SELF-ASSESSMENT REPORT ON THE QUALITY OF EDUCATION IN THE DOCTORAL SCHOOL

Szkoła Doktorska

Uniwersytet Ekonomiczny we Wrocławiu

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PART A

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VISITING CARD

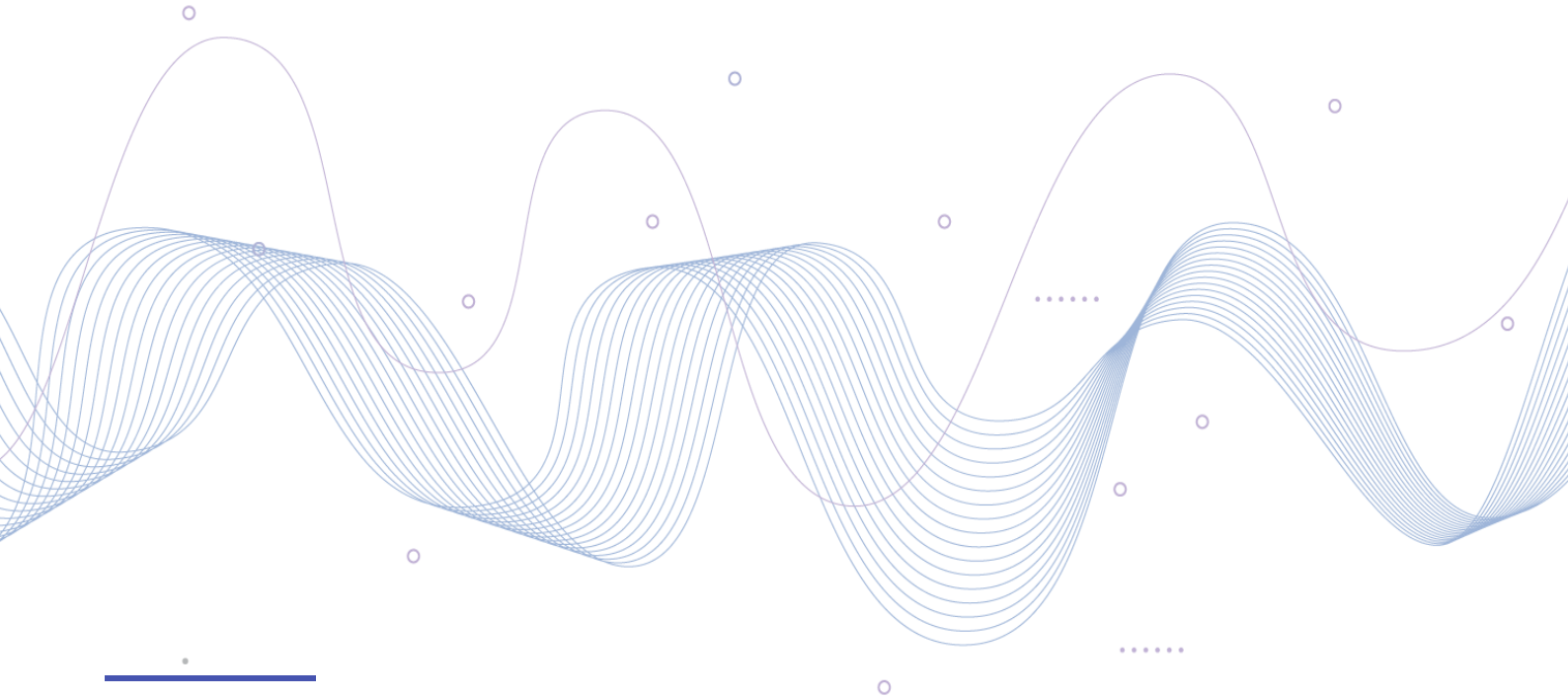
Basic Information about the Doctoral School

Year of Creation

2019

Institution running the doctoral school

Uniwersytet Ekonomiczny we Wrocławiu



Field of Education	Education Disciplines
Social sciences	economics and finance management and quality studies
Agricultural sciences	food and nutrition technology

Name/Scope of the Education Program (PL)	Name/Scope of the Education Program (EN)
Technologia żywności i żywienia	Food and Nutrition Technology
Nauki o zarządzaniu i jakości	Management and Quality Science
Ekonomia i finanse	Economics and Finance

Characteristics of the Doctoral School

The Doctoral School (DS) functioning is an integral part of the Wrocław University of Economics and Business (WUEB) mission and vision. WUE Mission: We create experts and business leaders by creating an environment for the development of knowledge, skills and competencies of the future: the university campus is a place for open debate and creating the future; the university is a community of people who change the world by creating science and new staff; we develop in harmony with the environment, creating a better world. WUEB vision: 'University of Business - a leader of change': a university that stands out in the region, conducting original research of international significance, a university that develops the competencies of the future in a modern way, a university that is a valued business partner as a source of talent, competence, and knowledge, a university that is an attractive working environment and a place for the development of the most talented and committed employees, a university based on the organisation and technologies of the future.
DS aims to provide doctoral students (students) with tools to develop their skills and broaden their knowledge, motivating them to work effectively as scientists. The educational programme combines theory with practice, maintaining the right balance between the two, preparing students for leadership roles in science, business and administration. It provides doctoral supervision, research funding support, access to modern research infrastructure and scientific mentoring, preparing students to obtain a doctoral degree, which is possible thanks to the implementation of the educational programme and the Individual Research Plan formulated during the 1st year of education. A very important element of the educational programme are elective subjects, which constitute an extended and diverse offer.
At the DS, the application-oriented nature of research work is seen as a value. Combining education with work for business, public or social organisations creates the opportunity to carry out research projects that are useful for practice. Therefore, the conditions of education at the SD will enable students to pursue various activities, not only in an academic environment. In addition, the SD has been participating in the Implementation Doctorate programme from the very beginning. It supports students at every stage of their careers. There is also possibility of employment at the WUEB during and after their studies.
DS carry out the education in 3 disciplines: Economics and Finance, Management and Quality Sciences, and Food and Nutrition Technology. The programmes are taught by proven academic staff, DS provide contact with researchers who are well-established in the scientific community. Students have access to a wide range of bibliographic databases and databases containing research data and tools for analysing quantitative and qualitative data. They also have access to the infrastructure offered by the Library, the Business Process Simulation Centre (access to the latest information technologies, including specialized software for designing, modeling and improving processes), Centre for Designing Innovative Solutions (DT HUB), which uses the DESIGN THINKING (DT) methodology to support the university in creating innovative concepts and implementing solutions. SD cooperates with many units of the WUEB, thanks to which our students become members of the academic community, which also gives them extensive development opportunities. These units include: The Research Support Centre, the Project Management Centre, the International Cooperation Centre, the Education Development Department, the Business Cooperation Centre, which offers extensive contact with the business environment, as well as the University Business Incubator inQUBE, which is a source of inspiration and acquisition of research data in cooperation with innovative entrepreneurs. Students are also involved in teaching and workshops as part of their preparation for academic work, they also benefit from high-quality organizational support (efficient administration to support them in their research and education).
SD organises the Doctoral Schools Forum providing a space for the exchange of knowledge and experience in the field of doctoral education, as well as a platform for debate that contributes to the dissemination of good practices in doctoral schools in our country. It takes place online (Teams platform) twice a year and greatly interests the participants (between 90 and almost 200 participants each time). The Forum's topics are broad and so far have covered aspects of the functioning of doctoral schools such as: recruitment; implementation of a doctorate; mid-term evaluation; functions and roles of the supervisor in the preparation of a doctoral dissertation (legal aspects and reflections resulting from practical work with student); reviewing doctoral dissertations; research methodology; application and role of artificial intelligence in science; scientific career and professional work of a student. The speakers are scientists and educators employed at the WUEB and guests from other academic centres, including Prof. Ewa Stańczyk-Hugiet (WUEB), Prof. Krzysztof Jajuga (WUEB), Prof. Patrycja Klimas (WUEB), Prof. Katarzyna Piwowar-Sulej (WUEB), Dr Bartłomiej Nita (WUEB), Aleksandra Marchewska, Anna Smurzyńska, Dr Iwona Świątek-Barylska (Prof. of the University of Lodz), Agnieszka Wojnarowska (Doctoral School of Social Sciences, University of Lodz), Prof. Zoltayné Paprika Zita (Corvinus University of Budapest), Dr Łukasz Sułkowski (Jagiellonian University in Krakow), Dr. Tadeusz Kowalski (Director of the Doctoral School at the University of Economics in Poznań), Prof. Marcin Szpyrka (Director of the Doctoral School at the AGH University of Science and Technology), Dr Jarosław Korpysa (prof. of the University of Szczecin, Director of the Doctoral School at the University of Szczecin).
SD organizes 4 times a year online International Doctoral Seminars, which are a place for discussion and exchange of research experiences, their aim is to present students' research, enable an exchange of views with recognized scientists, and support in writing dissertations. Speakers included Prof. Hildegunn Kyvik Nordås (Visiting Professor at Örebro University, Sweden), Prof. Mariano Moszoro (Berkeley University USA, Senior Economist at IMF), Prof. Krzysztof Jajuga (WUEB), Prof. Marcus Scholz (Technische Universität Dresden), Prof. Noemi Sinkovics (Newcastle University Business School).
STRENGTHS: Doctoral studies are part of the strategy of the WUEB, which ensures consistency of activities; students can combine education with their professional career; diverse range of courses; support at every stage of the research process; high-quality administrative services.

IDENTIFIED NEED FOR CHANGE: Increasing the recognition of DS WUEB, strengthening the internationalisation aspect.

Additional Information about the Doctoral School

Educating Staff

Numerical data for the evaluation period

Educating Staff	Instructors	Supervisors	Assistant Supervisors
Number of people	34	60	29

Doctoral Students

Number of doctoral students (total): 95

Recruitment during the evaluation period	2019/ 2020	2020/ 2021	2021/ 2022	2022/ 2023	2023/ 2024	2024/ 2025	Total
Number of recruited doctoral students	23	23	15	14	7	13	95
Number of doctoral students who completed the doctoral school	6	3	0	0	0	0	9
Number of doctoral students removed from the doctoral student list	13	8	5	3	0	0	29

Mid-term evaluation results	Positive	Negative
Number of Doctoral Students	56	3

Educational Programs	Number of Doctoral Students
Food and Nutrition Technology	4
Management and Quality Science	58
Economics and Finance	33

Additional Numerical Data on Doctoral Students

Number of foreign doctoral students	3
Number of doctoral students with disabilities	2
Number of doctoral students in the Implementation Doctorate program	20
Number of doctoral students in the EU program	0
Number of doctoral students employed by the institution running the doctoral school as academic teachers or research staff	9

Graduates

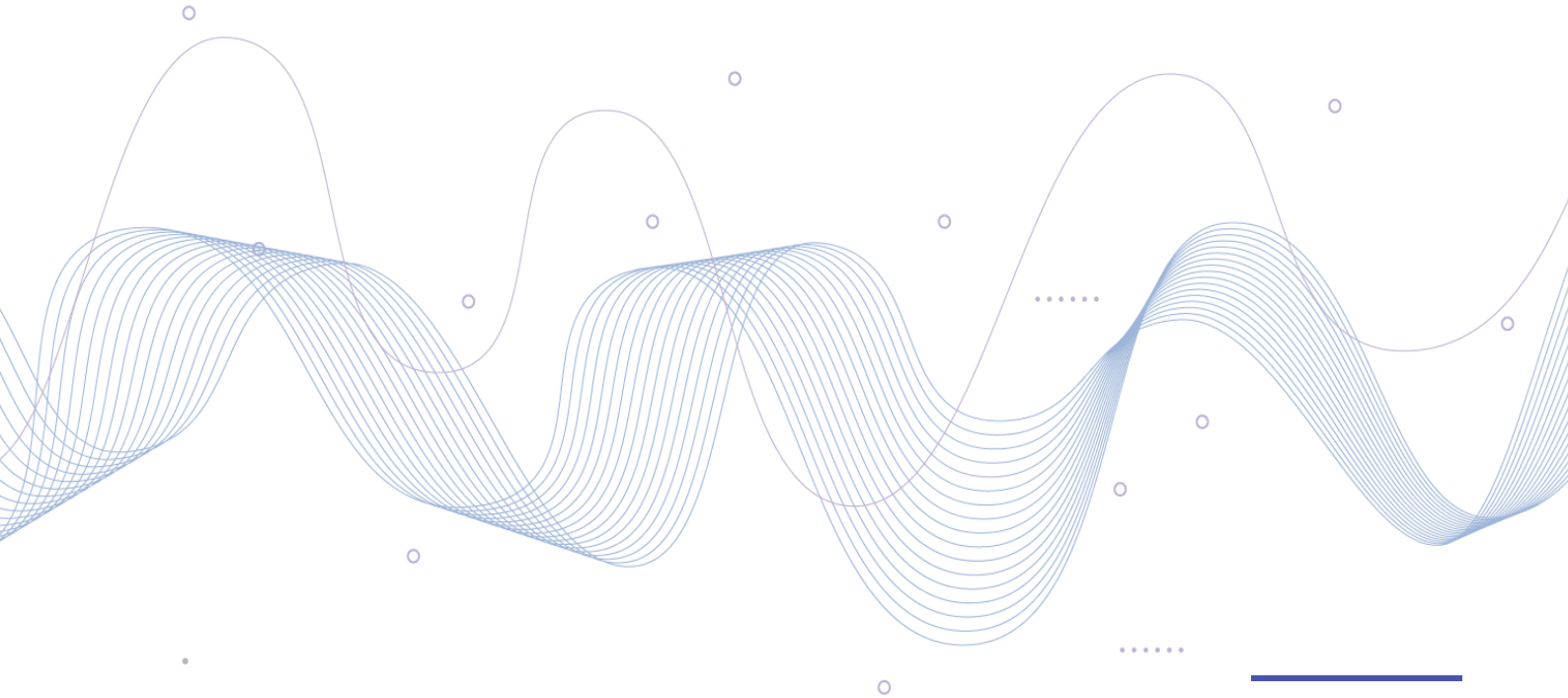
Numerical data for the evaluation period

Number of graduates who applied for initiation of proceedings for the award of a doctoral degree	8
Number of doctoral students who completed the doctoral school	3

INFORMATION ON THE ENTITY'S COOPERATION WITH THE DOCTORAL STUDENTS' COUNCIL

The cooperation with the Doctoral Students Government (DSG) at the Wrocław University of Economic and Business (WUEB) covers issues regulated by law and supports various activities of doctoral students (students).
The curriculum at the Doctoral School (DS) is approved by the Senate of WUEB after consultation with the DSG, the appointment of the Dean of the DS also DSG Representative as a member of the Council of the Doctoral School (CDS) participation in the formulation of the DS regulations.
Students have representatives in key bodies at the WUEB: the Faculty Councils, the Senate of WUEB, the Disciplinary Committee for Doctoral Students, the Disciplinary Appeals Committee for Doctoral Students, the Library Council, the CDS, the Rector's Committee for Good Academic Practice at the WUEB, the Senate Committee for Scientific Staff and Science, the Rector's Committee for International Cooperation, and the Committee for the Competition of the Lower Silesian Chapter of the 'Young Talents' Jury.
Financial support for the DSG: its own budget (the budget set for 2025 and the transfer of the surplus from 2024), support for DSG initiatives (e.g. the organization of conferences), Funds of Departments, the Faculty Dean's Reserves.
The DS supports DSG with onboarding, regular information meetings (before the Midterm Assessment, on the completion of studies and the defense, on rights and obligations), information about conferences, and research funding, and provides a comprehensive website. Students receive support for research, teaching, and organizational activities from WUEB, with administrative support from the DS Office.
STRENGTHS: Broad student representation, influence on regulations, access to infrastructure and financial support, active DS Office support.
NEEDS FOR CHANGE: Appointment of a Doctoral Student Spokesman, development of a 'Declaration of Cooperation with Supervisors', students' activity.

INFORMATION ON THE DOCTORAL SCHOOL GROUPED BY 8 EVALUATION CRITERIA



1. Adequacy of the education program and individual research plans to the learning outcomes for qualifications at PRK level 8 and their implementation

Education at the Doctoral School (DS) is based on the Curriculum and Individual Research Plan (IRP). Regulations applicable to this area are also included in the Regulations for the DS and in the Teaching Quality Assurance System at the DS (QAS). Respective regulations are complementary and conditional upon each other.
As stated in the curriculum, the principal objective of educating at the DS is to enable doctoral students to write and submit doctoral dissertations and prepare them to obtain a doctoral degree on this basis. The main objectives of educating at the DS include: preparing to research, research and development, and teaching; gaining the ability to use global scientific achievements, identify and solve research problems, plan and conduct research, and compile research results in patents, publications or presentations; attaining high research competence and scientific self-reliance; preparing doctoral students to plan their scientific development on their own and take on challenges in the professional and public spheres, taking account of ethical considerations and responsibility; preparing to participate in the exchange of scientific experience and ideas, also in the international environment.
Learning outcomes established in the Curriculum are adequate for qualifications at level 8 of the PQF. A table presents six outcomes in the knowledge category, seven in the skills category and six in the social competence category. All components of respective descriptors for outcomes have been considered and the description of respective outcomes takes account of the specificity of given disciplines.
The Curriculum is modular, including courses that are mandatory for all doctoral students (13 ECTS pts.); mandatory courses in a given discipline (8 ECTS pts. each); elective courses, developing professional skills (related to metodyka – standardized approach making use of a set of methods; general rules of operation – and specialist ones) (8 ECTS pts.); internship (16 ECTS pts.); seminars and active forms of disseminating research results, including an open doctoral session (8 ECTS pts.). Some courses are provided and passed in English. The modular system is complemented with a wide range of optional classes, conducted in Polish or English, provided by the DS (including International Doctoral Seminars) and by the WUEB, and as part of interinstitutional cooperation.
The structure of the IRP shall reflect the process of developing and establishing competences at level 8 of the PQF. The IRP shall contain, inter alia, a schedule for preparing a doctoral dissertation, description of a research problem, objectives of the dissertation, research questions, description of metodyka of research, bibliography and structure of the doctoral dissertation as well as the description of other activities, including publications and scientific conferences, acquiring NCN, NCBR and other grants, and organizational issues and teaching. The achievement of learning outcomes in the DS is presented in the KRK system, where the outcomes related to a given field are linked to the outcomes related to a given programme. For each course a check matrix is created, to verify whether the planned topics of classes and topics of the doctoral student's own work make it possible to achieve all planned learning outcomes.
The DS uniquely combines three disciplines, two in social sciences and one in agricultural science. The Curriculum comprises courses for doctoral students from all disciplines, creating the learning conditions oriented towards interdisciplinarity. Doctoral students can participate in interdisciplinary research projects. A doctoral committee can be appointed to provide support for interdisciplinary doctoral dissertations.
Education at the DS is subject to internal evaluation and modification. Within the QAS, the system entities and their roles and tasks have been determined. The tasks of the Council of the DS include modifying curricula and giving opinions on the offer of elective courses, provided such modifications have been approved by the Self-Government of Doctoral Students and the relevant Faculty Councils. The proposed modifications take account of lecturers' opinions and doctoral students' remarks. The DS Office's tasks include preparing reports on the quality of education. The Curriculum is assessed by doctoral students in an anonymous survey (USOS). The supervision over the quality of education at the WUEB is exercised by the Rector's Representative for Teaching Quality Assurance. Being a member of the EDAMBA, the DS develops the Curriculum, taking into account the EDAMBA EIASM Code guidelines.
STRENGTHS: internal quality assurance system, co-creating the conditions of education, unique combination of disciplines from different fields of science.
IDENTIFIED NEEDS FOR CHANGES: complementing the teaching quality evaluation with the observation of classes conducted at the DS (in course of being implemented).

2. Method of verifying learning outcomes for qualifications at PRK level 8

The verification of learning outcomes at the Doctoral School (DS) is documented by: records of passing mandatory and elective courses; minutes of presentations given during the Open Doctoral Sessions, reports on doctoral students' achievements in a given academic year supported by the relevant documents; internship records; surveys and reports on the observed classes conducted by doctoral students; surveys on the classes conducted at the DS. The verification of learning outcomes is also based on the assessment of completing the Individual Research Plan, including the schedule for preparing a doctoral dissertation, conducted by the evaluation commission as midterm assessment. The final stage is the defence of the dissertation before the doctoral commission, being a form of assessing the achievement of the learning outcomes planned for level 8 of the PQF (the process is not subject to assessment as part of this evaluation).

Learning outcomes are monitored on an ongoing basis by lecturers, which allows to achieve the best results in this field. They are finally verified at the end of the cycle of classes in a given course and the grades obtained as a result of such verification are entered to the USOS. The verification process is being systematized using the Sylabus KRK system. In syllabuses lecturers determine the forms of verifying knowledge, skills and social competences used to assess whether or not a doctoral student has achieved the outcomes planned for the course. Each outcome defined for a given course is subject to verification. The lecturers may indicate several methods of verifying the achievement of a given outcome. The percentage share of the given method of verifying outcomes in the final grade for the course is presented in the summary part of the verification table, with one final grade for the course.

When the cycle of classes for each course included in the Curriculum ends, the learning outcomes are verified during exams, passes or graded passes. The form of passing the course is specified in the schedule of implementing the Curriculum. Lecturers inform doctoral students about the method of conducting an exam or obtaining a pass before the cycle of classes starts. Exams and passes may be in the form of written or oral tests of knowledge and skills. Classes may also be passed on the basis of final papers on specified topics (projects, essays, multimedia projects or presentations). The conditions and mode of conducting classes, which includes passing courses and sitting exams, are determined in syllabuses. The grading scale, compliant with ECTS, is presented with its numeric and letter equivalents in a table. It is clear which grades are positive and the rules for a resit are set out if a fail grade is obtained at the first attempt.

The analysis of syllabuses in the Sylabus KRK system shows that apart from traditional forms of obtaining a pass, e.g. written tests, the level of achieving learning outcomes is often assessed on the basis of completing projects. Examples of such projects include: 1) Preparing a report on the conducted literature review focusing on research topics concerned, 2) Describing a selected research problem from the perspective of contemporary paradigms of management and quality science, 3) Preparing a draft scientific paper, 4) Data collection and analysis in qualitative research, 5) Formulating hypotheses in the research process, verifying them comprehensively and describing possibilities of using hypothesis verification in the conducted research, 6) Plan for an own experiment in economic research, 7) Planning an own research project, making a Gantt chart and cost estimate of the project, and preparing a research proposal, e.g. Preludium in the OPI system, 8) Analysis of cases of misconduct in research, 9) Presenting the created prototypes and collecting feedback from users, as part of the Design Thinking Workshop, 10) Drawing up an academic development plan, 11) Drawing up a draft scenario for classes. The listed examples demonstrate the multi-faceted verification of doctoral students' learning outcomes, adapted to level 8 of the PQF.

According to the Regulations for the DS, the supervisor's tasks include, inter alia, academic guidance on preparing a doctoral dissertation and the assessment of a doctoral student's scientific progress. The assessment of the doctoral dissertation as part of the doctoral seminar is an important element in the system for verifying learning outcomes. The assessment of preparations and the level of the doctoral dissertation is the main way of verifying the learning outcomes during the doctoral seminar. The respective elements of structuring the dissertation, subject to ongoing monitoring, also play an important role. Every semester, the supervisor makes a formal assessment of the doctoral dissertation by entering a pass to the USOS.

The assessment of doctoral students' presentations during the annual open doctoral session is also one of the elements of verifying the learning outcomes. Such presentations include describing metodyka (standardized approach making use of a set of methods; general rules of operation) of research and the results of literature and empirical research as well as other additional achievements. The sessions are attended by the doctoral students and their supervisors as well as other academic staff representatives, who take part in discussions, thus providing feedback for the doctoral students. A selected Professor specializing in the topics concerned makes the assessment of a given session. During the session minutes are taken. A pass is entered into the USOS. The process of assessing the doctoral students' presentations during the open sessions is supervised by the Dean of the DS.

At the end of each academic year, doctoral students submit to the DS Office the record listing their achievements. It documents the stages of their work on the IRP, scientific publications, participation in conferences and other scientific activities. The doctoral students have to do their internship for a specified number of hours, which is proved by submitting their internship record confirmed by the person responsible for conducting classes. The classes conducted by the doctoral students are subject to assessment by students. Surveys are completed anonymously in the USOS. The results of the surveys are analysed in accordance with the rules adopted at the University. The classes conducted by the doctoral students are subject to observation, which is important for their evaluation and development. The doctoral students become familiar with the assessment and proposed improvements in their teaching activities. The process is carried out by the following entities: the Centre for Teaching Quality and the Rector's Representative for Teaching Quality Assurance in cooperation with the Rector's Committee for Teaching Quality Assurance.

The learning outcomes of the doctoral students whose education is provided under the "Industrial Doctorate" programme are also monitored. After a given academic year, they draw up an annual report on their achievements. All reports, after being confirmed by the supervisor and assistant supervisor, are submitted to the Ministry of Science and Higher Education. The reports are accompanied by the supervisor's and assistant supervisor's opinions on the progress made in preparing the doctorate.

The rules of verifying the learning outcomes at the DS are contained mainly in the Regulations for the DS and in the Curriculum, which are available to the public. The detailed rules of verifying the learning outcomes for a given course are set out in the syllabuses in the Sylabus KRK system. The system is accessible online: https://ue.e-sylabus.pl. It is not required to log in to gain access to syllabuses. Lecturers conducting classes at the DS enter grades for courses to the USOS, within the time limits predefined at the University. Having logged in to the USOS, doctoral students can see their grades and in case of doubts they can appeal first to the relevant lecturer and then to the Dean of the DS.
Doctoral students contribute to the way the system for verifying learning outcomes operates at the DS by, inter alia, having their representative in the DS Council, co-creating and evaluating regulations that govern this area, and assessing classes and doctoral seminars. The doctoral students make their assessment anonymously in the USOS. The extent to which the criteria for passing classes are observed forms one of the elements of assessment of lecturers and supervisors. A 1-5 scoring scale is used. The results of the surveys are analysed and an annual report is drawn up as part of the Teaching Quality Assurance System at the DS of the WUEB (QAS). The analysis covers scorings and answers given by the doctoral students to open questions. The results of the surveys and grades obtained by the doctoral students for respective courses are taken into consideration when decisions are made on improvements in the process of verifying learning outcomes.
Newly admitted doctoral students become acquainted with the rules of verifying learning outcomes during their onboarding meetings. The Rector's Representative for Teaching Quality Assurance co-chairs such meetings.

STRENGTHS: Verification is based on formal procedures, which is conducive to objectivity, credibility, substantive approach and avoidance of unequal treatment of doctoral students; Doctoral students can assess classes, including the ways of verifying learning outcomes; Conducted processes are subject to assessment as part of the internal quality assurance system.
IDENTIFIED NEEDS FOR CHANGES: in cooperation with the Self-Government of Doctoral Students we are working on the appointment of the Ombudsperson for Doctoral Students, who would provide assistance when appealing against a grade for a course to the relevant lecturer and the Dean does not provide a satisfactory resolution.

3. Qualifications of academic teachers or research staff conducting education at the doctoral school

The Doctoral School (DS) ensures high-quality education with qualified staff meeting legal requirements, including Wrocław University of Economics and Business (WUEB) academics and experts from other research centers who meet the conditions specified in the Law on Higher Education and Science.
The hiring of teaching staff is carried out in accordance with an appropriate staffing policy regulated by precisely defined employment conditions at WUEB which has been awarded the HR Excellence in Research award. The OTM-R policy (Transparent and Merit-based Recruitment of Researchers) has been implemented here. Teaching staff is proposed by the Dean and reviewed by the Council of DS (which consists of the chairmen of Discipline Scientific Councils) and discussed every year when approving the curriculum and the list of electives based on applications recommended by the Deans of the Faculties, the adequacy of scientific achievements and scientific activity to the curriculum and the profile of the disciplines in which education in the DS, as well as broadly understood competences.
In total, as of October 2019, 110 persons were teaching at the DS (9 employed at other academic centres), including 17 with the title of professor and 55 employed as WUEB professor, including 3 honoured with the title of doctor honoris causa of other Universities (1 twice), and 1 professor from outside WUEB awarded the title of doctor honoris causa of WUEB.
As part of the development of the competencies of the DS staff, annual meetings of supervisors and candidate supervisors with experienced DS supervisors are organised under the patronage of the Vice-Rector for Research. Some DS supervisors have publications on the methodology of the cooperation between supervisor and student.
The Dean resolves any disputes and problems between the supervisor and the doctoral candidate. An example of this is an appeal against a negative evaluation from the Midterm Assessment Committee. After the doctoral candidate submitted an appeal, the Dean granted his request and also spoke with the supervisor about the problems that led to the situation.
DS prepares a Report on the Quality Assurance of Education once a year.
The report includes the results of an anonymous survey in which doctoral students (students) evaluate the supervision and the quality of the teaching staff (e.g. the quality of cooperation, knowledge, skills, preparation for classes, compliance with the criteria for passing). Based on this, the Dean gives recommendations and intervenes in cases of low evaluations (interview with the lecturer, in flagrant cases, a change made in consultation with the Council of DS).
The qualifications of the scientific staff at DS are confirmed by their scientific activity, publications, and participation in numerous projects and conferences. WUEB recommends that its employees publish the required number of scientific articles in prestigious publishing houses that rank high on the ministerial list of journals and publishing houses. The incentive system is geared towards promoting publication in scientific journals with the highest standards (IF, quartile Q1, AJG list).
At the WUEB, a four-year periodic employee evaluation system is in place, focusing on scientific activity and educational activities.
The incentive system in force at the WUEB is aimed at promoting publication in scientific journals of the highest standards (IF, quartiles Q1 and Q2, AJG list), also the system of periodic employee evaluation is in place, focusing on scientific activity and taking into account the importance of involvement in the education of students. Research and research-teaching staff are evaluated once every 4 years in terms of scientific achievements, didactics and organisational activity. Motivation for scientific and didactic development is supported by the Rector's Awards, which are granted, among other things, for scientific achievements and contributions to the education of students.
In the years 2013-2024 (the library started collecting data in 2013), the academic teachers of the WUEB who participated in the education process at the DS published a total of 2526 scientific articles, 526 of which were published in journals indexed in the Journal Citation Reports. The total IF of all publications indexed in the JCR was 1609.407. During this period, they published 2219 articles in journals from ministerial lists, 302 articles from outside the lists, 328 scientific monographs (authored, edited), and 768 chapters in monographs. They are also members of international scientific societies, institutions, and organizations, they undertake internships at foreign and domestic academic centres and scientific institutions, and they cooperate with many domestic and foreign universities and scientific institutions.
The research and teaching potential of the staff providing education and supervision is increased thanks to the training organized at the WUEB in the fields of research competencies, tutoring, mentoring, and neuro didactics, among others (as of January 2023, the Employee Development Department has organized 450 training courses). One example is the programme 'Creating Scientific Excellence at the University of Economics in Wrocław', developed in 2018 (workshops, training courses and scientific consultations with authorities in a given discipline, allowing the development of scientific skills, obtaining funds for research and building career paths). Thanks to funding from the 'Regional Initiative of Excellence' programme of the Ministry of Science and Higher Education for the years 2019-2022, the 'INTEREKON Research Excellence Programme' was implemented with a value of EUR 2,582,193 within three groups: grants for Young Researchers, Mini Grants and Inter Team.
The current project is: 'INNOLAB 2.0 Laboratory of Innovative Teaching Competences - programme for improving the competencies of teaching staff and students at the WUEB', co-financed by the European Union under the European Social Fund 2021-2027 (ESF). The project implements a programme for improving the competences of WUEB employees and doctoral students, increasing their didactic competences and the effectiveness of student education.
The qualifications of DS's teaching staff are constantly being improved as part of activities undertaken at WUEB and individual initiatives of the teachers themselves - undergoing training and internships abroad aimed at self-improvement. Since 2019, the DS has been a member of EDAMBA, the European Doctoral Programmes Association in Management and Business Administration, which offers numerous seminars, training courses and workshops.
STRENGTHS: High quality of teaching staff, HR Excellence in Research award, evaluation and improvement mechanisms, a strong base of scientific publications, EDAMBA membership, support for innovative teaching methods.
IDENTIFIED NEEDS FOR CHANGE: Increasing the number of lecturers and supervisors from foreign academic centers.

4. Quality of the recruitment process

The recruitment rules are established in cooperation with the Council of the Doctoral School and are also reviewed by it. Their aim is to create rules that allow for the selection of highly motivated candidates who are well-prepared for education at the Doctoral School (DS) and who are able to prepare an appropriate draft of the Individual Research Plan (IRP) in cooperation with their future supervisor.
Recruitment is always carried out on the basis of a resolution of the Senate; the date of its adoption determines the date of the opening of the recruitment system 5 months later. The contact between the Recruitment Commission of the DS (RC) secretary and the candidate takes place via the electronic registration system IRK, where copies of all documents provided by the candidates and information on the individual stages of the recruitment process (candidate status, information on important deadlines, scores awarded at individual stages) can be found. The recruitment process conditions are public.
The Dean sets the recruitment schedule, which is announced at least 30 days before the start of the recruitment process on the university and the DS website.
Information about the recruitment rules can be found on the DS website; due to the migration to a new website in 2024, they have been posted on both the old and the new ones. The recruitment process has been clearly divided into individual steps, which makes it easier to follow. A few months before the recruitment system opens, an online meeting with candidates is organized, with the SD offer and recruitment rules are presented. Since participation in the recruitment process requires thorough preparation, participants usually join the process not in the year in which the meeting is organized but in the following year. Information about the opening of applications and other recruitment-related activities is posted on the university's homepage and social media, in addition to the DS website.
DS also organises free online training for candidates, which better prepares them to develop an IRP project.
The website of the DS provides an up-to-date list of supervisors, including information about their academic specialisation and the proposed topics/themes of the doctoral theses, as well as links to a list of publications and websites with information about their research.
The Rector appoints RC, which consists of 2 representatives from each scientific discipline, the Dean as the chairman and a secretary without the right to vote (an employee of the DS Office).
The recruitment schedule takes into account the participation of person who want to start their education under the Industrial Doctorate programme. They submit in advance (by the deadline required by the Ministry's schedule) a set of documents required to participate in the project, and their proposed research project (not an IRP) is evaluated by the members of the RC, who also evaluate the candidates' IRP for a given discipline later on. If the RC accepts the project, it is submitted to the Ministry (the application procedures are handled by the Project Management Centre, DS Office is responsible for contact with the candidate), and the candidate continues to participate in the regular recruitment to DS in accordance with the recruitment schedule. They are accepted if the Ministry approves their project and if they fulfill the requirements for admission to a doctoral program.
The transparent and multi-stage admission process ensures that motivated candidates who want to actively participate in their doctoral programme are selected and that candidates can easily keep track of the admission process.
The recruitment process consists of 4 stages.
The 1st stage of recruitment for the SD is the evaluation of the IRP project submitted by the candidate. The following criteria are taken into account when evaluating this project: research objective and innovativeness, originality, methods appropriate for the achievement of the objective, consistency of argumentation, clarity of reasoning, description of the current state of research together with bibliography relevant to the achievement of the research objective.
In the 2nd stage, the RC awards points for the result of completing a long-cycle or second-cycle degree obtained on the diploma.
In the 3rd stage, the RC considers the points for evaluating scientific publications and evaluating the scientific, social, and organizational activity of the last 5 years.
The 4th stage of the recruitment process is the interview. A candidate who obtains a minimum of 40 out of 70 possible points in the previous stages is admitted to the interview. The following are taken into account in the evaluation of the interview: competence for conducting scientific work, the ability to communicate and express oneself on a given subject, the ability to formulate thoughts logically, including the candidate's methodological preparation relevant to conducting research in the discipline; the candidate's motivation to undertake education in DS; the candidate's knowledge of the discipline in which they intend to prepare a doctoral dissertation, knowledge of literature, knowledge of national and international research environments and centres, correct use of scientific categories and the ability to argue within the scientific discipline related to the candidate's chosen subject, as well as the ability to distinguish between research methodology and research methods.
The recruitment rules are published in the Public Information Bulletin (BIP) (resolution on the university's website) and on the DS website at least 5 months before it starts, i.e. before the opening of the IRK recruitment system.
The results of the recruitment are public - the list of admitted persons is published on the DS website in the ‘News’ tab.
The admission limit for the academic year is set by the Rector after consulting the Dean.
The DS office is fully prepared to serve people with disabilities (PWD) - the building where the recruitment is conducted has appropriate facilities; it is also possible to use additional technical devices with the help of a PWD assistant or a sign language interpreter.
The recruitment process is partly remote (submission of documents and notification of the score), and the final interview takes place at the university in a building that is fully accessible. If necessary, the interview can also be conducted online.
STRENGTHS: Transparency and openness, multi-stage selection, comprehensive support for applicants, availability of information, and equal opportunities.
IDENTIFIED NEED FOR CHANGE: For the 2025/2026 academic year, the scoring system for recruitment has been changed to give greater weight to the IRP project, which forms the basis of information about the research planned by the doctoral candidate. Further changes are aimed at recruiting candidates from abroad.

5. Quality of scientific or artistic supervision and support for conducting scientific activities

Academic supervision is provided by a supervisor (S) or supervisors, or by a S and an assistant supervisor (AS). After consulting the Council of the Doctoral School, the Dean presents their list on the DS website. The S can be employee of the Wrocław University of Economic and Business (WUEB) who: holds a PhD or professorship, has declared in a submitted statement that at least 75% of their research time is spent in the scientific discipline in which education is provided and a dissertation is prepared or in a related discipline, has supervised at least 1 doctoral student (student) or is the author/co-author of at least 2 publications from the last 2 calendar years preceding the year of recruitment with a specified point value in the field of the discipline in which education is provided at DS. Each publication must meet the criteria set out in Article 265(9)(2) of the Higher Education Act (to determine the point value of the achievement, the scoring given in the list of foreign journals and conferences current in the year of publication shall be applied). S may also be a person who doesn't meet these criteria after obtaining a positive opinion from the Council of the DS, in which case a second S who meets the specified conditions is appointed.
A S may simultaneously supervise a maximum of 4 students, no more than 2 in 1 edition, to ensure the quality of supervision.
A AS may be a person holding a PhD degree in a given or related discipline and experience in scientific work and not having the right to act independently as a S in the procedure for awarding a PhD degree, who assists in agreement with the S. The AS can help a maximum of 2 students at a time.
Future student and the future S start cooperating with the creation of an Individual Research Plan (IRP) prior to enrolment. The Dean appoints the final S at the student's request (with the candidate's opinion for S), no later than 3 months from the start of education at the DS. A candidate from outside the WUEB provides information about their scientific activity. The AS is appointed by the Dean at the request of the S (with the consent of the S). If the student doesn't submit an application on time, the Dean appoints the S.
Upon a justified request of the S or the student or on their own initiative, the Dean may change the S. Upon a justified request of the S (supervisors) or the AS or the student, the Dean may change the AS or dismiss the AS without appointing a successor. The Dean also mediates in resolving conflict situations between the S and the student. In the event of an unsatisfactory resolution of the matter, the student has the right to appeal to the Rector.
At the S's or student's written request, the Dean may appoint a doctoral committee to the student, whose task is to evaluate the student's progress within the IRP and provide additional substantive support for the education process, especially when the work is interdisciplinary or cross-disciplinary. This committee consists of the S, AS, and 2 members with at least a postdoctoral degree, at least one of whom may represent a scientific discipline other than the one in which the dissertation is being prepared. This committee submits an opinion on the implementation of the IRP to the Dean. In the Industrial Doctorate programme, the student is supported by a professional assistant (who ensures that the work remains implementation-oriented and provides support in terms of expertise and experience).

Students assess supervision quality each semester through an anonymous survey, covering cooperation, availability, and suport, the materials prepared by the lecturer, the level of subject matter of the classes, the extent to which the lecturer adheres to the criteria for passing the classes.
Support to students provides also: the extensive scientific database of the WUEB, in addition to consultations with scientists from many fields and members of the Scientific Discipline Councils, they can use the resources of the Library, laboratories and the opportunities offered by the Business Process Stimulation Centre (integrated AV signal management systems and Virtual Reality - VR technology), the Centre for Innovative Solutions Design – DT HUB (DESIGN THINKING methodology), they can take place at cathedral, inter-cathedral, and even inter-university seminars (e.g., a scientific seminar of the Department of Business Economics and Organisation in cooperation with the Wrocław University of Science and Technology).
The Research Service Centre and the Project Management Centre provide training and mentoring to develop scientific competences, inform about the possibilities of obtaining scholarships and other sources of funding or publications, and offer comprehensive support in obtaining funds from national and international competitions, in the management of ongoing projects (support for financial services and administrative management), including those funded by the National Science Centre (Narodowe Centrum Nauki), training is also offered by the Employee Development Department, which offers training (450 courses as of January 2023).
Scientific development is stimulated by contacts with other students, including an annual open doctoral session where all students, supervisors and mentors within the discipline, as well as other WUEB research and teaching staff, meet. Each student presents their achievements and comments and suggestions regarding their research are provided during the discussion.
The International Doctoral Seminars, organized online by DS four times a year, provide an opportunity for such contacts. They are open to participants from all over the world and are held in English. Each meeting opens with a lecture by an experienced keynote speaker on topics related to the practical aspects of conducting research, publishing, etc.
Students can also take part in numerous activities offered by the Business Cooperation Centre (not only support in the learning process and writing a doctoral dissertation but also facilitate entry into the job market or further education). They are kept up to date on conferences and publication opportunities (emails, MS TEAMS team).
Students with special needs (including disability) can receive support from the Disability Support Service (right to technical support, disability assistant, sign language interpreter, adapted teaching materials and facilitated access to classes and exams). DS buildings are adapted to their needs (lifts, ramps, suitable sanitary facilities, signage for the visually impaired and blind).
STRENGTHS: academic support, administrative support structure, anonymous evaluation, support for disabled persons.
IDENTIFIED NEEDS FOR CHANGE: enabling students to network better, and increasing cooperation with researchers from other academic centers, including abroad.

6. Integrity of the mid-term evaluation process

A Midterm Assessment (MA) is carried out halfway through the education to check and evaluate the implementation of the Individual Research Plan (IRP), which includes a description of the research problem, its justification, hypotheses or research questions, proposed research methods, the contribution of the expected results to the development of science, the schedule for the preparation of the doctoral dissertation, planned scientific and research and organizational and scientific activities, bibliography, the state of research on the analysed issue (at the time of submitting the Individual Research Plan).
The Dean asks the Chairmen of the Discipline Scientific Councils in which education is provided at the Doctoral School (DS) to appoint the members of the Midterm Assessment Committee (MAC); each consists of 3 persons, including at least 1 with a degree of dr. hab. or the title of prof. in the discipline in which the doctoral dissertation is being prepared, who is employed outside the entity running the DS. The members of the MAC cannot be the supervisor and assistant supervisor, nor can they be persons conducting education at the DS or participating in the recruitment process, what ensures the impartiality of the MAC.
After receiving a proposals, the Dean appoints MACs (separate for each discipline), of which he informs in the Dean's Circular Letter providing also detailed information on the MA – procedure for the MA with the annexes, templates of: an application to the Dean for an MA, Report on the Implementing of the Individual Research Plan, the Doctoral Student's Record of Achievements in the 2nd year of education.
The Dean's Circular Letters are sent to students by e-mail and also posted on the DS website. After the MAC's appointment and the letters' publication, a mandatory information online meeting for students is organised with the Dean and the DS Office; the course, purpose and effects of the MA are discussed in detail, and questions from students are answered. The meeting aims to prepare students as well as possible and emphasise the importance of the MA for their education process. It takes place at least 5 months before the deadline for submitting documents by students, and the remote form ensures the presence of all students.
Participation in the open doctoral session is the first step in preparing students for the MA. Presentations during this session in the 2nd year are prepared in their entirety by students in a manner that meets the requirements of the MA.
In June, a online meeting is also held between the Dean, the DS Office, and the members of the appointed MAC. The purpose of the meeting is to ensure that all Committee members are familiar with the rules for conducting the OC and to discuss technical issues related to its meetings.
No later than 30 days before the scheduled committee meeting, students submit the required documents to the DS Office. The documents are uploaded to the OneDrive platform and made available to MAC (the files are deleted after the MA is completed). This platform also contains for the Doctoral Student's Record of Achievements from the 1st year of education, individual reports and MAC reviews, which are prepared by the DS Office. MAC reviews the documentation submitted by the students before meeting with them. This meeting takes place in September (halfway through the education period). The evaluation is based on the completion of program-related classes in the DS, the documentation presented by the student and the report from the IRP, presented by the student at the meeting with the MAC, and presentation, and interview with the student. The assessment of the progress in the implementation of the IRP is subject to the degree of advancement of the dissertation, the correctness of the adopted goal, the adopted methodology, and compliance with the schedule contained in the IRP (including the acceptance of discrepancies in relation to the assumptions arising during the implementation of the work). The result of the MA is determined by the MAC in the confidential part of the meeting.
The MA ends with a positive or negative result, which requires justification. The result with the justification is public, the index numbers of the students with the MA result are published on the DS website. The MAC also prepares an individual protocol - one copy is intended for the student, and they are also available for inspection at the DS Office.
A negative MA result means that the student is expelled. They have the right to appeal against the expulsion decision in accordance with the expulsion procedures, and they have the right to request a reconsideration of the case. Only one student submitted such a request – the negative decision of the MAC was based on the documentation prepared by him, but it was not prepared reliably. After obtaining the Dean's consent to resubmit the correctly prepared documentation, MAC reconsidered it, and the result of the MA was positive.
The MA process is an opportunity for a student to obtain very detailed feedback on their research. It is valuable because it is completely impartial and obtained from experienced specialists in the discipline in question. As part of the Doctoral School Forum organised by the DS on 08.12.2021, the elements of the MA were discussed, as seen and evaluated by the MAC. Reflections on this topic were presented by the Chair of the MAC, Prof. Marzena Stor, who also led a discussion on, among other things, the issues of timeliness and organisation of student work and supervisor supervision. It is clear that, apart from the evaluation purpose, the MA has a very important recommendation and development purpose achieved thanks to detailed MAC protocols and a motivational purpose - the need to prepare a report is related to the necessity to organise the conducted research and assess one's own abilities.
In the years 2021-2024 In the discipline of Economics and Finance, the number of students evaluated so far was respectively: 7 in 2021, 8 in 2022, 2 in 2023 and 3 in 2024. None of them received a negative result.
In Management and Quality Sciences, 13 students took the MA in 2021, of which 2 received a negative result. In 2022, 11 persons were evaluated, with 1 not taking the evaluation. In 2023 and 2024, the number of students was 8 and 7, respectively, and all of them successfully completed the evaluation.
STRENGTHS: clear procedures, guidelines and schedules available to students, feedback for participants, small number of negative evaluations.
IDENTIFIED NEEDS FOR CHANGE: involvement of a student observer in MAC (proposal pending confirmation), improvement of their timeliness in submitting documents.

7. Internationalization

Internationalization is one of the University's Strategy 2030 priorities, which also applies to the Doctoral School (DS).
Both doctoral students (students) and employees cooperate with the International Relations Office, which actively supports them in developing internationalization skills. Thanks to this cooperation, students have the opportunity to gain experience abroad and participate in academic exchange programmes, e.g., the Erasmus+: 10 students have travelled to Spain, the USA, Germany, Japan, Belgium, Italy, the Czech Republic, Indonesia, and France a total of 18 times. They can also take advantage of free language courses and a license for the Grammarly Premium platform.
Doctoral theses in SD deal with aspects of internationalization, e.g.: 'Industrial policy for the emergence and development of the hydrogen fuel cell vehicle market in the US state of California from the perspective of sustainable development economics', 'Local tax management in selected municipalities in the south-western cross-border belt (Poland, Germany, Czech Republic, Slovakia)', 'The social responsibility of European banks and their value', 'Organisational conditions for the effectiveness of investigative auditing in banking in Germany', 'Brand image creation through educational activities. Good practices and a model of communication of the zoo brand image', 'Digital platforms and changes in the economic structure in Indonesia in the 21st century', 'The impact of gender egalitarianism on the development of the service sector in selected European Union countries from the perspective of sustainable development economics'.
Students also conduct international research. Paweł Brusiło received a Fulbright-Schuman Award 2022/2023 scholarship and, as part of this prestigious programme co-financed by the US Department of State and the European Commission, he completed a research internship at the University of California in San Diego (he was one of 11 students from across the European Union to be awarded this grant). Students also take part in research internships as part of the PROM Programme: Iwona Zaręba (Juraj Dobrila University in Pula, Croatia), Wiktor Walczak (University of Economics in Bratislava, Slovakia), Jadwiga Machnik (University of Turin, Italy).
To improve the competencies of the students, some subjects at the SD are taught in English: Research Problems in Economics and Finance, Research Problems in Management and Quality Sciences, Research Ethics, and Quality Studies. Selected Issues, Data Analysis Using the R Environment, Case Study Research Workshop, Advanced International Business and Economics, Industry 4.0, and elective subjects are offered in Polish and English.
The SD teaching staff cooperates with many foreign scientific institutions, including The University of Scranton (USA), University of Foggia (Italy), Sichuan University (China), King Fahd University (Saudi Arabia), Aalborg University (Denmark), University of Applied Sciences Emden/Leer (Germany) and The University of Melbourne (Australia).
The academic achievements of SD's professors are characterized by a high degree of internationalization, as evidenced by publications in the prestigious scientific journals and monographs published by globally recognized publishers. Between 2013 and 2024 (the University Library has statistics from 213 onwards), they published a total of more than 2,500 articles, of which 526 are indexed in the Journal Citation Reports (JCR); the number of 145 articles in the first quartile (Q1) and over 120 in the second quartile (Q2). The total Impact Factor for articles registered in the JCR exceeded 1600, which demonstrates the growing recognition and importance in the international scientific community. This is also confirmed by the number of publications in the Academic Journal Guide (AJG) prepared by the Chartered Association of Business Schools: 90 articles in titles classified in the Academic Journal Guide, of which 2 are assigned to the most prestigious levels 4* and 4. These publications in the AJG categories confirms that they meet strict international substantive and editorial standards. Among the 322 monographs, it is worth noting the 5 published by Routledge, the 18 published by Springer, and the 1 published by Emerald.
The lecturers are members of foreign or international scientific institutions and societies, including: The European Society of Agricultural Engineers (EurAgEng), IACSIT (International Association of Computer Science and Information Technology); European Commission - Innovation and Networks Executive Agency; Cambridge Learning Gateway, St John's Innovation Centre; RSA (Regional Studies Association; East Sussex, UK), WEAI (Western Economic Association International; California, USA), Member – 2019; Agricultural & Applied Economics Association (AAEA); European Association of Agricultural Economists (EAAE); Strategic Management Society, British Academy of Management; Reseau Pays du Groupe de Vysegrad; The Spanish Association of International Economics and Finance.
The International Doctoral Seminars are a platform for international contact between students. These are online meetings in English with keynote speakers from abroad who familiarise the participants with the practical aspects of conducting research. Since 2021 (the first seminar) keynote speakers were: Prof. Hildegunn Kyvik Nordås (visiting professor at Örebro University, Sweden), Prof. Mariano Moszoro, Berkeley University USA (Senior Economist at the International Monetary Fund in Washington, DC, in 2005-2006 Deputy Minister of Finance of Poland and Chairman of the state development BGK), Zoltan Gal (University of Pécs), Prof. Marcos Ferasso, Ph.D. (his Ph.D. dissertation was written in the quasi-mixed methods approach and was awarded twice: Highly Commended Award winner, 2017 edition of Emerald/CLADEA Management Research Fund Award, EMERALD Publishing - Consejo Latinoamericano de Escuelas de Administración CLADEA ,EUA, in 2017; and Highly Commended Award winner, 2017 Emerald/EFMD Outstanding Doctoral Research Awards in the Management and Governance category, Emerald Publishing & European Foundation for Management Development – EFMD, United Kingdom in 2018), Julianna Faludi (Corvinus University of Budapest), Prof. Krzysztof Jajuga, Wrocław University of Econmics and Business, Dr Paweł Capik (Director of Postgraduate Research at the College of Business and Law, University of West England in Bristol, UK), Prof. Marcus Scholz (Technical University of Dresden), Radu Godina (NOVA School of Science and Technology, FCT NOVA, NOVA UNIVERSITY LISBON), Prof. Noemi Sinkovics (Newcastle University Business School). Students worldwide (SD including) also present their research (45 presentations at 13 seminars).
In order to expand international cooperation, the SD has started the process of signing agreements with Universidad Loyola Andalucia (Seville, Cordoba) in Spain and Univerzita Hradec Králové in the Czech Republic.
Since 2019, the SD staff has been taking advantage of the offer of the EDAMBA European Doctoral Programmes Association in Management and Business Administration
The doctoral school is open to recruiting candidates from abroad – appropriate procedures are provided for in the recruitment

process.
STRENGTHS: International Doctoral Seminar as a platform for the exchange of experiences, solid academic and publishing position of the academic staff, work on developing cooperation with foreign research centres, a wide range of opportunities conducive to international mobility supported by professional administrative services.
IDENTIFIED NEEDS FOR CHANGE: Introduction of a complete English-language training programme, increase in the number of international doctoral students (there have been 3 so far), increasing the international mobility of doctoral students.

8. Effectiveness of doctoral education

Percentage of individuals who obtained a doctoral degree	Doctoral students who applied for initiation of proceedings for the award of a doctoral degree	Doctoral students who were awarded a doctoral degree	Doctoral students who were denied the award of a doctoral degree
in the number of doctoral students who completed their education at the doctoral school during the evaluation period	89 %	33 %	11 %
in the total number of doctoral students who completed their education at the doctoral school	53 %	20 %	7 %

During the evaluation period, 9 doctoral students (students) submitted their theses, 7 requested an extension of the deadline, mainly due to the pandemic (difficulties in conducting empirical research, access to source materials). In the case of a paper consisting of a series of articles, the publication process caused delays; 1 student submitted her paper later due to maternity leave. The requested length of the extended training was: 1 (3 times), 2 (2 times) or 3 semesters (3 times). After consulting the supervisor, the Dean agreed to the extension, requiring participation in the open doctoral session, which is a motivating factor. No one was expelled in the last semester, and 1 person was denied a degree.
The achievements reported in the evaluation concern disciplines Economics and Finance as well as Management and Quality Science - in the acad. year 2021/2022, 1 student (foreigner) was accepted for Food and Nutrition Technology but expelled after the 1st semester, and only from 2024/2025 were 3 students recruited in this discipline.
The students evaluate the quality of education in an anonymous survey via USOS. The Dean analyses the results and intervenes if necessary (the average is between 4.39 and 4.78). Analyzing the evaluations and opinions of the students contributes to improving the quality of education.
Students also influence the quality of education through their representative of the Doctoral Student Council (DSC) in the Council of Doctoral School – both their statutory powers and additional suggestions for changes submitted are respected.
Monitoring of graduates' careers has only just begun, 3 are employed at the university, and 7 SD current students are currently employed at the university.
STRENGTHS: Considering the situation of doctoral students in the last semester, DSC is an important partner.
IDENTIFIED AREAS FOR CHANGE: Closer cooperation with graduates (establishing an alumni club) and analysis of the reasons for degree rejections.

1. economics and finance

Achievement Description

Inthe evaluation period, the listed doctoral students demonstrated outstanding achievements in the discipline of Economics and Finance
Paweł Brusiło: He completed a doctoral research project Green industrial policy for the establishment and development of the fuel cell electric vehicle market in the US state of California from the perspective of the economics of sustainable development. He was awarded a Fulbright-Schuman Award 2022/2023 grant, which proved to be a milestone in his scientific development. As part of this prestigious program, co-sponsored by the U.S. Department of State and the European Commission, he completed a research internship at the University of California, San Diego under the guidance of Prof. David G. Victor, director of the Center for Global Transformation and the Deep Decarbonization Initiative. The aim of the research was to determine how the green industrial policies of the state of California influenced the development of the hydrogen fuel cell vehicle market between 1990 and 2022. The results of this research brought real value both to the dissertation and to discussions regarding the design of public policies at the national and EU levels. The doctoral student participated in in-depth consultations with representatives of the European Commission and the Polish Ministry of Climate and Environment, presenting the identified drivers for the development of clean technologies. He pointed out, among other things, the need for stable regulations, expansion of infrastructure and long-term financial support for innovation.
Receiving a Fulbright-Schuman grant is a special honor, in the 2022/2023 edition, only 11 grants were awarded to doctoral students from across the European Union. The program enables research on issues related to EU policies and transatlantic relations, providing excellent opportunities to collaborate with internationally recognized scholars and research centers.
The experience acquired in California allowed him to prepare recommendations for regional authorities, which resulted in joining the European Commission's Expert Network - Team Europe Direct. As a result, his doctoral thesis made a tangible contribution to the development of the concept of energy transition, based on the use of hydrogen and fuel cell technologies in transportation. The impact of this achievement is thus broader than scientific activity alone: it combines

research value, practical utility and cross-border relevance to green industrial policy.
The doctoral student's scientific achievement was presented in the dissertation he prepared, as well as within the framework of scientific publications (selected): Graczyk, A., Brusiło, P., & Graczyk, A. M. (2025). Hydrogen as a Renewable Fuel of Non-Biological Origins in the European Union—The Emerging Market and Regulatory Framework. Energies, 18, Article 3. (140 points); Brusiło, P. (2021). Evaluation of China's policy for wind power development from the new structural economics perspective. International Journal of Sustainable Energy Planning and Management, Article 32. (70 points); Drelich-Skulska, B., Brusiło, P., & Jankowiak, A. H. (2024). Rozwój gospodarki wodorowej w Polsce jako kierunek transformacji energetycznej. W E. Przeździecka & A. A. Ambroziak (ed.), Polska gospodarka wobec nowych wyzwań w trzeciej dekadzie XXI wieku (s. 139–159).

Jadwiga Machnik: The doctoral student is contributing to science in the implementation of the project Multidimensional model of the life cycle of a company on the example of the industryICT . She held a 14-day research internship at the University of Turin in 2022 under the PROM program (Program Narodowej Agencji Wymiany Akademickiej – National Academic Exchange Agency program). During her stay, she verified the assumptions of her research, including presenting them at a scientific seminar. In collaboration with Prof. David Calandra, she developed practical research skills with methodological rigor. Working with a mentor in an area of need enabled her her to develop research competencies, including conducting a systematic literature review and analyzing the data extracted from the review (operation of the R program, with particular use of the bibliometrix package, software VOSviewer , as well as applications biblioshiny for bibliographic data analysis and Deedose). Cooperation with the mentor resulted in the preparation of a joint scientific publication.
The various stages of the development of the business life cycle model ICT are made visible in the publications and conference presentations of the doctoral student: Machnik, J., Bryl, Ł., Fryczak, J. M., & Hadro, D. (2025). Communicating strategic change in social media: lessons from the world's largest ICT companies. W K. M. Klimczak & Y. Shachmurove (ed.), Strategic Response to Turbulence. Lessons from Real Shocks (pp. 103–117) (75 points); Machnik, J. (2020). Performance Persistence and Gamma Convergence in Absolute Return Funds in Poland Over the Period 2011-2018. Financial Sciences. Nauki O Finansach, 25, Article 2–3. (40 points)

Aleksandra Szymura: The doctoral student contributes to science in the implementation of the project Application of machine learning methods in the evaluation process of capital companies. In doing so, she focuses both on the evaluation of the financial activities of capital companies and on techniques to explain the final results obtained substantively. Technological developments and the massive increase in the amount of available data have led to an ever-increasing interest in this area, and the pool of techniques used continues to expand. The scientific achievements of the doctoral student have been highlighted through the following publications and conference presentations: Piotrowska, K., Szymura, A., & Wanicki, P. (2024). Effect of R&D activity on level of innovation of EU countries in 2014 and 2020. PLoS ONE, 19, Article 2. (100 points); Szymura, A. (2024). Synthetic Financial Data: A Case Study Regarding Polish Limited Liability Companies Data. Ekonometria, 28, Article 2. (40 points); Szymura, A. (2022). Risk Assessment of Polish Joint Stock Companies: Prediction of Penalties or Compensation Payments. Risks, 10, Article 5. (70 points);
In addition, the doctoral student was ranked in the TOP 100 Women in Data Science in Poland created by the Perspektywy Foundation Women in Tech. She participates in the scientific and research work of the Department of Accounting, Reporting and Financial Analysis in the field of statistical analysis for research on reporting and analysis of business entities.

2. food and nutrition technology

Achievement Description

The achievements reported in the evaluation do not apply to the Food and Nutrition Technology discipline - in the academic year 2021/2022, 1 doctoral student (foreigner) was accepted for it, dismissed after the first semester, and only from the 2024/2025 academic year were 3 doctoral students recruited in this discipline. During the evaluation period, they had only just started their education and cannot demonstrate any scientific achievements.

3. management and quality studies

Achievement Description

Inthe evaluation period, the listed doctoral students demonstrated outstanding achievements in the discipline of Management and Quality Sciences.
Tomasz Zema: His research focuses on forecasting the sales volume of motor fuel using deep learning, a topic important for the energy sector and public policymaking.
He combined data analytics, predictive models, economics, and strategic management, focusing on deep learning and statistical methods to analyze fuel sales dynamics. His study also considers energy policies, electromobility, and global economic trends affecting fuel demand.
One of the important scientific achievements of his research work is the publication of a paper titled "Forecasting Fuel Retail Sales Volume Using Machine Learning for Sustainable Decision-Making", presented at the 26th European Conference on Artificial Intelligence (ECAI 2023), which is an important contribution to the development of fuel market analysis

methods using machine learning algorithms. He proposed using models LightGBM, ARIMA and Holt-Winters to predict fuel sales volume. The analysis was based on real data from the operator of a gas station network, which allowed for an accurate representation of sales dynamics and identification of factors affecting demand fluctuations. The results of the study showed that the model LightGBM achieved the highest prediction precision according to the metricsMSE and RMSE, highlighting its potential application in business practice. By taking into account variables such as fuel prices, seasonality, and macroeconomic fluctuations, the model makes it possible to optimize purchasing processes, logistics, and resource management in the fuel industry.
An important achievement is developing an effective forecasting method and contributing to sustainable development and a low-carbon economy. More accurate prediction of fuel demand allows more efficient management of production and distribution, reduction of losses, and minimization of excess inventories, positively impacting emissions and improving energy efficiency in the sector.
The conclusions of his work highlight the growing role of artificial intelligence in strategic decision-making, which can be used to create a modern economy based on data analysis. His research provides evidence that combining technology with economic analysis can effectively support sustainable development and enable companies to make better decisions in the face of dynamic market changes.
In summary, his most important scientific achievement is the development of an innovative approach to fuel sales forecasting that combines deep learning techniques with economic and business analysis. The results enrich the scientific body of work in forecasting and market analysis and contribute to building a more sustainable model for managing energy resources.
In 2022, the he completed a research internship as a Visiting Researcher at the Schulich School of Business at York University in Toronto. His scientific achievements were recognized in 2024 when he received an award in the Jan Mozrzymas Scholarship category, awarded to doctoral students for outstanding achievements relevant to the development of Wrocław.

Kamil Czwartkowski: The results of his work related to the implementation of the Individual Research Plan resulted in the submission of an application for funding to the National Science Center under the PRELUDIUM 22 competition. The project entitled "Type of adsorbent and the efficiency of adsorption of undesirable substances from edible niche oils" received funding in the amount of PLN 139,834.00 on the basis of the decision of the Director of NCN No. DEC-2023/49/N/NZ9/03464/R dated 2024-06-07. Project manager: Kamil Czwartkowski MSc. The project aims to evaluate the effectiveness of selected adsorbents in removing undesirable substances from niche edible oils, specifically pumpkin seed and walnut oil obtained through high-temperature pressing. Different adsorbent mixtures with varying physicochemical properties will be tested to determine their adsorption capacity and potential synergistic or antagonistic effects.
In the first stage, the initial quality parameters of the oils will be analysed, followed by verification of the adsorption capacity of the selected adsorbents. In the second stage, oils will be purified using various adsorbents, including bentonite, clays, kerolit, lithium oxide, and activated carbon, under different conditions. The impact of these adsorbents on the composition of the oils will then be examined.
In the third stage, based on the results of the planned research, a mixture of adsorbents will be designed dedicated to the removal of excess chlorophylls, free fatty acids and phospholipids from niche oils selected for testing. It is expected to obtain an adsorbent mixture dedicated to removing undesirable substances from edible oils, but minimizing the removal of oil components that positively affect human health (phytosterols, carotenoids, essential fatty acids, polyphenols). The doctoral student's research work has so far been presented in 16 scientific publications, including 6 with a ministerial score of 100
Kamila Łuczak: Student contributes to science by carrying out the project Concept for Improving the Effectiveness of the User Process Experience Design Using Design Thinking. She points to the implementation of empirical research - individual in-depth interviews (IDI) and focus group interviews (FGI). Individual in-depth interviews were used to conduct a pilot study. They were carried out to clarify the research area and also allowed to identify problems occurring in the User Experience (UX) design processes. The research allowed her to define the concept of a ‘creativity crisis’ as limiting the designer's work to building mockups and prototypes at different levels of fidelity: [1] on the basis of system design, which consists of ready-made components, [2] without the possibility of conducting research with users, [3] with limited contact with the client at subsequent stages of the project. The research results were presented at the XV Scientific Conference "Multimedia in Business and Administration", held in Koszęcin, 22-24.03.2023. Its organizers were the Częstochowa University of Technology and the Scientific Society of Organization and Management. The individual in-depth interviews also resulted in the following scientific article – Łuczak Kamila, „Identification of the needs of user experience designers in organizations”. Scientific Papers of Silesian University of Technology Organization and Management Series, 2023(172). Conducted between January and February 2025 the FGIs allowed confronting the indicators of effectiveness of the design process UX that are present in the academic literature with the industry reality. A systematic literature review conducted in earlier years of education allowed to identify key performance indicators of the UX design process; however, the opinion of practitioners on the indicated issue was also necessary. The focus group research involved experts from the UX industry. As a result, key performance indicators of the UX design process were identified: process execution time, process execution dynamics (work pace and flexibility to respond to changing conditions), creativity and employee involvement. She has twice received the distinction of being awarded a scientific allowance for outstanding scientific publications.

Artur Skoczylas: He contributes to science in the implementation of the project: The Concept for an intelligent operational decision support system in the area of spoil transport in mining companies. Achievements to date related to the implementation of the project have been highlighted among others, in the publication presentation of the article entitled "The Concept of an Intelligent Decision Support System for Ore Transportation in Underground Mine". The article outlines a concept for an AI-based decision support system for ore transportation, analyzing existing methods and

their limitations. Presented at the 27th International Conference on Knowledge-Based and Intelligent Information & Engineering Systems (KES 2023) in Athens.
As part of the publication and presentation of the article entitled "Decision Support in Production Environment Using Artificial Intelligence," he presented the use of artificial intelligence methods in the process of decision support in a production environment, also including the mining sector. The presentation of the article took place at the European Conference on Artificial Intelligence (ECAI 2023) in Krakow, Poland, where specific cases of application of AI methods in real industrial environments were presented. The development of his research work is related to participation in the research consortium of the project Intelligent Digital Toolbox Towards More Sustainable and Safer Extraction of Mineral Resources - NETHELIX, funded under the European Union's Horizon Research and Innovation Programme under Grant 101092365. The project aims to develop intelligent digital tools to support more sustainable and safer extraction of mineral resources. The collaboration includes research on modern technologies to optimize mining operations, including ore transport. The project focuses on integrating monitoring systems, data analysis and artificial intelligence to improve decision-making and operational processes in mines.
The publications and participation in the NETHELIX project are key to the Individual Research Plan, which aims to develop an intelligent system for optimizing ore transportation in mining. The research focuses on using AI to improve efficiency, reduce costs, and integrate real-time data analysis for dynamic strategy adjustments. This research considers aspects of systems integration, which are a key element in implementing the Individual PlanIoT and real-time data analysis.

ATTACHMENTS

Adequacy of the education program and individual research plans to the learning outcomes for qualifications at PRK level 8 and their implementation

No.	File type	Filename
1	Education programmes during the evaluation period	1. Curriculums during the evaluation period.pdf

Method of verifying learning outcomes for qualifications at PRK level 8

No.	File type	Filename
1	The method of assessing the learning outcomes for qualifications at level 8 of the PQF	2. Report on the Quality of Education at SD.pdf

Qualifications of academic teachers or research staff conducting education at the doctoral school

No.	File type	Filename
1	management and quality studies	DS Academic Staff Profiles MQS.pdf
2	economics and finance	DS Academic Staff Profiles EF.pdf
3	food and nutrition technology	DS Academic Staff Profiles FNT.pdf

Quality of the recruitment process

No.	File type	Filename
1	The compositions of the admissions committees during the evaluation period and the rationale for their selection with the aim of maintaining high admission standards	Recruitment Commissions.pdf
2	The admissions rules of the doctoral school during the evaluation period	Rules of recruitment to DS.pdf
3	The regulations of the doctoral school during the evaluation period	Regulations for DS.pdf

Quality of scientific or artistic supervision and support for conducting scientific activities

No.	File type	Filename
1	Internal regulations that pertain to the midterm evaluation and that are in force during the evaluation period, such as evaluation rules and criteria	5. MIdterm Assessment Regulations.pdf

STATEMENTS

- I hereby declare that the information contained in the self-assessment report is fully consistent with the factual and legal status.
- I hereby declare that the information contained in the self-assessment report in Polish and English is fully identical in substance.
- I hereby declare that the documents attached to the self-assessment report in Polish and English are fully identical in substance.

Signed by / Podpisano przez:

Dominika Bąk-Grabowska
Uniwersytet Ekonomiczny we Wrocławiu

Date / Data: 2025-03-13 18:48

Signature

AUTHORIZATIONS

Added files

Upoważnienie dla prof. D. Bąk-Grabowskiej, 5.03.2025.pdf

SENATE

RESOLUTION NO. R.0000.50.2019

adopted by the SENATE of the WROCLAW UNIVERSITY OF ECONOMICS AND BUSINESS

on 25 April 2019

regarding

The curriculum at the Doctoral School of the Wroclaw University of Economics and Business

Acting pursuant to Art. 28.1.12 of the Act of 20 July 2018, Law on Higher Education and Science (Dz. U. /Journal of Laws/ 1668 as amended), in connection with Article 291 of the Act of 3 July 2018 Provisions implementing the Law on Higher Education and Science (Dz. U. /Journal of Laws/ item 1669) the Senate resolves as follows:

§ 1

The curriculum at the Doctoral School of the Wroclaw University of Economics and Business is established as an attachment to the Resolution.

§2

The resolution will come into effect on the day of its adoption.

Rector

Prof. Andrzej Kaleta, PhD, Habil.

SENATE

Attachment No. 1 to Resolution No. R.0000.50.2019 adopted by the Senate on 25 April 2019

CURRICULUM OF THE DOCTORAL SCHOOL OF THE WROCLAW UNIVERSITY OF ECONOMICS AND BUSINESS

I. General characteristics and objectives of the curriculum

The completion of the curriculum at the Doctoral School will lead to the achievement of the learning outcomes for level 8 qualifications, according to the Polish Qualifications Framework, defined pursuant to the Act of 22 December 2015, on the Integrated Qualifications System (consolidated act, Dz. U. /Journal of Laws/ of 2020, item 226), and the regulations issued on the basis of Art. 7.3 thereof.
The principal objective of educating at the Doctoral School is to enable a doctoral student to write and submit a doctoral dissertation and to prepare the doctoral student to obtain a doctoral degree on this basis. The main objectives of educating at the Doctor School include:

a. preparing doctoral students to perform research, research and development, and teaching functions;
b. gaining by doctoral students the ability to make use of global scientific achievements, identify and solve research problems, plan and conduct research, and compile research outcomes in the form of patents, publications or presentations during scientific congresses;
c. gaining by doctoral students high research competence and scientific self-reliance;
d. preparing doctoral students to plan their scientific development on their own and to take on challenges in the professional and public spheres, taking account of ethical considerations and responsibility, in compliance with the European Charter for Researchers;
e. preparing doctoral students to take part in the exchange of scientific experience and ideas, also in the international environment.

The Doctoral School supports doctoral students' mobility and establishing international contacts by enabling doctoral students to take part in international exchange programmes and international conferences.
The School offers curricula for different paths within the specified academic disciplines.

II. Initial requirements – profile of a candidate

A candidate holding a (professional title) master degree or master of science degree, engineer, or an equivalent thereof, may apply for admission to the Doctoral School.
In exceptional cases, justified by the highest quality of academic achievements, the Doctoral School may admit a first cycle studies graduate or a student who has completed the third year of long-cycle studies, including a student who is a beneficiary of the "Diamond Grant" programme. The candidate's academic achievements will be assessed by the recruitment commission.

The candidate applying for admission to the Doctoral School should be able to demonstrate

competence and academic achievements enabling the candidate to enter education at level 8 of the Polish Qualifications Framework in the following academic disciplines: Economics and Finance, Management and Quality Science, and Food and Nutrition Technology.

III. Description of the expected learning outcomes

1. The description of the expected learning outcomes takes account of the second stage descriptors for qualifications at level 8 of the Polish Qualifications Framework (PQF), defined in the Regulation of the Minister for Science and Higher Education of 14 November 2018, on the Second Stage Descriptors of Learning Outcomes for Qualifications at Levels 6-8 of the Polish Qualifications Framework (Dz. U. of 2018, item 2218).
2. The learning outcomes apply to the following academic disciplines:
   a) Economics and Finance (field of social science),
   b) Management and Quality Science (field of social science),
   c) Food and Nutrition Technology (field of agricultural science).
3. The learning outcomes for the curriculum at the Doctoral School; explaining the meaning of the symbols:
   a) P8S – descriptors of the learning outcomes for level 8;
   b) WG (after an underscore) – knowledge category, scope and depth of understanding / completeness of the cognitive perspective and dependencies;
   c) WK (after an underscore) – knowledge category, context / conditions, effects;
   d) UW (after an underscore) – skills category, using knowledge / solving problems and carrying out tasks;
   e) UK (after an underscore) – skills category, communication / understanding and formulating statements, disseminating knowledge in the academic community;
   f) UO (after an underscore) – skills category, organizing work / planning and teamwork;
   g) UU (after an underscore) – skills category, learning / planning personal development and the development of others;
   h) KK (after an underscore) – social competence category, evaluation / critical approach;
   i) KO (after an underscore) – social competence category, responsibility / fulfilling social obligations and acting in the public interest;
   j) KR (after an underscore) – social competence category, professional role / autonomy and development of an ethos.

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No. of learning outcome	Learning outcome	Code of learning outcome for qualifications at level 8 of PQF
	Knowledge (knows and understands):	
K_W01	Knows and understands the world's academic and creative achievements relating to the disciplines taught at the Doctoral School: Economics and Finance, Management and Quality Science, and Food and Nutrition Technology, as well as their resulting implications for practice	P8S_WG P8S_WK
K_W02	Knows and understands to the extent making it possible to revise the existing paradigms – the world's achievements, including the theoretical foundations and general problems, as well as selected general and specific problems, including the methodology of science, relevant for social science (for the academic discipline of Economics and Finance, and Management and Quality Science); Food and Nutrition Technology	P8S_WG
K_W03	Knows and understands the main development trends for the academic discipline of Economics and Finance, Management and Quality Science/Food and Nutrition Technology	P8S_WG
K_W04	Knows and understands the economic, legal and other essential conditions of conducting research	P8S_WG
K_W05	Knows and understands the fundamental social and economic dilemmas of modern civilization	P8S_WK
K_W06	Knows and understands the rules of disseminating the results of research, also in the open access mode, and the basic rules of transferring knowledge to the economic and social spheres, including the basic rules of commercializing the results of research and related know-how	P8S_WK P8S_WG

SENATE

Skills (is able to):		
K_U01	Is able to analyse and innovatively synthetize academic and creative achievements to identify and solve problems related to research and to innovative and creative activity; make new contributions to such achievements, which includes defining the objective and subject of research, formulating research hypotheses, creatively employing and developing research methods, techniques and tools, appropriate for conducted research, and drawing conclusions based on the results of research	P8S_UW
K_U02	Is able to plan their personal development on their own and to inspire the development of others	P8S_UU
K_U03	Is able to take part in the exchange of experience and ideas, also in the international environment	P8S_UK
K_U04	Is able to use the knowledge of different fields of science or arts to creatively identify, formulate and innovatively solve complex problems or carry out research tasks, which includes, without limitation, defining the objective and subject of research, formulating research hypotheses, developing research methods, techniques and tools, and employing them in a creative way, and drawing conclusions based on the results of research	P8S_UW
K_U05	Is able to transfer the results of research to the economic and social spheres	P8S_UW
K_U06	Is able to disseminate the results of research, initiate debates and participate in the academic discourse, also in the international environment	P8S_UK
K_U07	Is able to plan and carry out research or creative tasks, both individually and in a team, also in the international environment	P8S_UO

	Social competence (is ready to):	
K_K01	Is ready to conduct autonomous research contributing to the existing academic and creative achievements, take on challenges in the professional and public spheres, taking account of their ethical considerations and responsibility for their results, and develop standards for the proper conduct in such situations	P8U_KK
K_K02	Is ready to take a critical approach to the evaluation of achievements in their academic discipline and of their own contribution to the development of this discipline	P8S_KK
K_K03	Is ready to recognize the importance of knowledge in solving cognitive and practical problems	P8S_KK
K_K04	Is ready to fulfil the social obligations of researchers and artists and to initiate activities in the public interest	P8S_KR, P8S_KO
K_K05	Is ready to think and act in an entrepreneurial and innovative manner	P8_KR
K_K06	Is ready to maintain and develop the ethos of scholarly and creative communities, which includes conducting research autonomously, respecting the rule that the results of research belong to the public domain, taking account of intellectual property protection	P8S_KR

IV. Verification of learning outcomes

When the cycle of classes for each course specified in the curriculum has been finished, the learning outcomes gained by doctoral students will be verified during examinations, passes or graded passes. The form of a pass for a given course is defined by the schedule of implementing the curriculum. The doctoral students shall be informed about the method of administering an exam or pass by the lecturer running the course, before the cycle of classes starts.
Examinations and passes may be in the form of written or oral tests of knowledge and skills; a pass for classes may be given on the basis of written assignments (e.g. projects, essays, multimedia projects or presentations) prepared by the doctoral students on the given topic. The learning outcomes achieved by the doctoral student will be verified also by evaluating:

1) doctoral student's oral presentations during the annual open doctoral session; it will consist in presenting research hypotheses, methods and results; the doctoral student's presentation will be evaluated by the Dean of the School;
2) implementation of the Individual Research Plan, including the schedule for preparing the doctoral dissertation, which will be evaluated by the evaluation commission in the form of a midterm assessment in the middle of the period of study; the result of midterm assessment

may be positive or negative, and the result of assessment, including its justification, shall be open.

V. Schedule of implementing the curriculum

The schedule of implementing the curriculum at the Doctoral School shall specify:

a. mandatory and elective courses to be completed, including the number of class hours;
b. number of internship hours;
c. allocation of mandatory and elective courses and internship to respective semesters of education;
d. types of class activity and requirements for passing courses and internship.

The total number of hours specified in the schedule (year I-IV, semesters I-VIII):

a. classes taught with the participation of a lecturer – 320 hours, including 96 hours of mandatory classes and 224 hours of elective classes;
b. internship – 240 hours, 60 hours in each year of education.

SENATE

Curriculum at the Doctoral School of the Wroclaw University of Economics and Business, comprising the disciplines: Economics and Finance, Management and Quality Science, and Food and Nutrition Technology for doctoral students starting their education in the academic 2019/2020										
No.	**Course name**	**Semester**	**Form of a pass***	**No. of hours**	**No. of hours in a semester**				**No. of ECTS**	**Remarks**
					W[1)]	**ĆW[2)]**	**ĆW-k[3)]**	**S[4)]**		
Basic mandatory courses										
1	Philosophy of science	I	pass (graded)	8	8				1	Basic courses run at the Doctoral School mandatory for all doctoral students
2	*Metodyka*[1] and methodology of research	I	exam	16	8		8		2	
3	Research Problems in Economics and Finance (for the discipline: EiF)/ Research Problems in Management and Quality Science (for the discipline: NoZiJ)/ Research Problems in Food and Nutrition Technology (for the discipline: TŻiŻ)	I	exam	16	16				2	
4	Research Problems in Economics and Finance	I	exam	8	8				1	
5	Research Problems in Management and Quality Science	I	exam	8	8				1	
6	Doctoral proceedings in scientific disciplines	I	pass	8	8				1	
7	Quantitative and qualitative methods in research	II	exam	16	8		8		2	
8	Commercialization of research results	II	pass	8		8			1	
9	International publications and scientific sources	II	pass (graded)	8			8		1	
10	International research programs	II	pass	8		8			1	
11	Research Ethics	II	pass	8	8				1	
Total mandatory courses				96	56	16	24	0	**12**	

[1] standardized approach making use of a set of methods; general rules of operation

SENATE

Optional classes to develop professional skills (of research and in the discipline) - related to *metodyka* and specialist										
1	Elective course – WUE Offer	III-VI	pass (graded)	8	8				1	8 elective courses in each discipline, each lasting 8 hours and giving 1 ECTS. Elective courses are organised depending on the number of enrolled PhD students in a given semester (min. 5 people). A doctoral student taking optional courses must obtain the following minimum number of ECTS credits (the number of ECTS credits is cumulative): • at the end of the second year - 5 ECTS; • at the end of the third year - 8 ECTS. With the consent of the programme manager and in consultation with the supervisor, the doctoral student may replace a maximum of 2 elective subjects by choosing replacements from the list of electives for another discipline *60 hours per academic year in the form of conducted classes or participation in the Department.*
2	Elective course – WUE Offer	III-VI	pass (graded)	8	8				1	
3	Elective course – WUE Offer	III-VI	pass (graded)	8	8				1	
4	Elective course – WUE Offer	III-VI	pass (graded)	8	8				1	
5	Elective course – WUE Offer	III-VI	pass (graded)	8	8				1	
6	Elective course – WUE Offer	III-VI	pass (graded)	8	8				1	
7	Elective course – WUE Offer	III-VI	pass (graded)	8	8				1	
8	Elective course – WUE Offer	III-VI	pass (graded)	8	8				1	
Total courses developing professional skills				64	64	0	0	0	8	
Internship										
1	**Internship***	*I-VIII*	pass	*240*		*30*			*0*	
Total internship				240	0	30	0	0	0	A total of 240 hours of practice

SENATE

Seminars and active forms of disseminating research results										
1	Doctoral seminars	I-VIII	pass	**64**				**8**	**16**	Department, selection made and confirmed by the selected Supervisor from offers of independent employees indicated by the Dean of the School.
2	Open doctoral session	II, IV, VI, VIII	pass	**96**				**12**	**8**	Annual, open symposium of doctoral students led by the Dean of the School or the directors of doctoral programs, during which research results are presented and discussed
	Total seminars			**160**					**24**	
Total number of hours for mandatory and elective courses – Doctoral School				**160**	**120**	**16**	**24**		**20**	
Total number of hours for mandatory and elective courses, and seminars - Doctoral School				**320**	**120**	**16**	**24**	**160**	**44**	
Total number of hours - Doctoral School				**560**	**120**	**16**	**24**	**160**	**44**	
	E - exam, Z - passing with a grade, z - passing with a pass				W	Ć	Ćw-K	S		
	The program applies to PhD students starting their studies in the academic year 2019-2020									

[1] W – lecture, [2] ĆW – tutorials, [3] ĆW-k – computer lab, [4] S – seminar

*pass – assessment on a pass/fail basis, pass (graded) – grade based assessment

SENATE

RESOLUTION NO. R.0000.132.2019

adopted by the SENATE of
the WROCLAW UNIVERSITY OF ECONOMICS AND BUSINESS

on 26 September 2019

regarding

the approval of changes in the curriculum at the Doctoral School of the Wroclaw University of Economics and Business

Acting pursuant to Art. 28.1.12 of the Act of 20 July 2018, Law on Higher Education and Science (Dz. U. /Journal of Laws/ 1668 as amended), in connection with Article 291 of the Act of 3 July 2018 Provisions implementing the Law on Higher Education and Science (Dz. U. /Journal of Laws/ item 1669) the Senate resolves as follows:

§ 1

Appendix No. 1 to Resolution No. R.0000.50.2019 of 25 April 2019 introduces the changes contained in Appendix No. 1 to this resolution.

§2

The resolution will come into effect on the date of its adoption.

Rector

Prof. Andrzej Kaleta, PhD, Habil.

Uniwersytet Ekonomiczny
we Wrocławiu

SENATE

Attachment No. 1 to Resolution No. R.0000.132.2019 adopted by the Senate on 26 September 2019

It is:

Curriculum at the Doctoral School of the Wroclaw University of Economics and Business, comprising the disciplines: Economics and Finance, Management and Quality Science, and Food and Nutrition Technology for doctoral students starting their education in the academic 2019/2020

No.	Course name	Semester	Form of a pass*	No. of hours	No. of hours in a semester				No. of ECTS	Remarks
					W[1)]	ĆW[2)]	ĆW-k[3)]	S[4)]		
Basic mandatory courses										
1	Philosophy of science	I	pass (graded)	8	8				1	Basic courses run at the Doctoral School mandatory for all doctoral students
2	*Metodyka*[1] and methodology of research	I	exam	16	8		8		2	
3	Research Problems in Economics and Finance (for the discipline: EiF)/ Research Problems in Management and Quality Science (for the discipline: NoZiJ)/ Research Problems in Food and Nutrition Technology (for the discipline: TŻiŻ)	I	exam	16	16				2	
4	Research Problems in Economics and Finance	I	exam	8	8				1	
5	Research Problems in Management and Quality Science	I	exam	8	8				1	
6	Doctoral proceedings in scientific disciplines	I	pass	8	8				1	
7	Quantitative and qualitative methods in research	II	exam	16	8		8		2	
8	Commercialization of research results	II	pass	8		8			1	

[1] standardized approach making use of a set of methods; general rules of operation

9	International publications and scientific sources	II	pass (graded)	8			8		1	
10	International research programs	II	pass	8		8			1	
11	Research Ethics	II	pass	8	8				1	
Total mandatory courses				96	56	16	24	0	**12**	

Seminars and active forms of disseminating research results										
1	Doctoral seminars	I-VIII	pass	**64**				**8**	**16**	Department, selection made and confirmed by the selected Supervisor from offers of independent employees indicated by the Dean of the School.
2	Open doctoral session	II, IV, VI, VIII	pass	**96**				**12**	**8**	Annual, open symposium of doctoral students led by the Dean of the School or the directors of doctoral programs, during which research results are presented and discussed
	Total seminars			**160**					**24**	

Uniwersytet Ekonomiczny
we Wrocławiu

SENATE

Should be:

No.	Course name	Semester	Form of a pass*	No. of hours	No. of hours in a semester				No. of ECTS	Remarks
					W[1]	ĆW[2]	ĆW-k[3]	S[4]		
Basic mandatory courses										
1	Philosophy of science	I	pass (graded)	8	8				1	Basic courses run at the Doctoral School mandatory for all doctoral students
2	*Metodyka*[2] and methodology of research	I	exam	16	8		8		2	
3	Research Problems in Economics and Finance (for the discipline: EiF)/ Research Problems in Management and Quality Science (for the discipline: NoZiJ)/ Research Problems in Food and Nutrition Technology (for the discipline: TŻiŻ)	I	exam	16	16				2	
4	Doctoral proceedings in scientific disciplines	I	pass	8	8				1	
5	Quantitative and qualitative methods in research	II	E	16	8		8		2	
6	Commercialization of research results	II	pass	8		8			1	
7	International publications and scientific sources	II	pass (graded)	8			8		1	
8	International research programs	II	pass	8		8			1	
9	Research Ethics	II	pass	8	8				1	
Total compulsory classes				96	56	16	24	0	**12**	

[2] standardized approach making use of a set of methods; general rules of operation

SENATE

Seminars and active forms of disseminating research results										
1	Doctoral seminars	I-VIII	pass	**64**				**8**	**16**	Department, selection made and confirmed by the selected Supervisor from offers of independent employees indicated by the Dean of the School.
2	Open doctoral session	II, IV, VI, VIII	pass	**96**				**24**	**8**	Annual, open symposium of doctoral students led by the Dean of the School or the directors of doctoral programs, during which research results are presented and discussed
	Total seminars			**160**					**24**	

[1)] W – lecture, [2)] ĆW – tutorials, [3)] ĆW-k – computer lab, [4)] S – seminar

*pass – assessment on a pass/fail basis, pass (graded) – grade based assessment

SENATE

RESOLUTION NO. R.0000.39.2020

adopted by the SENATE of
the WROCLAW UNIVERSITY OF ECONOMICS AND BUSINESS

on 23 March 2020

regarding

the approval of the curriculum at the Doctoral School of the Wroclaw University of Economics and Business for doctoral students starting their education in the academic year 2020/2021

Acting pursuant to Art. 28.1.12 of the Act of 20 July 2018, Law on Higher Education and Science (Dz. U. /Journal of Laws/ 1668 as amended) ,in connection with Article 291 of the Act of 3 July 2018 Provisions implementing the Law on Higher Education and Science (Dz. U. /Journal of Laws/ item 1669) the Senate resolves as follows:

§ 1

The curriculum at the Doctoral School of the Wroclaw University of Economics and Business for doctoral students starting their education in the academic year 2020/2021 will be as described in the attachment hereto.

§2

The resolution will come into effect on the day of its adoption.

Rector

Prof. Andrzej Kaleta, PhD, Habil.

SENATE

Attachment No. 1 to Resolution No. R.0000.39.2020 adopted by the Senate on 23 March 2020

CURRICULUM OF THE DOCTORAL SCHOOL OF THE WROCLAW UNIVERSITY OF ECONOMICS AND BUSINESS

I. General characteristics and objectives of the curriculum

The completion of the curriculum at the Doctoral School will lead to the achievement of the learning outcomes for level 8 qualifications, according to the Polish Qualifications Framework, defined pursuant to the Act of 22 December 2015, on the Integrated Qualifications System (consolidated act, Dz. U. /Journal of Laws/ of 2020, item 226), and the regulations issued on the basis of Art. 7.3 thereof.
The principal objective of educating at the Doctoral School is to enable a doctoral student to write and submit a doctoral dissertation and to prepare the doctoral student to obtain a doctoral degree on this basis. The main objectives of educating at the Doctor School include:

a. preparing doctoral students to perform research, research and development, and teaching functions;
b. gaining by doctoral students the ability to make use of global scientific achievements, identify and solve research problems, plan and conduct research, and compile research outcomes in the form of patents, publications or presentations during scientific congresses;
c. gaining by doctoral students high research competence and scientific self-reliance;
d. preparing doctoral students to plan their scientific development on their own and to take on challenges in the professional and public spheres, taking account of ethical considerations and responsibility, in compliance with the European Charter for Researchers;
e. preparing doctoral students to take part in the exchange of scientific experience and ideas, also in the international environment.

The Doctoral School supports doctoral students' mobility and establishing international contacts by enabling doctoral students to take part in international exchange programmes and international conferences.
The School offers curricula for different paths within the specified academic disciplines.

II. Initial requirements – profile of a candidate

A candidate holding a (professional title) master degree or master of science degree, engineer, or an equivalent thereof, may apply for admission to the Doctoral School.
In exceptional cases, justified by the highest quality of academic achievements, the Doctoral School may admit a first cycle studies graduate or a student who has completed the third year of long-cycle studies, including a student who is a beneficiary of the "Diamond Grant" programme. The candidate's academic achievements will be assessed by the recruitment commission.

The candidate applying for admission to the Doctoral School should be able to demonstrate

competence and academic achievements enabling the candidate to enter education at level 8 of the Polish Qualifications Framework in the following academic disciplines: Economics and Finance, Management and Quality Science, and Food and Nutrition Technology.

III. Description of the expected learning outcomes

1. The description of the expected learning outcomes takes account of the second stage descriptors for qualifications at level 8 of the Polish Qualifications Framework (PQF), defined in the Regulation of the Minister for Science and Higher Education of 14 November 2018, on the Second Stage Descriptors of Learning Outcomes for Qualifications at Levels 6-8 of the Polish Qualifications Framework (Dz. U. of 2018, item 2218).
2. The learning outcomes apply to the following academic disciplines:
   a) Economics and Finance (field of social science),
   b) Management and Quality Science (field of social science),
   c) Food and Nutrition Technology (field of agricultural science).
3. The learning outcomes for the curriculum at the Doctoral School; explaining the meaning of the symbols:
   a) P8S – descriptors of the learning outcomes for level 8;
   b) WG (after an underscore) – knowledge category, scope and depth of understanding / completeness of the cognitive perspective and dependencies;
   c) WK (after an underscore) – knowledge category, context / conditions, effects;
   d) UW (after an underscore) – skills category, using knowledge / solving problems and carrying out tasks;
   e) UK (after an underscore) – skills category, communication / understanding and formulating statements, disseminating knowledge in the academic community;
   f) UO (after an underscore) – skills category, organizing work / planning and teamwork;
   g) UU (after an underscore) – skills category, learning / planning personal development and the development of others;
   h) KK (after an underscore) – social competence category, evaluation / critical approach;
   i) KO (after an underscore) – social competence category, responsibility / fulfilling social obligations and acting in the public interest;
   j) KR (after an underscore) – social competence category, professional role / autonomy and development of an ethos.

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No. of learning outcome	Learning outcome	Code of learning outcome for qualifications at level 8 of PQF
Knowledge (knows and understands):		
K_W01	Knows and understands the world's academic and creative achievements relating to the disciplines taught at the Doctoral School: Economics and Finance, Management and Quality Science, and Food and Nutrition Technology, as well as their resulting implications for practice	P8S_WG P8S_WK
K_W02	Knows and understands to the extent making it possible to revise the existing paradigms – the world's achievements, including the theoretical foundations and general problems, as well as selected general and specific problems, including the methodology of science, relevant for social science (for the academic discipline of Economics and Finance, and Management and Quality Science); Food and Nutrition Technology	P8S_WG
K_W03	Knows and understands the main development trends for the academic discipline of Economics and Finance, Management and Quality Science/Food and Nutrition Technology	P8S_WG
K_W04	Knows and understands the economic, legal and other essential conditions of conducting research	P8S_WG
K_W05	Knows and understands the fundamental social and economic dilemmas of modern civilization	P8S_WK
K_W06	Knows and understands the rules of disseminating the results of research, also in the open access mode, and the basic rules of transferring knowledge to the economic and social spheres, including the basic rules of commercializing the results of research and related know-how	P8S_WK P8S_WG

SENATE

Skills (is able to):		
K_U01	Is able to analyse and innovatively synthetize academic and creative achievements to identify and solve problems related to research and to innovative and creative activity; make new contributions to such achievements, which includes defining the objective and subject of research, formulating research hypotheses, creatively employing and developing research methods, techniques and tools, appropriate for conducted research, and drawing conclusions based on the results of research	P8S_UW
K_U02	Is able to plan their personal development on their own and to inspire the development of others	P8S_UU
K_U03	Is able to take part in the exchange of experience and ideas, also in the international environment	P8S_UK
K_U04	Is able to use the knowledge of different fields of science or arts to creatively identify, formulate and innovatively solve complex problems or carry out research tasks, which includes, without limitation, defining the objective and subject of research, formulating research hypotheses, developing research methods, techniques and tools, and employing them in a creative way, and drawing conclusions based on the results of research	P8S_UW
K_U05	Is able to transfer the results of research to the economic and social spheres	P8S_UW
K_U06	Is able to disseminate the results of research, initiate debates and participate in the academic discourse, also in the international environment	P8S_UK
K_U07	Is able to plan and carry out research or creative tasks, both individually and in a team, also in the international environment	P8S_UO

	Social competence (is ready to):	
K_K01	Is ready to conduct autonomous research contributing to the existing academic and creative achievements, take on challenges in the professional and public spheres, taking account of their ethical considerations and responsibility for their results, and develop standards for the proper conduct in such situations	P8U_KK
K_K02	Is ready to take a critical approach to the evaluation of achievements in their academic discipline and of their own contribution to the development of this discipline	P8S_KK
K_K03	Is ready to recognize the importance of knowledge in solving cognitive and practical problems	P8S_KK
K_K04	Is ready to fulfil the social obligations of researchers and artists and to initiate activities in the public interest	P8S_KR, P8S_KO
K_K05	Is ready to think and act in an entrepreneurial and innovative manner	P8_KR
K_K06	Is ready to maintain and develop the ethos of scholarly and creative communities, which includes conducting research autonomously, respecting the rule that the results of research belong to the public domain, taking account of intellectual property protection	P8S_KR

IV. Verification of learning outcomes

When the cycle of classes for each course specified in the curriculum has been finished, the learning outcomes gained by doctoral students will be verified during examinations, passes or graded passes. The form of a pass for a given course is defined by the schedule of implementing the curriculum. The doctoral students shall be informed about the method of administering an exam or pass by the lecturer running the course, before the cycle of classes starts.
Examinations and passes may be in the form of written or oral tests of knowledge and skills; a pass for classes may be given on the basis of written assignments (e.g. projects, essays, multimedia projects or presentations) prepared by the doctoral students on the given topic. The learning outcomes achieved by the doctoral student will be verified also by evaluating:

1) doctoral student's oral presentations during the annual open doctoral session; it will consist in presenting research hypotheses, methods and results; the doctoral student's presentation will be evaluated by the Dean of the School;
2) implementation of the Individual Research Plan, including the schedule for preparing the doctoral dissertation, which will be evaluated by the evaluation commission in the form of a midterm assessment in the middle of the period of study; the result of midterm assessment

may be positive or negative, and the result of assessment, including its justification, shall be open.

V. Schedule of implementing the curriculum

The schedule of implementing the curriculum at the Doctoral School shall specify:

a. mandatory and elective courses to be completed, including the number of class hours;
b. number of internship hours;
c. allocation of mandatory and elective courses and internship to respective semesters of education;
d. types of class activity and requirements for passing courses and internship.

The total number of hours specified in the schedule (year I-IV, semesters I-VIII):

a. classes taught with the participation of a lecturer – 332 hours, including 108 hours of mandatory classes and 224 hours of elective classes;
b. internship – 240 hours, i.e. 60 hours in each year of education, including 45 hours of classes conducted by doctoral students on their own and 15 hours of participation in conducting classes.

SENATE

Curriculum at the Doctoral School of the Wroclaw University of Economics and Business, comprising disciplines: Economics and Finance, Management and Quality Science for doctoral students starting their education **in the academic year 2020/2021**										
No.	**Course name**	**Semester**	**Form of a pass***	**No. of hours**	**No. of hours in a semester**				**No. of ECTS**	**Remarks**
					W[1]	**ĆW[2]**	**ĆW-k[3]**	**S[4]**		
Basic mandatory courses										
1	Occupational Health and Safety	I	pass	4	4				0	
2	*Metodyka*[1] and methodology of research	I	pass (graded)	8	8	Lecture only, no exercises			2	Basic courses run at the Doctoral School mandatory for all doctoral students
3	Research Problems in Economics and Finance (for the EiF discipline) / Research Problems in Management and Quality Science (for the M&Q discipline)	I	pass (graded)	16	16				2	
4	Doctoral programme in scientific disciplines	I	pass (graded)	4	4				1	
5	Quantitative and qualitative methods in research. Introduction	I	pass (graded)	16	8		8		2	
6	Literature review (types and *metodyka*) – workshop	I necessarily the first semester	pass (graded)	16	4		12		2	
7	*Metodyka* of teaching in a higher education institution	I	pass	4	4		Lecture only, no exercises		1	
8	Preparing an academic paper – workshop	II	pass (graded)	16			16		2	
9	Acquiring research grants. Sources of funding for social science research	II	pass (graded)	8			8		2	
10	Philosophy of science	I	pass	8	8				1	
11	Research Ethics	II	pass	8	8				1	

[1] standardized approach making use of a set of methods; general rules of operation

SENATE

	Total mandatory courses			**108**	**64**		**44**		**16**	
Elective courses developing professional skills (related to *metodyka* and specialist)										
1	Elective course	III-VI	pass (graded)	8					1	8 elective courses, each lasting 8 hours and giving 1 ECTS. It is required to obtain 8 ECTS, which may be recognized on the basis of a certificate confirming the number of ECTS achieved by participation, without limitation, in a doctoral seminar, workshops, courses or Summer School classes
2	Elective course	III-VI	pass (graded)	8					1	
3	Elective course	III-VI	pass (graded)	8					1	
4	Elective course	III-VI	pass (graded)	8					1	
5	Elective course	III-VI	pass (graded)	8					1	
6	Elective course	III-VI	pass (graded)	8					1	
7	Elective course	III-VI	pass (graded)	8					1	
8	Elective course	III-VI	pass (graded)	8					1	
	Total courses developing professional skills			**64**					**8**	

SENATE

Curriculum at the Doctoral School of the Wroclaw University of Economics and Business, comprising the following disciplines: Economics and Finance, Management and Quality Science for doctoral students starting their education **in the academic year 2020/2021**										
No.	**Course name**	**Semester**	**Form of a pass***	**No. of hours**	**No. of hours in a semester**				**No. of ECTS**	**Remarks**
					W[1]	**ĆW[2]**	**ĆW-k[3]**	**S[4]**		
Internship										
1	Internship **	I-VIII	zal.	240		30			16	60 hours per academic year in the form of conducting classes by a doctoral student on their own or participating in conducting classes, in accordance with the regulations in place at the University
	Total internship			**240**		30			**16**	
Seminars and active forms of disseminating research results										
1	Doctoral seminars	I-VIII	zal.	**64**				**8**	**16**	
2	Open doctoral session	II, III, V, VII	zal.	**96**				**24**	**8**	A doctoral student must obtain the following minimum number of ECTS points (the number of ECTS points is given cumulatively): at the end of the 2nd semester – 2 ECTS, at the end of the 3rd semester – 4 ECTS, at the end of the 5th semester – 6 ECTS, at the end of the 7th semester – 8 ECTS
	Total seminars			**160**				**32**	**24**	
	Total number of hours for mandatory and elective courses			**172**					**24**	
	Total number of hours for mandatory and elective courses, and seminars			**332**					**48**	
	Total number of hours			**572**					**64**	

1) W – lecture, [2)] ĆW – tutorials, [3)] ĆW-k – computer lab, [4)] S – seminar
*pass – assessment on a pass/fail basis, pass (graded) – grade based assessment

SENATE

Curriculum at the Doctoral School of the Wroclaw University of Economics and Business, comprising in the discipline **of Food Technology and Nutrition** for doctoral students starting their education **in the academic year 2020/2021**										
No.	**Course name**	**Semester**	**Form of a pass***	**No. of hours**	**No. of hours in a semester**				**No. of ECTS**	**Remarks**
					W[1]	**ĆW[2]**	**ĆW-k[3]**	**S[4]**		
Basic mandatory courses										
1	Occupational Health and Safety	I	pass	4	4				0	Basic courses run at the Doctoral School mandatory for all doctoral students
2	Doctoral programme in scientific disciplines	I	pass	4	4				1	
3	Philosophy of science	I	pass	8	8				1	
4	*Metodyka*[2] and methodology of research in agricultural sciences	I	pass (graded)	8	8				2	
5	Research problems in **Food Technology and Nutrition**	I	pass (graded)	16	16				2	
6	Strategies and standards for scientific publications	I	pass	16	4		12		2	
7	Sources of funding for research	II	pass (graded)	8			8		2	
8	Scientific sources, databases and scientific literature management (workshop)	I	pass (graded)	16	4		12		2	
9	Data acquisition and analysis methods in agricultural sciences	II	pass (graded)	16	4		12		2	
10	Research Ethics	II	pass	8	8				1	
11	*Metodyka* of teaching in a higher education institution	I	pass	4	4				1	
Total mandatory courses				108	64	0	44	0	**16**	

[2] standardized approach making use of a set of methods; general rules of operation

SENATE

Elective courses developing professional skills (related to *metodyka* and specialist)										
1	Elective course – WUE Offer	III-VI	pass (graded)	8					1	8 elective courses, each lasting 8 hours and giving 1 ECTS. The type of class activity will be defined by a lecturer. It is required to obtain 8 ECTS, which may be recognized on the basis of a certificate confirming the number of ECTS achieved by participation, without limitation, in a doctoral seminar, workshops, courses or Summer School classes
2	Elective course – WUE Offer	III-VI	pass (graded)	8					1	
3	Elective course – WUE Offer	III-VI	pass (graded)	8					1	
4	Elective course – WUE Offer	III-VI	pass (graded)	8					1	
5	Elective course – WUE Offer	III-VI	pass (graded)	8					1	
6	Elective course – WUE Offer	III-VI	pass (graded)	8					1	
7	Elective course – WUE Offer	III-VI	pass (graded)	8					1	
8	Elective course – WUE Offer	III-VI	pass (graded)	8					1	
Total courses developing professional skills				64	64	0	0	0	8	
Internship										
1	**Internship***	I-VIII	pass	240		30			16	60 hours per academic year in the form of conducting classes by a doctoral student on their own or participating in conducting classes, in accordance with the regulations in place at the University
Total internship				240	0	30	0	0	**16**	Total 240 hours of Internship

SENATE

Seminars and active forms of disseminating research results										
1	Doctoral seminars	I-VIII	pass	**64**				**8**	**16**	
2	Open doctoral session	II, IV, VI, VIII	pass	**96**				**24**	**8**	A doctoral student must obtain the following minimum number of ECTS points (the number of ECTS points is given cumulatively): at the end of the 2nd semester – 2 ECTS, at the end of the 3rd semester – 4 ECTS, at the end of the 5th semester – 6 ECTS, at the end of the 7th semester – 8 ECTS
	Razem Total seminars l.mn.			**160**					**24**	
Total number of hours for mandatory and elective courses – Doctoral School				**172**					**24**	
Total number of hours for mandatory and elective courses, and seminars - Doctoral School				**332**					**48**	
Total number of hours - Doctoral School				**572**					**64**	

1) W – lecture, [2)] ĆW – tutorials, [3)] ĆW-k – computer lab, [4)] S – seminar

*pass – assessment on a pass/fail basis,
pass (graded) – grade based assessment

SENATE

RESOLUTION NO. R.0000.110.2020

adopted by the SENATE of
the WROCLAW UNIVERSITY OF ECONOMICS AND BUSINESS

on 9 July 2020

regarding

the approval of changes in the curriculum at the Doctoral School of the Wroclaw University of Economics and Business for doctoral students starting their education in the academic year 2020/2021

§ 1

The following changes are being made to the curriculum at the Doctoral School of the Wroclaw University of Economics and Business which is attachment to RESOLUTION NO.39.2020 on 23 March 2020:

In paragraph V The total number of hours specified in the schedule sub-item b. is replaced by:

b. internship – 240 hours, i.e. 60 hours in each year of education, including 24 hours of classes conducted by doctoral students on their own and 36 hours of participation in conducting classes during the first year of education; 48 hours of classes conducted on their own and 12 hours of participation in conducting classes during the second, third and fourth year of education at the School.

§2

The resolution will come into effect on 1 October 2020.

Rector

Prof. Andrzej Kaleta, PhD, Habil.

Uniwersytet Ekonomiczny
we Wrocławiu

SENATE

Attachment No. 1 to Resolution No. R.0000.110.2020 adopted by the Senate on 9 July 2020

Curriculum at the Doctoral School of the Wroclaw University of Economics and Business, comprising disciplines: Economics and Finance, Management and Quality Science for doctoral students starting their education **in the academic year 2020/2021**										
No.	**Course name**	**Semester**	**Form of a pass***	**No. of hours**	**No. of hours in a semester**				**No. of ECTS**	**Remarks**
					W[1]	**ĆW[2]**	**ĆW-k[3]**	**S[4]**		
Basic mandatory courses										
1	Occupational Health and Safety	I	pass	4	4				0	Basic courses run at the Doctoral School mandatory for all doctoral students
2	*Metodyka*[1] and methodology of research	I	pass (graded)	8	8				2	
3	Research Problems in Economics and Finance (for the EiF discipline) / Research Problems in Management and Quality Science (for the B&M	I	pass (graded)	16	16				2	
4	Doctoral programme in scientific disciplines	I	pass (graded)	4	4				1	
5	Quantitative and qualitative methods in research. Introduction	I	pass (graded)	16	8		8		2	
6	Literature review (types and *metodyka*) – workshop	I	pass (graded)	16	4		12		2	
7	*Metodyka* of teaching in a higher education institution	I	pass	4	4				1	
8	Preparing an academic paper – workshop	II	pass (graded)	16			16		2	
9	Acquiring research grants. Sources of funding for social science research	II	pass (graded)	8			8		2	
10	Philosophy of science	I	pass	8	8				1	
11	Research Ethics	II	pass	8	8				1	
Total compulsory classes				**108**	**64**		**44**		**16**	

[1] standardized approach making use of a set of methods; general rules of operation

SENATE

Elective courses developing professional skills (related to *metodyka* and specialist)										
1	Elective course	III-VI	Z	8					1	8 elective courses, each lasting 8 hours and giving 1 ECTS. It is required to obtain 8 ECTS, which may be recognized on the basis of a certificate confirming the number of ECTS achieved by participation, without limitation, in a doctoral seminar, workshops, courses or Summer School classes
2	Elective course	III-VI	Z	8					1	
3	Elective course	III-VI	Z	8					1	
4	Elective course	III-VI	Z	8					1	
5	Elective course	III-VI	Z	8					1	
6	Elective course	III-VI	Z	8					1	
7	Elective course	III-VI	Z	8					1	
8	Elective course	III-VI	Z	8					1	
Total courses developing professional skills				**64**					**8**	

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Curriculum at the Doctoral School of the Wroclaw University of Economics and Business, comprising the following disciplines:
Economics and Finance, Management and Quality Science for doctoral students starting their education **in the academic year 2020/2021**

No.	Course name	Semester	Form of a pass*	No. of hours	No. of hours in a semester				No. of ECTS	Remarks
					W[1]	ĆW[2]	ĆW-k[3]	S[4]		
Internship										
1	Internship *	I-VIII	pass	240		30			16	60 hours per academic year in the form of conducting classes by a doctoral student on their own or participating in conducting classes, in accordance with the regulations in place at the University
	Total internship			**240**		**30**			**16**	
Seminars and active forms of disseminating research results										
1	Doctoral seminar	I-VIII	pass	**64**				**8**	**16**	
2	Open doctoral session	II, III, V, VII	pass	**96**				**24**	**8**	A doctoral student must obtain the following minimum number of ECTS points (the number of ECTS points is given cumulatively): at the end of the 2nd semester – 2 ECTS, at the end of the 3rd semester – 4 ECTS, at the end of the 5th semester – 6 ECTS, at the end of the 7th semester – 8 ECTS
	Total seminar			**160**				**32**	**24**	
	Total number of compulsory and optional training hours			**172**					**24**	
	Total number of hours for compulsory and optional courses and doctoral seminars			**332**					**48**	
	Total number of hours			**572**					**64**	

SENATE

[1] W – lecture, [2] ĆW – tutorials, [3] ĆW-k – computer lab, [4] S – seminar
pass – assessment on a pass/fail basis, pass (graded) – grade based assessment

* Internship: 24 hours of classes conducted by doctoral students on their own and 36 hours of participation in conducting classes during the first year of education; 48 hours of classes conducted on their own and 12 hours of participation in conducting classes during the second, third and fourth year of education at the School.

Curriculum at the Doctoral School of the Wroclaw University of Economics and Business, comprising in the discipline **of Food Technology and Nutrition** for doctoral students starting their education **in the academic year 2020/2021**										
No	**Course name**	**Semester**	**Form of a pass***	**No. of hours**	**No. of hours in a semester**				**No. of ECTS**	**Remarks**
					W	**Ć**	**Ćw-K**	**S**		
Basic mandatory courses										
1	Occupational Health and Safety	I	pass	4	4				0	Basic courses run at the Doctoral School mandatory for all doctoral students
2	Doctoral programme in scientific disciplines	I	pass	4	4				1	
3	Philosophy of science	I	pass	8	8				1	
4	*Metodyka*[2] and methodology of research	I	pass (graded)	8	8				2	
5	Research Problems in Food Technology and Nutrition	I	pass (graded)	16	16				2	
6	Strategies and standards for scientific publications	I	pass	16	4		12		2	
7	Sources of funding for research	II	pass (graded)	8			8		2	
8	Scientific sources, databases and scientific literature management (workshop)	I	pass (graded)	16	4		12		2	
9	Data acquisition and analysis methods in agricultural sciences	II	pass (graded)	16	4		12		2	
10	Ethocal Research	II	pass	8	8				1	

[2] standardized approach making use of a set of methods; general rules of operation

11	Teaching methodology at university	I	pass	4	4				1	
Total compulsory classes				108	64		44		**16**	

Elective courses developing professional skills (related to *metodyka* and specialist)										
1	Elective course	III-VI	pass (graded)	8					1	8 elective courses, each lasting 8 hours and giving 1 ECTS. It is required to obtain 8 ECTS, which may be recognized on the basis of a certificate confirming the number of ECTS achieved by participation, without limitation, in a doctoral seminar, workshops, courses or Summer School classes
2	Elective course	III-VI	pass (graded)	8					1	
3	Elective course	III-VI	pass (graded)	8					1	
4	Elective course	III-VI	pass (graded)	8					1	
5	Elective course	III-VI	pass (graded)	8					1	
6	Elective course	III-VI	pass (graded)	8					1	
7	Elective course	III-VI	pass (graded)	8					1	
8	Elective course	III-VI	pass (graded)	8					1	
Total courses developing professional skills				64					8	

SENATE

Curriculum at the Doctoral School of the Wroclaw University of Economics and Business, comprising in the discipline **of Food Technology and Nutrition** for doctoral students starting their education **in the academic year 2020/2021**

No	Course name	Semester	Form of a pass*	No. of hours	No. of hours in a semester				No. of ECTS	Remarks
					W	Ć	Ćw-K	S		
Internship										
1	Internship*	I-VIII	pass	240		30			16	60 hours per academic year in the form of conducting classes by a doctoral student on their own or participating in conducting classes, in accordance with the regulations in place at the University
	Total internship			240		30			16	
Seminars and active forms of disseminating research results										
1	**Doctoral seminar**	I-VIII	pass	**64**				**8**	**16**	
2	Open doctoral session	II, IV, VI, VIII	pass	**96**				**24**	**8**	A doctoral student must obtain the following minimum number of ECTS points (the number of ECTS points is given cumulatively): at the end of the 2nd semester – 2 ECTS, at the end of the 3rd semester – 4 ECTS, at the end of the 5th semester – 6 ECTS, at the end of the 7th semester – 8 ECTS
	Total seminar			160				32	24	
Total number of hours for mandatory and elective courses - Doctoral School				172					24	
Total number of hours for mandatory and elective courses, and seminars - Doctoral School				332					48	
Total number of hours - Doctoral School				572					64	

SENATE

[1] W – lecture, [2] ĆW – tutorials, [3] ĆW-k – computer lab, [4] S – seminar

pass – assessment on a pass/fail basis, pass (graded) – grade based assessment

* Internship: 24 hours of classes conducted by doctoral students on their own and 36 hours of participation in conducting classes during the first year of education; 48 hours of classes conducted on their own and 12 hours of participation in conducting classes during the second, third and fourth year of education at the School.

SENATE

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SENATE

RESOLUTION NO. R.0000.5.2021

adopted by the SENATE of
the WROCLAW UNIVERSITY OF ECONOMICS AND BUSINESS

on 21 January 2021

regarding

the approval of the curriculum at the Doctoral School of the Wroclaw University of Economics and Business for doctoral students starting their education in the academic year 2021/2022

Acting pursuant to Art. 28.1.12 of the Act of 20 July 2018, Law on Higher Education and Science (Dz. U. /Journal of Laws/ 2020, item 85 as amended), the Senate resolves as follows:

§ 1

The curriculum at the Doctoral School of the Wroclaw University of Economics and Business for doctoral students starting their education in the academic year 2021/2022 will be as described in the attachment hereto.

§2

The resolution will come into effect on the day of its adoption.

Rector

Prof. Andrzej Kaleta, PhD, Habil.

SENATE

Attachment No. 1 to Resolution No. R.0000.5.2021 adopted by the Senate on 21 January 2021

CURRICULUM OF THE DOCTORAL SCHOOL OF THE WROCLAW UNIVERSITY OF ECONOMICS AND BUSINESS

I. General characteristics and objectives of the curriculum

The completion of the curriculum at the Doctoral School will lead to the achievement of the learning outcomes for level 8 qualifications, according to the Polish Qualifications Framework, defined pursuant to the Act of 22 December 2015, on the Integrated Qualifications System (consolidated act, Dz. U. /Journal of Laws/ of 2020, item 226), and the regulations issued on the basis of Art. 7.3 thereof.
The principal objective of educating at the Doctoral School is to enable a doctoral student to write and submit a doctoral dissertation and to prepare the doctoral student to obtain a doctoral degree on this basis. The main objectives of educating at the Doctor School include:

a. preparing doctoral students to perform research, research and development, and teaching functions;
b. gaining by doctoral students the ability to make use of global scientific achievements, identify and solve research problems, plan and conduct research, and compile research outcomes in the form of patents, publications or presentations during scientific congresses;
c. gaining by doctoral students high research competence and scientific self-reliance;
d. preparing doctoral students to plan their scientific development on their own and to take on challenges in the professional and public spheres, taking account of ethical considerations and responsibility, in compliance with the European Charter for Researchers;
e. preparing doctoral students to take part in the exchange of scientific experience and ideas, also in the international environment.

The Doctoral School supports doctoral students' mobility and establishing international contacts by enabling doctoral students to take part in international exchange programmes and international conferences.
The School offers curricula for different paths within the specified academic disciplines.

II. Initial requirements – profile of a candidate

A candidate holding a (professional title) master degree or master of science degree, engineer, or an equivalent thereof, may apply for admission to the Doctoral School.
In exceptional cases, justified by the highest quality of academic achievements, the Doctoral School may admit a first cycle studies graduate or a student who has completed the third year of long-cycle studies, including a student who is a beneficiary of the "Diamond Grant" programme. The candidate's academic achievements will be assessed by the recruitment commission.

The candidate applying for admission to the Doctoral School should be able to demonstrate competence and academic achievements enabling the candidate to enter education at level 8 of the Polish Qualifications Framework in the following academic disciplines: Economics and Finance,

Management and Quality Science, and Food and Nutrition Technology.

III. Description of the expected learning outcomes

1. The description of the expected learning outcomes takes account of the second stage descriptors for qualifications at level 8 of the Polish Qualifications Framework (PQF), defined in the Regulation of the Minister for Science and Higher Education of 14 November 2018, on the Second Stage Descriptors of Learning Outcomes for Qualifications at Levels 6-8 of the Polish Qualifications Framework (Dz. U. of 2018, item 2218).
2. The learning outcomes apply to the following academic disciplines:
   a) Economics and Finance (field of social science),
   b) Management and Quality Science (field of social science),
   c) Food and Nutrition Technology (field of agricultural science).
3. The learning outcomes for the curriculum at the Doctoral School; explaining the meaning of the symbols:
   a) P8S – descriptors of the learning outcomes for level 8;
   b) WG (after an underscore) – knowledge category, scope and depth of understanding / completeness of the cognitive perspective and dependencies;
   c) WK (after an underscore) – knowledge category, context / conditions, effects;
   d) UW (after an underscore) – skills category, using knowledge / solving problems and carrying out tasks;
   e) UK (after an underscore) – skills category, communication / understanding and formulating statements, disseminating knowledge in the academic community;
   f) UO (after an underscore) – skills category, organizing work / planning and teamwork;
   g) UU (after an underscore) – skills category, learning / planning personal development and the development of others;
   h) KK (after an underscore) – social competence category, evaluation / critical approach;
   i) KO (after an underscore) – social competence category, responsibility / fulfilling social obligations and acting in the public interest;
   j) KR (after an underscore) – social competence category, professional role / autonomy and development of an ethos.

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No. of learning outcome	Learning outcome	Code of learning outcome for qualifications at level 8 of PQF
	Knowledge (knows and understands):	
K_W01	Knows and understands the world's academic and creative achievements relating to the disciplines taught at the Doctoral School: Economics and Finance, Management and Quality Science, and Food and Nutrition Technology, as well as their resulting implications for practice	P8S_WG P8S_WK
K_W02	Knows and understands to the extent making it possible to revise the existing paradigms – the world's achievements, including the theoretical foundations and general problems, as well as selected general and specific problems, including the methodology of science, relevant for social science (for the academic discipline of Economics and Finance, and Management and Quality Science); Food and Nutrition Technology	P8S_WG
K_W03	Knows and understands the main development trends for the academic discipline of Economics and Finance, Management and Quality Science/Food and Nutrition Technology	P8S_WG
K_W04	Knows and understands the economic, legal and other essential conditions of conducting research	P8S_WG
K_W05	Knows and understands the fundamental social and economic dilemmas of modern civilization	P8S_WK
K_W06	Knows and understands the rules of disseminating the results of research, also in the open access mode, and the basic rules of transferring knowledge to the economic and social spheres, including the basic rules of commercializing the results of research and related know-how	P8S_WK P8S_WG

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Skills (is able to):		
K_U01	Is able to analyse and innovatively synthetize academic and creative achievements to identify and solve problems related to research and to innovative and creative activity; make new contributions to such achievements, which includes defining the objective and subject of research, formulating research hypotheses, creatively employing and developing research methods, techniques and tools, appropriate for conducted research, and drawing conclusions based on the results of research	P8S_UW
K_U02	Is able to plan their personal development on their own and to inspire the development of others	P8S_UU
K_U03	Is able to take part in the exchange of experience and ideas, also in the international environment	P8S_UK
K_U04	Is able to use the knowledge of different fields of science or arts to creatively identify, formulate and innovatively solve complex problems or carry out research tasks, which includes, without limitation, defining the objective and subject of research, formulating research hypotheses, developing research methods, techniques and tools, and employing them in a creative way, and drawing conclusions based on the results of research	P8S_UW
K_U05	Is able to transfer the results of research to the economic and social spheres	P8S_UW
K_U06	Is able to disseminate the results of research, initiate debates and participate in the academic discourse, also in the international environment	P8S_UK
K_U07	Is able to plan and carry out research or creative tasks, both individually and in a team, also in the international environment	P8S_UO

	Social competence (is ready to):	
K_K01	Is ready to conduct autonomous research contributing to the existing academic and creative achievements, take on challenges in the professional and public spheres, taking account of their ethical considerations and responsibility for their results, and develop standards for the proper conduct in such situations	P8U_KK
K_K02	Is ready to take a critical approach to the evaluation of achievements in their academic discipline and of their own contribution to the development of this discipline	P8S_KK
K_K03	Is ready to recognize the importance of knowledge in solving cognitive and practical problems	P8S_KK
K_K04	Is ready to fulfil the social obligations of researchers and artists and to initiate activities in the public interest	P8S_KR, P8S_KO
K_K05	Is ready to think and act in an entrepreneurial and innovative manner	P8_KR
K_K06	Is ready to maintain and develop the ethos of scholarly and creative communities, which includes conducting research autonomously, respecting the rule that the results of research belong to the public domain, taking account of intellectual property protection	P8S_KR

IV. Verification of learning outcomes

When the cycle of classes for each course specified in the curriculum has been finished, the learning outcomes gained by doctoral students will be verified during examinations, passes or graded passes. The form of a pass for a given course is defined by the schedule of implementing the curriculum. The doctoral students shall be informed about the method of administering an exam or pass by the lecturer running the course, before the cycle of classes starts.
Examinations and passes may be in the form of written or oral tests of knowledge and skills; a pass for classes may be given on the basis of written assignments (e.g. projects, essays, multimedia projects or presentations) prepared by the doctoral students on the given topic. The learning outcomes achieved by the doctoral student will be verified also by evaluating:

1) doctoral student's oral presentations during the annual open doctoral session; it will consist in presenting research hypotheses, methods and results; the doctoral student's presentation will be evaluated by the Dean of the School;
2) implementation of the Individual Research Plan, including the schedule for preparing the doctoral dissertation, which will be evaluated by the evaluation commission in the form of a midterm assessment in the middle of the period of study; the result of midterm assessment

may be positive or negative, and the result of assessment, including its justification, shall be open.

V. Schedule of implementing the curriculum

The schedule of implementing the curriculum at the Doctoral School shall specify:

a. mandatory and elective courses to be completed, including the number of class hours;
b. number of internship hours;
c. allocation of mandatory and elective courses and internship to respective semesters of education;
d. types of class activity and requirements for passing courses and internship.

The total number of hours specified in the schedule (year I-IV, semesters I-VIII):

a. classes taught by a lecturer – 336 hours, including 112 hours of mandatory classes and 224 hours of elective classes;
b. internship – 240 hours, i.e. 60 hours in each year of education, including 24 hours of classes conducted by doctoral students on their own and 36 hours of participation in conducting classes during the first year of education; 48 hours of classes conducted on their own and 12 hours of participation in conducting classes during the second, third and fourth year of education at the School.

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Curriculum at the Doctoral School of the Wroclaw University of Economics and Business, comprising the following disciplines: Economics and Finance, Management and Quality Science, and Food and Nutrition Technology for doctoral students starting their education in the academic year 2021/2022										
No.	**Course name**	**Semester**	**Form of a pass***	**No. of hours**	**No. of hours in a semester**				**No. of ECTS**	**Remarks**
					W[1]	**ĆW[2]**	**ĆW-k[3]**	**S[4]**		
	Basic mandatory courses									
1	Occupational Health and Safety	I	pass	4	4				0	Basic courses run at the Doctoral School mandatory for all doctoral students
2	*Metodyka*[1] and methodology of research	I	pass (graded)	8	8				2	
3	Procedure for awarding a doctoral degree in academic disciplines	I	pass	4	4				1	
4	Literature review (types and *metodyka*) – workshop	I	pass (graded)	8	4		4		2	
5	Testing hypotheses in the research process	II	pass (graded)	8	4		4		2	
6	Quantitative and qualitative methods in research. Introduction	I	pass (graded)	8	8				2	
7	*Metodyka* of teaching in a higher education institution	I	pass	4	4				1	
8	Philosophy of science	I	pass	8	8				1	
9	Research Ethics	II	pass	8	8				1	
	Total mandatory courses for all disciplines			**60**	**52**		**8**		**12**	
1	Research Problems in Economics and Finance	I	pass (graded)	16	16				2	Basic courses run at the Doctoral School mandatory for doctoral students of the Economics and Finance discipline
2	Acquiring research grants. Sources of funding for social science research	II	pass (graded)	8	4		4		2	
3	Preparing an academic paper – workshop	II	pass (graded)	12	4		8		2	
4	Quantitative and qualitative methods in research	II	pass (graded)	16			16		2	
	Razem obowiązkowe dla EiF			**112**	**76**		**36**		**20**	
1	Research Problems in Management and Quality Science	I	pass (graded)	16	16				2	

[1] standardized approach making use of a set of methods; general rules of operation

2	Acquiring research grants. Sources of funding for social science research	II	pass (graded)	8	4		4		2	Basic courses run at the Doctoral School mandatory for doctoral students of the Management and Quality Science discipline
3	Preparing an academic paper – workshop	II	pass (graded)	12	4		8		2	
4	Quantitative and qualitative methods in research	II	pass (graded)	16			16		2	
	Total mandatory courses for Management and Quality Science			**112**	**76**		**36**		**20**	
1	Research Problems in Food and Nutrition Technology	I	pass (graded)	12	4		8		2	Basic courses run at the Doctoral School mandatory for doctoral students of the Food and Nutrition Technology discipline
2	Acquiring research grants. Sources of funding for social science research	II	pass (graded)	12	8		4		2	
3	Preparing an academic paper – workshop	II	pass (graded)	12	4		8		2	
4	Quantitative and qualitative methods in research	II	pass (graded)	16			16		2	
	Total mandatory courses for Food and Nutrition Technology			**112**	**68**		**44**		**20**	
	Elective courses developing professional skills (related to *metodyka* and specialist)									
1	Elective course	III-VI	pass (graded)	8					1	8 elective courses, each lasting 8 hours and giving 1 ECTS. The type of class activity will be defined by a lecturer. It is required to obtain 8 ECTS, which may be recognized on the basis of a certificate confirming the number of ECTS achieved by participation, without limitation, in a doctoral seminar, workshops, courses or Summer School classes courses
2	Elective course	III-VI	pass (graded)	8					1	
3	Elective course	III-VI	pass (graded)	8					1	
4	Elective course	III-VI	pass (graded)	8					1	
5	Elective course	III-VI	pass (graded)	8					1	
6	Elective course	III-VI	pass (graded)	8					1	
7	Elective course	III-VI	pass (graded)	8					1	
8	Elective course	III-VI	pass (graded)	8					1	
	Total courses developing professional skills			**64**					**8**	

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No.	Course name	Semester	Form of a pass*	No. of hours	No. of hours in a semester				No. of ECTS	Remarks
					W[1]	ĆW[2]	ĆW-k[3]	S[4]		
Internship										
1	Internship **	I-VIII	zal.	240		30			16	60 hours per academic year in the form of conducting classes by a doctoral student on their own or participating in conducting classes, in accordance with the regulations in place at the University
	Total internship			**240**		30			**16**	
Seminars and active forms of disseminating research results										
1	Doctoral seminar	I-VIII	zal.	**64**				**8**	**16**	
2	Open doctoral session	II, III, V, VII	zal.	**96**				**24**	**8**	-
	Total seminar			**160**				**32**	**24**	
	Total number of hours for mandatory and elective courses			**176**					**28**	
	Total number of hours for mandatory and elective courses, and seminars			**336**					**52**	
	Total number of hours			**576**					**68**	

[1] W – lecture, [2] ĆW – tutorials, [3] ĆW-k – computer lab, [4] S – seminar

*pass – assessment on a pass/fail basis,
pass (graded) – grade based assessment

** Internship: 24 hours of classes conducted by doctoral students on their own and 36 hours of participation in conducting classes during the first year of education; 48 hours of classes conducted on their own and 12 hours of participation in conducting classes during the second, third and fourth year of education at the School.

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SENATE

RESOLUTION NO. R.0000.70.2021

adopted by the SENATE of
the WROCLAW UNIVERSITY OF ECONOMICS AND BUSINESS

on 16 December 2021

regarding

the approval of the curriculum at the Doctoral School of the Wroclaw University of Economics and Business for doctoral students starting their education in the academic year 2022/2023

Acting pursuant to Art. 28.1.12 of the Act of 20 July 2018, Law on Higher Education and Science (Dz. U. /Journal of Laws/ 2020, item 1668 as amended), pursuant to Article 291 of the Act of July 3, 2018 Law on Higher Education and Science (Dz. U. /Journal of Laws/ 2020, item 1669 as amended) – Provisions Introducing the Act the Senate resolves as follows:

§ 1

The curriculum at the Doctoral School of the Wroclaw University of Economics and Business for doctoral students starting their education in the academic year 2022/2023 will be as described in the attachment hereto.

§2

The resolution will come into effect on the day of its adoption.

Rector

Prof. Andrzej Kaleta, PhD, Habil.

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Attachment No. 1 to Resolution No. R.0000.70.2021 adopted by the Senate on 16 December 2021

CURRICULUM OF THE DOCTORAL SCHOOL OF THE WROCLAW UNIVERSITY OF ECONOMICS AND BUSINESS

I. General characteristics and objectives of the curriculum

The completion of the curriculum at the Doctoral School will lead to the achievement of the learning outcomes for level 8 qualifications, according to the Polish Qualifications Framework, defined pursuant to the Act of 22 December 2015, on the Integrated Qualifications System (consolidated act, Dz. U. /Journal of Laws/ of 2020, item 226), and the regulations issued on the basis of Art. 7.3 thereof.
The principal objective of educating at the Doctoral School is to enable a doctoral student to write and submit a doctoral dissertation and to prepare the doctoral student to obtain a doctoral degree on this basis. The main objectives of educating at the Doctor School include:

a. preparing doctoral students to perform research, research and development, and teaching functions;
b. gaining by doctoral students the ability to make use of global scientific achievements, identify and solve research problems, plan and conduct research, and compile research outcomes in the form of patents, publications or presentations during scientific congresses;
c. gaining by doctoral students high research competence and scientific self-reliance;
d. preparing doctoral students to plan their scientific development on their own and to take on challenges in the professional and public spheres, taking account of ethical considerations and responsibility, in compliance with the European Charter for Researchers;
e. preparing doctoral students to take part in the exchange of scientific experience and ideas, also in the international environment.

The Doctoral School supports doctoral students' mobility and establishing international contacts by enabling doctoral students to take part in international exchange programmes and international conferences.
The School offers curricula for different paths within the specified academic disciplines.

II. Initial requirements – profile of a candidate

A candidate holding a (professional title) master degree or master of science degree, engineer, or an equivalent thereof, may apply for admission to the Doctoral School.
In exceptional cases, justified by the highest quality of academic achievements, the Doctoral School may admit a first cycle studies graduate or a student who has completed the third year of long-cycle studies, including a student who is a beneficiary of the "Diamond Grant" programme. The candidate's academic achievements will be assessed by the recruitment commission.

The candidate applying for admission to the Doctoral School should be able to demonstrate competence and academic achievements enabling the candidate to enter education at level 8 of the

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Polish Qualifications Framework in the following academic disciplines: Economics and Finance, Management and Quality Science, and Food and Nutrition Technology.

III. Description of the expected learning outcomes

1. The description of the expected learning outcomes takes account of the second stage descriptors for qualifications at level 8 of the Polish Qualifications Framework (PQF), defined in the Regulation of the Minister for Science and Higher Education of 14 November 2018, on the Second Stage Descriptors of Learning Outcomes for Qualifications at Levels 6-8 of the Polish Qualifications Framework (Dz. U. of 2018, item 2218).
2. The learning outcomes apply to the following academic disciplines:
   a) Economics and Finance (field of social science),
   b) Management and Quality Science (field of social science),
   c) Food and Nutrition Technology (field of agricultural science).
3. The learning outcomes for the curriculum at the Doctoral School; explaining the meaning of the symbols:
   a) P8S – descriptors of the learning outcomes for level 8;
   b) WG (after an underscore) – knowledge category, scope and depth of understanding / completeness of the cognitive perspective and dependencies;
   c) WK (after an underscore) – knowledge category, context / conditions, effects;
   d) UW (after an underscore) – skills category, using knowledge / solving problems and carrying out tasks;
   e) UK (after an underscore) – skills category, communication / understanding and formulating statements, disseminating knowledge in the academic community;
   f) UO (after an underscore) – skills category, organizing work / planning and teamwork;
   g) UU (after an underscore) – skills category, learning / planning personal development and the development of others;
   h) KK (after an underscore) – social competence category, evaluation / critical approach;
   i) KO (after an underscore) – social competence category, responsibility / fulfilling social obligations and acting in the public interest;
   j) KR (after an underscore) – social competence category, professional role / autonomy and development of an ethos.

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No. of learning outcome	Learning outcome	Code of learning outcome for qualifications at level 8 of PQF
	Knowledge (knows and understands):	
K_W01	Knows and understands the world's academic and creative achievements relating to the disciplines taught at the Doctoral School: Economics and Finance, Management and Quality Science, and Food and Nutrition Technology, as well as their resulting implications for practice	P8S_WG P8S_WK
K_W02	Knows and understands to the extent making it possible to revise the existing paradigms – the world's achievements, including the theoretical foundations and general problems, as well as selected general and specific problems, including the methodology of science, relevant for social science (for the academic discipline of Economics and Finance, and Management and Quality Science); Food and Nutrition Technology	P8S_WG
K_W03	Knows and understands the main development trends for the academic discipline of Economics and Finance, Management and Quality Science/Food and Nutrition Technology	P8S_WG
K_W04	Knows and understands the economic, legal and other essential conditions of conducting research	P8S_WG
K_W05	Knows and understands the fundamental social and economic dilemmas of modern civilization	P8S_WK
K_W06	Knows and understands the rules of disseminating the results of research, also in the open access mode, and the basic rules of transferring knowledge to the economic and social spheres, including the basic rules of commercializing the results of research and related know-how	P8S_WK P8S_WG

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Skills (is able to):		
K_U01	Is able to analyse and innovatively synthetize academic and creative achievements to identify and solve problems related to research and to innovative and creative activity; make new contributions to such achievements, which includes defining the objective and subject of research, formulating research hypotheses, creatively employing and developing research methods, techniques and tools, appropriate for conducted research, and drawing conclusions based on the results of research	P8S_UW
K_U02	Is able to plan their personal development on their own and to inspire the development of others	P8S_UU
K_U03	Is able to take part in the exchange of experience and ideas, also in the international environment	P8S_UK
K_U04	Is able to use the knowledge of different fields of science or arts to creatively identify, formulate and innovatively solve complex problems or carry out research tasks, which includes, without limitation, defining the objective and subject of research, formulating research hypotheses, developing research methods, techniques and tools, and employing them in a creative way, and drawing conclusions based on the results of research	P8S_UW
K_U05	Is able to transfer the results of research to the economic and social spheres	P8S_UW
K_U06	Is able to disseminate the results of research, initiate debates and participate in the academic discourse, also in the international environment	P8S_UK
K_U07	Is able to plan and carry out research or creative tasks, both individually and in a team, also in the international environment	P8S_UO

	Social competence (is ready to):	
K_K01	Is ready to conduct autonomous research contributing to the existing academic and creative achievements, take on challenges in the professional and public spheres, taking account of their ethical considerations and responsibility for their results, and develop standards for the proper conduct in such situations	P8U_KK
K_K02	Is ready to take a critical approach to the evaluation of achievements in their academic discipline and of their own contribution to the development of this discipline	P8S_KK
K_K03	Is ready to recognize the importance of knowledge in solving cognitive and practical problems	P8S_KK
K_K04	Is ready to fulfil the social obligations of researchers and artists and to initiate activities in the public interest	P8S_KR, P8S_KO
K_K05	Is ready to think and act in an entrepreneurial and innovative manner	P8_KR
K_K06	Is ready to maintain and develop the ethos of scholarly and creative communities, which includes conducting research autonomously, respecting the rule that the results of research belong to the public domain, taking account of intellectual property protection	P8S_KR

IV. Verification of learning outcomes

When the cycle of classes for each course specified in the curriculum has been finished, the learning outcomes gained by doctoral students will be verified during examinations, passes or graded passes. The form of a pass for a given course is defined by the schedule of implementing the curriculum. The doctoral students shall be informed about the method of administering an exam or pass by the lecturer running the course, before the cycle of classes starts.
Examinations and passes may be in the form of written or oral tests of knowledge and skills; a pass for classes may be given on the basis of written assignments (e.g. projects, essays, multimedia projects or presentations) prepared by the doctoral students on the given topic. The learning outcomes achieved by the doctoral student will be verified also by evaluating:

1) doctoral student's oral presentations during the annual open doctoral session; it will consist in presenting research hypotheses, methods and results; the doctoral student's presentation will be evaluated by the Dean of the School;
2) implementation of the Individual Research Plan, including the schedule for preparing the doctoral dissertation, which will be evaluated by the evaluation commission in the form of a midterm assessment in the middle of the period of study; the result of midterm assessment

may be positive or negative, and the result of assessment, including its justification, shall be open.

V. Schedule of implementing the curriculum

The schedule of implementing the curriculum at the Doctoral School shall specify:

a. mandatory and elective courses to be completed, including the number of class hours;
b. number of internship hours;
c. allocation of mandatory and elective courses and internship to respective semesters of education;
d. types of class activity and requirements for passing courses and internship.

The total number of hours specified in the schedule (year I-IV, semesters I-VIII):

a. classes taught by a lecturer – 336 hours, including 112 hours of mandatory classes and 224 hours of elective classes;
b. internship – 240 hours, i.e. 60 hours in each year of education, including 24 hours of classes conducted by doctoral students on their own and 36 hours of participation in conducting classes during the first year of education; 48 hours of classes conducted on their own and 12 hours of participation in conducting classes during the second, third and fourth year of education at the School.

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Curriculum at the Doctoral School of the Wroclaw University of Economics and Business, comprising the following disciplines: Economics and Finance, Management and Quality Science, and Food and Nutrition Technology for doctoral students starting their education in the academic year 2022/2023

No.	Course name	Semester	Form of a pass*	No. of hours	No. of hours in a semester				No. of ECTS	Remarks
					W[1]	ĆW[2]	ĆW-k[3]	S[4]		
	Basic mandatory courses									
1	Occupational Health and Safety	I	pass	4	4				0	Basic courses run at the Doctoral School mandatory for all doctoral students
2	*Metodyka*[1] and methodology of research	I	pass (graded)	8	8				2	
3	Procedure for awarding a doctoral degree in academic disciplines	I	pass	4	4				1	
4	Literature review (types and *metodyka*) – workshop	I	pass (graded)	8	4		4		2	
5	Testing hypotheses in the research process	II	pass (graded)	8	4		4		2	
6	*Metodyka* of teaching in a higher education institution	I	pass	4	4				1	
7	Philosophy of science	I	pass	8	8				1	
8	Research Ethics	II	pass	8	8				1	
	Total mandatory courses for all disciplines			**52**	**44**		**8**		**10**	
1	Research Problems in Economics and Finance	I	pass (graded)	16	16				2	Basic courses run at the Doctoral School mandatory for doctoral students of the Economics and Finance discipline
2	Acquiring Research Grants: Sources of Funding for Scientific Research in Social Sciences	II	pass (graded)	8	4		4		2	
3	Preparing an academic paper – workshop	II	pass (graded)	12	4		8		2	
4	Quantitative methods in research	II	pass (graded)	12	4		8		2	
5	Qualitative methods in research	II	pass (graded)	12	4	8			2	
	Total mandatory courses for Economics and Finance			**112**	**76**	**8**	**28**		**20**	
1	Research Problems in Management and Quality Sciences	I	pass (graded)	16	16				2	

[1] standardized approach making use of a set of methods; general rules of operation

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2	Acquiring Research Grants: Sources of Funding for Scientific Research in Social Sciences	II	pass (graded)	8	4		4		2	Basic courses run at the Doctoral School mandatory for doctoral students of the Management and Quality Science discipline
3	Preparing an academic paper – workshop	II	pass (graded)	12	4		8		2	
4	Quantitative methods in research	II	pass (graded)	12	4		8		2	
5	Qualitative methods in research	II	pass (graded)	12	4	8			2	
	Total mandatory courses for Management and Quality Science			**112**	**76**	**8**	**28**		**20**	
1	Research Problems in Management and Quality Sciences	I	pass (graded)	12	4	8			2	Basic courses run at the Doctoral School mandatory for doctoral students of the Food and Nutrition Technology discipline
2	Acquiring Research Grants: Sources of Research Funding	II	pass (graded)	12	8		4		2	
3	Preparing an academic paper – workshop	II	pass (graded)	12	4		8		2	
4	Quantitative methods in research	II	pass (graded)	12	4		8		2	
5	Qualitative methods in research	II	pass (graded)	12	4	8			2	
	Total mandatory courses for Food and Nutrition Technology			**112**	**68**	**16**	**28**		**20**	
	Elective courses developing professional skills (related to *metodyka* and specialist)									
1	Elective course	III-VI	pass (graded)	8					1	8 elective courses, each lasting 8 hours and giving 1 ECTS. The type of class activity will be defined by a lecturer. It is required to obtain 8 ECTS, which may be recognized on the basis of a certificate confirming the number of ECTS achieved by participation, without limitation, in a doctoral seminar,
2	Elective course	III-VI	pass (graded)	8					1	
3	Elective course	III-VI	pass (graded)	8					1	
4	Elective course	III-VI	pass (graded)	8					1	
5	Elective course	III-VI	pass (graded)	8					1	
6	Elective course	III-VI	pass (graded)	8					1	
7	Elective course	III-VI	pass (graded)	8					1	

8	Elective course	III-VI	pass (graded)	8					1	workshops, courses or Summer School classes "
	Total courses developing professional skills			**64**					**8**	

No.	Course name	Semester	Form of a pass*	No. of hours	No. of hours in a semester				No. of ECTS	Remarks
					W[1]	ĆW[2]	ĆW-k[3]	S[4]		
	Internship									
1	Internship **	I-VIII	pass	240		30			16	60 hours per academic year in the form of conducting classes by a doctoral student on their own or participating in conducting classes, in accordance with the regulations in place at the University
	Total internship			**240**		30			**16**	
	Seminars and active forms of disseminating research results									
1	Doctoral seminar	I-VIII	zal.	**64**				**8**	**16**	
2	Open doctoral session	II, III, V, VII	zal.	**96**				**24**	**8**	-
	Total seminar			**160**				**32**	**24**	
	Total number of hours for mandatory and elective courses			**176**					**28**	
	Total number of hours for mandatory and elective courses, and seminars			**336**					52	
	Total number of hours			**576**					68	

[1] W – lecture, [2] ĆW – tutorials, [3] ĆW-k – computer lab, [4] S – seminar

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*pass – assessment on a pass/fail basis,
pass (graded) – grade based assessment

** Internship: 24 hours of classes conducted by doctoral students on their own and 36 hours of participation in conducting classes during the first year of education; 48 hours of classes conducted on their own and 12 hours of participation in conducting classes during the second, third and fourth year of education at the School.

SENATE

RESOLUTION NO. R.0000.5.2023

adopted by the SENATE of
the WROCLAW UNIVERSITY OF ECONOMICS AND BUSINESS

on 19 January 2023

regarding

the approval of the curriculum at the Doctoral School of the Wroclaw University of Economics and Business for doctoral students starting their education in the academic year 2023/2024

Acting pursuant to Art. 28.1.12 of the Act of 20 July 2018, Law on Higher Education and Science (Dz. U. /Journal of Laws/ 2020, item 574 as amended), the Senate resolves as follows:

§ 1

The curriculum at the Doctoral School of the Wroclaw University of Economics and Business for doctoral students starting their education in the academic year 2023/2024 will be as described in the attachment hereto.

§2

The resolution will come into effect on the day of its adoption.

Rector

Prof. Andrzej Kaleta, PhD, Habil.

SENATE

Attachment No. 1 to Resolution No. R.0000.5.2023 adopted by the Senate on 19 January 2023

CURRICULUM OF THE DOCTORAL SCHOOL OF THE WROCLAW UNIVERSITY OF ECONOMICS AND BUSINESS

I. General characteristics and objectives of the curriculum

The completion of the curriculum at the Doctoral School will lead to the achievement of the learning outcomes for level 8 qualifications, according to the Polish Qualifications Framework, defined pursuant to the Act of 22 December 2015, on the Integrated Qualifications System (consolidated act, Dz. U. /Journal of Laws/ of 2020, item 226), and the regulations issued on the basis of Art. 7.3 thereof.
The principal objective of educating at the Doctoral School is to enable a doctoral student to write and submit a doctoral dissertation and to prepare the doctoral student to obtain a doctoral degree on this basis. The main objectives of educating at the Doctor School include:

a. preparing doctoral students to perform research, research and development, and teaching functions;
b. gaining by doctoral students the ability to make use of global scientific achievements, identify and solve research problems, plan and conduct research, and compile research outcomes in the form of patents, publications or presentations during scientific congresses;
c. gaining by doctoral students high research competence and scientific self-reliance;
d. preparing doctoral students to plan their scientific development on their own and to take on challenges in the professional and public spheres, taking account of ethical considerations and responsibility, in compliance with the European Charter for Researchers;
e. preparing doctoral students to take part in the exchange of scientific experience and ideas, also in the international environment.

The Doctoral School supports doctoral students' mobility and establishing international contacts by enabling doctoral students to take part in international exchange programmes and international conferences.
The School offers curricula for different paths within the specified academic disciplines.

II. Initial requirements – profile of a candidate

A candidate holding a (professional title) master degree or master of science degree, engineer, or an equivalent thereof, may apply for admission to the Doctoral School.
In exceptional cases, justified by the highest quality of academic achievements, the Doctoral School may admit a first cycle studies graduate or a student who has completed the third year of long-cycle studies, including a student who is a beneficiary of the "Diamond Grant" programme. The candidate's academic achievements will be assessed by the recruitment commission.

The candidate applying for admission to the Doctoral School should be able to demonstrate competence and academic achievements enabling the candidate to enter education at level 8 of the

Polish Qualifications Framework in the following academic disciplines: Economics and Finance, Management and Quality Science, and Food and Nutrition Technology.

III. Description of the expected learning outcomes

1. The description of the expected learning outcomes takes account of the second stage descriptors for qualifications at level 8 of the Polish Qualifications Framework (PQF), defined in the Regulation of the Minister for Science and Higher Education of 14 November 2018, on the Second Stage Descriptors of Learning Outcomes for Qualifications at Levels 6-8 of the Polish Qualifications Framework (Dz. U. of 2018, item 2218).
2. The learning outcomes apply to the following academic disciplines:
   a) Economics and Finance (field of social science),
   b) Management and Quality Science (field of social science),
   c) Food and Nutrition Technology (field of agricultural science).
3. The learning outcomes for the curriculum at the Doctoral School; explaining the meaning of the symbols:
   a) P8S – descriptors of the learning outcomes for level 8;
   b) WG (after an underscore) – knowledge category, scope and depth of understanding / completeness of the cognitive perspective and dependencies;
   c) WK (after an underscore) – knowledge category, context / conditions, effects;
   d) UW (after an underscore) – skills category, using knowledge / solving problems and carrying out tasks;
   e) UK (after an underscore) – skills category, communication / understanding and formulating statements, disseminating knowledge in the academic community;
   f) UO (after an underscore) – skills category, organizing work / planning and teamwork;
   g) UU (after an underscore) – skills category, learning / planning personal development and the development of others;
   h) KK (after an underscore) – social competence category, evaluation / critical approach;
   i) KO (after an underscore) – social competence category, responsibility / fulfilling social obligations and acting in the public interest;
   j) KR (after an underscore) – social competence category, professional role / autonomy and development of an ethos.

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No. of learning outcome	Learning outcome	Code of learning outcome for qualifications at level 8 of PQF
Knowledge (knows and understands):		
K_W01	Knows and understands the world's academic and creative achievements relating to the disciplines taught at the Doctoral School: Economics and Finance, Management and Quality Science, and Food and Nutrition Technology, as well as their resulting implications for practice	P8S_WG P8S_WK
K_W02	Knows and understands to the extent making it possible to revise the existing paradigms – the world's achievements, including the theoretical foundations and general problems, as well as selected general and specific problems, including the methodology of science, relevant for social science (for the academic discipline of Economics and Finance, and Management and Quality Science); Food and Nutrition Technology	P8S_WG
K_W03	Knows and understands the main development trends for the academic discipline of Economics and Finance, Management and Quality Science/Food and Nutrition Technology	P8S_WG
K_W04	Knows and understands the economic, legal and other essential conditions of conducting research	P8S_WG
K_W05	Knows and understands the fundamental social and economic dilemmas of modern civilization	P8S_WK
K_W06	Knows and understands the rules of disseminating the results of research, also in the open access mode, and the basic rules of transferring knowledge to the economic and social spheres, including the basic rules of commercializing the results of research and related know-how	P8S_WK P8S_WG

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Skills (is able to):		
K_U01	Is able to analyse and innovatively synthetize academic and creative achievements to identify and solve problems related to research and to innovative and creative activity; make new contributions to such achievements, which includes defining the objective and subject of research, formulating research hypotheses, creatively employing and developing research methods, techniques and tools, appropriate for conducted research, and drawing conclusions based on the results of research	P8S_UW
K_U02	Is able to plan their personal development on their own and to inspire the development of others	P8S_UU
K_U03	Is able to take part in the exchange of experience and ideas, also in the international environment	P8S_UK
K_U04	Is able to use the knowledge of different fields of science or arts to creatively identify, formulate and innovatively solve complex problems or carry out research tasks, which includes, without limitation, defining the objective and subject of research, formulating research hypotheses, developing research methods, techniques and tools, and employing them in a creative way, and drawing conclusions based on the results of research	P8S_UW
K_U05	Is able to transfer the results of research to the economic and social spheres	P8S_UW
K_U06	Is able to disseminate the results of research, initiate debates and participate in the academic discourse, also in the international environment	P8S_UK
K_U07	Is able to plan and carry out research or creative tasks, both individually and in a team, also in the international environment	P8S_UO

	Social competence (is ready to):	
K_K01	Is ready to conduct autonomous research contributing to the existing academic and creative achievements, take on challenges in the professional and public spheres, taking account of their ethical considerations and responsibility for their results, and develop standards for the proper conduct in such situations	P8U_KK
K_K02	Is ready to take a critical approach to the evaluation of achievements in their academic discipline and of their own contribution to the development of this discipline	P8S_KK
K_K03	Is ready to recognize the importance of knowledge in solving cognitive and practical problems	P8S_KK
K_K04	Is ready to fulfil the social obligations of researchers and artists and to initiate activities in the public interest	P8S_KR, P8S_KO
K_K05	Is ready to think and act in an entrepreneurial and innovative manner	P8_KR
K_K06	Is ready to maintain and develop the ethos of scholarly and creative communities, which includes conducting research autonomously, respecting the rule that the results of research belong to the public domain, taking account of intellectual property protection	P8S_KR

IV. Verification of learning outcomes

When the cycle of classes for each course specified in the curriculum has been finished, the learning outcomes gained by doctoral students will be verified during examinations, passes or graded passes. The form of a pass for a given course is defined by the schedule of implementing the curriculum. The doctoral students shall be informed about the method of administering an exam or pass by the lecturer running the course, before the cycle of classes starts.
Examinations and passes may be in the form of written or oral tests of knowledge and skills; a pass for classes may be given on the basis of written assignments (e.g. projects, essays, multimedia projects or presentations) prepared by the doctoral students on the given topic. The learning outcomes achieved by the doctoral student will be verified also by evaluating:

1) doctoral student's oral presentations during the annual open doctoral session; it will consist in presenting research hypotheses, methods and results; the doctoral student's presentation will be evaluated by the Dean of the School;
2) implementation of the Individual Research Plan, including the schedule for preparing the doctoral dissertation, which will be evaluated by the evaluation commission in the form of a midterm assessment in the middle of the period of study; the result of midterm assessment

may be positive or negative, and the result of assessment, including its justification, shall be open.

V. Schedule of implementing the curriculum

The schedule of implementing the curriculum at the Doctoral School shall specify:

a. mandatory and elective courses to be completed, including the number of class hours;
b. number of internship hours;
c. allocation of mandatory and elective courses and internship to respective semesters of education;
d. types of class activity and requirements for passing courses and internship.

The total number of hours specified in the schedule (year I-IV, semesters I-VIII):

a. classes taught by a lecturer – 336 hours, including 112 hours of mandatory classes and 224 hours of elective classes;
b. internship – 240 hours, i.e. 60 hours in each year of education, including 24 hours of classes conducted by doctoral students on their own and 36 hours of participation in conducting classes during the first year of education; 48 hours of classes conducted on their own and 12 hours of participation in conducting classes during the second, third and fourth year of education at the School.

Uniwersytet Ekonomiczny
we Wrocławiu

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Curriculum at the Doctoral School of the Wroclaw University of Economics and Business, comprising the following disciplines: Economics and Finance, Management and Quality Science, and Food and Nutrition Technology for doctoral students starting their education in the academic year 2022/2023										
No.	**Course name**	**Semester**	**Form of a pass***	**No. of hours**	**No. of hours in a semester**				**No. of ECTS**	**Remarks**
					W[1]	**ĆW[2]**	**ĆW-k[3]**	**S[4]**		
	Basic mandatory courses									
1	Occupational Health and Safety	I	pass	4	4				0	Basic courses run at the Doctoral School mandatory for all doctoral students
2	*Metodyka*[1] and methodology of research	I	pass (graded)	8	8				2	
3	Procedure for awarding a doctoral degree in academic disciplines	I	pass	4	4				1	
4	Literature review (types and *metodyka*) – workshop	I	pass (graded)	8	4		4		2	
5	Testing hypotheses in the research process	II	pass (graded)	8	4		4		2	
6	*Metodyka* of teaching in a higher education institution	I	pass	4	4				1	
7	Philosophy of science	I	pass	8	8				1	
8	Research Ethics	II	pass	8	8				1	
	Total mandatory courses for all disciplines			**52**	**44**		**8**		**10**	
1	Research Problems in Economics and Finance	I	pass (graded)	16	16				2	Basic courses run at the Doctoral School mandatory for doctoral students of the Economics and Finance discipline
2	Acquiring Research Grants: Sources of Funding for Scientific Research in Social Sciences	II	pass (graded)	8	4		4		2	
3	Preparing an academic paper – workshop	II	pass (graded)	12	4		8		2	
4	Quantitative methods in research	II	pass (graded)	12	4		8		2	
5	Qualitative methods in research	II	pass (graded)	12	4	8			2	
	Total mandatory courses for Economics and Finance			**112**	**76**	**8**	**28**		**20**	

[1] standardized approach making use of a set of methods; general rules of operation

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1	Research Problems in Management and Quality Sciences	I	pass (graded)	16	16				2	Basic courses run at the Doctoral School mandatory for doctoral students of the Management and Quality Science discipline
2	Acquiring Research Grants: Sources of Funding for Scientific Research in Social Sciences	II	pass (graded)	8	4		4		2	
3	Preparing an academic paper – workshop	II	pass (graded)	12	4		8		2	
4	Quantitative methods in research	II	pass (graded)	12	4		8		2	
5	Qualitative methods in research	II	pass (graded)	12	4	8			2	
	Total mandatory courses for Management and Quality Science			**112**	**76**	**8**	**28**		**20**	
1	Research Problems in Management and Quality Sciences	I	pass (graded)	12	4	8			2	Basic courses run at the Doctoral School mandatory for doctoral students of the Food and Nutrition Technology discipline
2	Acquiring Research Grants: Sources of Research Funding	II	pass (graded)	12	8		4		2	
3	Preparing an academic paper – workshop	II	pass (graded)	12	4		8		2	
4	Quantitative methods in research	II	pass (graded)	12	4		8		2	
5	Qualitative methods in research	II	pass (graded)	12	4	8			2	
	Total mandatory courses for Food and Nutrition Technology			**112**	**68**	**16**	**28**		**20**	
Elective courses developing professional skills (related to *metodyka* and specialist)										
1	Elective course	III-VI	pass (graded)	8					1	8 elective courses, each lasting 8 hours and giving 1 ECTS. The type of class activity will be defined by a lecturer. It is required to obtain 8 ECTS, which may be recognized on the basis of a certificate confirming the number of ECTS achieved by participation, without limitation, in a doctoral seminar, workshops, courses or Summer School classes
2	Elective course	III-VI	pass (graded)	8					1	
3	Elective course	III-VI	pass (graded)	8					1	
4	Elective course	III-VI	pass (graded)	8					1	
5	Elective course	III-VI	pass (graded)	8					1	
6	Elective course	III-VI	pass (graded)	8					1	
7	Elective course	III-VI	pass (graded)	8					1	
8	Elective course	III-VI	pass (graded)	8					1	

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	Total courses developing professional skills			**64**					**8**	

Lp.	Nazwa przedmiotu	Semestr	Forma zaliczenia	Liczba godzin	Wymiar godzin w semestrze				Punkty	Uwagi
					W	ĆW	ĆW-k	S		
Internship										
1	Internship **	I-VIII	zal.	240		30			16	60 hours per academic year in the form of conducting classes by a doctoral student on their own or participating in conducting classes, in accordance with the regulations in place at the University
	Total internship			**240**		30			**16**	
Seminars and active forms of disseminating research results										
1	Doctoral seminar	I-VIII	pass	**64**				**8**	**16**	
2	Open doctoral session	II, III, V, VII	pass	**96**				**24**	**8**	-
	Total seminar			**160**				**32**	**24**	
	Total number of hours for mandatory and elective courses			**176**					**28**	
	Total number of hours for mandatory and elective courses, and seminars			**336**					**52**	
	Total number of hours			**576**					**68**	

[1] W – lecture, [2] ĆW – tutorials, [3] ĆW-k – computer lab, [4] S – seminar

*pass – assessment on a pass/fail basis, pass (graded) – grade based assessment

** Internship: 24 hours of classes conducted by doctoral students on their own and 36 hours of participation in conducting classes during the first year of education; 48 hours of classes conducted on their own and 12 hours of participation in conducting classes during the second, third and fourth year of education at the School.

SENATE

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SENATE

RESOLUTION NO. R.0000.84.2023

adopted by the SENATE of the WROCLAW UNIVERSITY OF ECONOMICS AND BUSINESS

on 18 December 2023

regarding

the approval of the curriculum at the Doctoral School of the Wroclaw University of Economics and Business for doctoral students starting their education in the academic year 2024/2025

Acting pursuant to Art. 28.1.12 of the Act of 20 July 2018, Law on Higher Education and Science (Dz. U. /Journal of Laws/ 2020, item 85 as amended), the Senate resolves as follows:

§ 1

The curriculum at the Doctoral School of the Wroclaw University of Economics and Business for doctoral students starting their education in the academic year 2024/2025 will be as described in the attachment hereto.

§2

The resolution will come into effect on the day of its adoption.

Rector

Prof. Andrzej Kaleta, PhD, Habil.

SENATE

Attachment No. 1 to Resolution No. R.0000.84.2023 adopted by the Senate on 18 November 2023

CURRICULUM OF THE DOCTORAL SCHOOL OF THE WROCLAW UNIVERSITY OF ECONOMICS AND BUSINESS

I. General characteristics and objectives of the curriculum

The completion of the curriculum at the Doctoral School will lead to the achievement of the learning outcomes for level 8 qualifications, according to the Polish Qualifications Framework, defined pursuant to the Act of 22 December 2015, on the Integrated Qualifications System (consolidated act, Dz. U. /Journal of Laws/ of 2020, item 226), and the regulations issued on the basis of Art. 7.3 thereof.
The principal objective of educating at the Doctoral School is to enable a doctoral student to write and submit a doctoral dissertation and to prepare the doctoral student to obtain a doctoral degree on this basis. The main objectives of educating at the Doctor School include:

a. preparing doctoral students to perform research, research and development, and teaching functions;
b. gaining by doctoral students the ability to make use of global scientific achievements, identify and solve research problems, plan and conduct research, and compile research outcomes in the form of patents, publications or presentations during scientific congresses;
c. gaining by doctoral students high research competence and scientific self-reliance;
d. preparing doctoral students to plan their scientific development on their own and to take on challenges in the professional and public spheres, taking account of ethical considerations and responsibility, in compliance with the European Charter for Researchers;
e. preparing doctoral students to take part in the exchange of scientific experience and ideas, also in the international environment.

The Doctoral School supports doctoral students' mobility and establishing international contacts by enabling doctoral students to take part in international exchange programmes and international conferences.
The School offers curricula for different paths within the specified academic disciplines.

II. Initial requirements – profile of a candidate

A candidate holding a (professional title) master degree or master of science degree, engineer, or an equivalent thereof, may apply for admission to the Doctoral School.
In exceptional cases, justified by the highest quality of academic achievements, the Doctoral School may admit a first cycle studies graduate or a student who has completed the third year of long-cycle studies, including a student who is a beneficiary of the "Diamond Grant" programme. The candidate's academic achievements will be assessed by the recruitment commission.

The candidate applying for admission to the Doctoral School should be able to demonstrate

competence and academic achievements enabling the candidate to enter education at level 8 of the Polish Qualifications Framework in the following academic disciplines: Economics and Finance, Management and Quality Science, and Food and Nutrition Technology.

III. Description of the expected learning outcomes

1. The description of the expected learning outcomes takes account of the second stage descriptors for qualifications at level 8 of the Polish Qualifications Framework (PQF), defined in the Regulation of the Minister for Science and Higher Education of 14 November 2018, on the Second Stage Descriptors of Learning Outcomes for Qualifications at Levels 6-8 of the Polish Qualifications Framework (Dz. U. of 2018, item 2218).
2. The learning outcomes apply to the following academic disciplines:
   a) Economics and Finance (field of social science),
   b) Management and Quality Science (field of social science),
   c) Food and Nutrition Technology (field of agricultural science).
3. The learning outcomes for the curriculum at the Doctoral School; explaining the meaning of the symbols:
   a) P8S – descriptors of the learning outcomes for level 8;
   b) WG (after an underscore) – knowledge category, scope and depth of understanding / completeness of the cognitive perspective and dependencies;
   c) WK (after an underscore) – knowledge category, context / conditions, effects;
   d) UW (after an underscore) – skills category, using knowledge / solving problems and carrying out tasks;
   e) UK (after an underscore) – skills category, communication / understanding and formulating statements, disseminating knowledge in the academic community;
   f) UO (after an underscore) – skills category, organizing work / planning and teamwork;
   g) UU (after an underscore) – skills category, learning / planning personal development and the development of others;
   h) KK (after an underscore) – social competence category, evaluation / critical approach;
   i) KO (after an underscore) – social competence category, responsibility / fulfilling social obligations and acting in the public interest;
   j) KR (after an underscore) – social competence category, professional role / autonomy and development of an ethos.

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No. of learning outcome	Learning outcome	Code of learning outcome for qualifications at level 8 of PQF
Knowledge (knows and understands):		
K_W01	Knows and understands the world's academic and creative achievements relating to the disciplines taught at the Doctoral School: Economics and Finance, Management and Quality Science, and Food and Nutrition Technology, as well as their resulting implications for practice	P8S_WG P8S_WK
K_W02	Knows and understands to the extent making it possible to revise the existing paradigms – the world's achievements, including the theoretical foundations and general problems, as well as selected general and specific problems, including the methodology of science, relevant for social science (for the academic discipline of Economics and Finance, and Management and Quality Science); Food and Nutrition Technology	P8S_WG
K_W03	Knows and understands the main development trends for the academic discipline of Economics and Finance, Management and Quality Science/Food and Nutrition Technology	P8S_WG
K_W04	Knows and understands the economic, legal and other essential conditions of conducting research	P8S_WG
K_W05	Knows and understands the fundamental social and economic dilemmas of modern civilization	P8S_WK
K_W06	Knows and understands the rules of disseminating the results of research, also in the open access mode, and the basic rules of transferring knowledge to the economic and social spheres, including the basic rules of commercializing the results of research and related know-how	P8S_WK P8S_WG

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Skills (is able to):		
K_U01	Is able to analyse and innovatively synthetize academic and creative achievements to identify and solve problems related to research and to innovative and creative activity; make new contributions to such achievements, which includes defining the objective and subject of research, formulating research hypotheses, creatively employing and developing research methods, techniques and tools, appropriate for conducted research, and drawing conclusions based on the results of research	P8S_UW
K_U02	Is able to plan their personal development on their own and to inspire the development of others	P8S_UU
K_U03	Is able to take part in the exchange of experience and ideas, also in the international environment	P8S_UK
K_U04	Is able to use the knowledge of different fields of science or arts to creatively identify, formulate and innovatively solve complex problems or carry out research tasks, which includes, without limitation, defining the objective and subject of research, formulating research hypotheses, developing research methods, techniques and tools, and employing them in a creative way, and drawing conclusions based on the results of research	P8S_UW
K_U05	Is able to transfer the results of research to the economic and social spheres	P8S_UW
K_U06	Is able to disseminate the results of research, initiate debates and participate in the academic discourse, also in the international environment	P8S_UK
K_U07	Is able to plan and carry out research or creative tasks, both individually and in a team, also in the international environment	P8S_UO

	Social competence (is ready to):	
K_K01	Is ready to conduct autonomous research contributing to the existing academic and creative achievements, take on challenges in the professional and public spheres, taking account of their ethical considerations and responsibility for their results, and develop standards for the proper conduct in such situations	P8U_KK
K_K02	Is ready to take a critical approach to the evaluation of achievements in their academic discipline and of their own contribution to the development of this discipline	P8S_KK
K_K03	Is ready to recognize the importance of knowledge in solving cognitive and practical problems	P8S_KK
K_K04	Is ready to fulfil the social obligations of researchers and artists and to initiate activities in the public interest	P8S_KR, P8S_KO
K_K05	Is ready to think and act in an entrepreneurial and innovative manner	P8_KR
K_K06	Is ready to maintain and develop the ethos of scholarly and creative communities, which includes conducting research autonomously, respecting the rule that the results of research belong to the public domain, taking account of intellectual property protection	P8S_KR

IV. Verification of learning outcomes

When the cycle of classes for each course specified in the curriculum has been finished, the learning outcomes gained by doctoral students will be verified during examinations, passes or graded passes. The form of a pass for a given course is defined by the schedule of implementing the curriculum. The doctoral students shall be informed about the method of administering an exam or pass by the lecturer running the course, before the cycle of classes starts.
Examinations and passes may be in the form of written or oral tests of knowledge and skills; a pass for classes may be given on the basis of written assignments (e.g. projects, essays, multimedia projects or presentations) prepared by the doctoral students on the given topic. The learning outcomes achieved by the doctoral student will be verified also by evaluating:

1) doctoral student's oral presentations during the annual open doctoral session; it will consist in presenting research hypotheses, methods and results; the doctoral student's presentation will be evaluated by the Dean of the School;
2) implementation of the Individual Research Plan, including the schedule for preparing the doctoral dissertation, which will be evaluated by the evaluation commission in the form of a midterm assessment in the middle of the period of study; the result of midterm assessment

may be positive or negative, and the result of assessment, including its justification, shall be open.

V. Schedule of implementing the curriculum

The schedule of implementing the curriculum at the Doctoral School shall specify:

a. mandatory and elective courses to be completed, including the number of class hours;
b. number of internship hours;
c. allocation of mandatory and elective courses and internship to respective semesters of education;
d. types of class activity and requirements for passing courses and internship.

The total number of hours specified in the schedule (year I-IV, semesters I-VIII):

a. classes taught by a lecturer – 336 hours, including 112 hours of mandatory classes and 224 hours of elective classes;
b. internship – 240 hours, i.e. 60 hours in each year of education, including 24 hours of classes conducted by doctoral students on their own and 36 hours of participation in conducting classes during the first year of education; 48 hours of classes conducted on their own and 12 hours of participation in conducting classes during the second, third and fourth year of education at the School.

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we Wrocławiu

SENATE

Curriculum at the Doctoral School of the Wroclaw University of Economics and Business, comprising the following disciplines: Economics and Finance, Management and Quality Science, and Food and Nutrition Technology for doctoral students starting their education in the academic year 2024/2025										
No.	**Course name**	**Semester**	**Form of a pass***	**No. of hours**	**No. of hours in a semester**				**No. of ECTS**	**Remarks**
					W[1]	**ĆW[2]**	**ĆW-k[3]**	**S[4]**		
	Basic mandatory courses									
1	Occupational Health and Safety	I	pass	4	4				0	Basic courses run at the Doctoral School mandatory for all doctoral students
2	*Metodyka*[1] and methodology of research	I	pass (graded)	8	8				2	
3	Procedure for awarding a doctoral degree in academic disciplines	I	pass	4	4				1	
4	Literature review (types and *metodyka*) – workshop	I	pass (graded)	8	4		4		2	
5	Testing hypotheses in the research process	II	pass (graded)	8	4		4		2	
6	*Metodyka* of teaching in a higher education institution	I	pass	4	4				1	
7	Philosophy of science	I	pass	8	8				1	
8	Research Ethics	II	pass	8	8				1	
9	Researcher's digital tools	I	pass (graded)	8	8				1	
10	Acquiring research grants. Sources of financing research	II	pass (graded)	12	4		8		2	
	Total mandatory courses for all disciplines			**72**	**56**		**16**		**13**	
1	Research Problems in Economics and Finance	I	pass (graded)	8	4		4		2	Basic courses run at the Doctoral School mandatory for doctoral students of the Economics and Finance discipline
2	Preparing an academic paper – workshop	II	pass (graded)	12	4		8		2	
3	Quantitative methods in research	II	pass (graded)	12	4		8		2	
4	Qualitative methods in research	II	pass (graded)	12	4	8			2	
	Total mandatory courses for Economics and Finance			**116**	**72**	**8**	**36**		**21**	

[1] standardized approach making use of a set of methods; general rules of operation

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1	Research Problems in Management and Quality Science	I	pass (graded)	8	4		4		2	
2	Preparing an academic paper – workshop	II	pass (graded)	12	4		8		2	Basic courses run at the Doctoral School mandatory for doctoral students of the Management and Quality Science discipline
3	Quantitative methods in research	II	pass (graded)	12	4		8		2	
4	Qualitative methods in research	II	pass (graded)	12	4	8			2	
	Total mandatory courses for Management and Quality Science			**116**	**72**	**8**	**36**		**21**	
1	Research Problems in Food and Nutrition Technology	I	pass (graded)	8	4		4		2	Basic courses run at the Doctoral School mandatory for doctoral students of the Food and Nutrition Technology discipline
2	Preparing an academic paper – workshop	II	pass (graded)	12	4		8		2	
3	Quantitative methods in research	II	pass (graded)	12	4		8		2	
4	Qualitative methods in research	II	pass (graded)	12	4	8			2	
	Total mandatory courses for Food and Nutrition Technology			**116**	**72**	**8**	**36**		**21**	
	Elective courses developing professional skills (related to *metodyka* and specialist)									
1	Elective course	III-VI	pass (graded)	8					1	8 elective courses, each lasting 8 hours and giving 1 ECTS. The type of class activity will be defined by a lecturer. It is required to obtain 8 ECTS, which may be recognized on the basis of a certificate confirming the number of ECTS achieved by participation, without limitation, in a doctoral seminar, workshops, courses or Summer School classes
2	Elective course	III-VI	pass (graded)	8					1	
3	Elective course	III-VI	pass (graded)	8					1	
4	Elective course	III-VI	pass (graded)	8					1	
5	Elective course	III-VI	pass (graded)	8					1	
6	Elective course	III-VI	pass (graded)	8					1	
7	Elective course	III-VI	pass (graded)	8					1	
8	Elective course	III-VI	pass (graded)	8					1	
	Total courses developing professional skills			**64**					**8**	

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No.	Course name	Semester	Form of a pass	No. of hours	No. of hours in a semester				No. of ECTS	Remarks
					W[1]	ĆW[2]	ĆW-k[3]	S[4]		
Internship										
1	Internship **	I-VIII	pass	240					16	60 hours per academic year in the form of conducting classes by a doctoral student on their own or participating in conducting classes, in accordance with the regulations in place at the University
	Total internship			**240**					**16**	
Seminars and active forms of disseminating research results										
1	Doctoral seminar	I-VIII	pass	**64**				**8**	**16**	
2	Open doctoral session	II, III, V, VII	pass	**96**				**24**	**8**	
	Total seminar			**160**				**32**	**24**	
	Total number of hours for mandatory and elective courses			**180**					**29**	
	Total number of hours for mandatory and elective courses, and seminars			**340**					**53**	
	Total number of hours			**580**					69	

[1] W – lecture, [2] ĆW – tutorials, [3] ĆW-k – computer lab, [4] S – seminar

*pass – assessment on a pass/fail basis, pass (graded) – grade based assessment

** Internship: 24 hours of classes conducted by doctoral students on their own and 36 hours of participation in conducting classes during the first year of education; 48 hours of classes conducted on their own and 12 hours of participation in conducting classes during the second, third and fourth year of education at the School.

SENATE

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REPORT ON THE QUALITY OF EDUCATION AT THE DOCTORAL SCHOOL OF THE UNIVERSITY OF ECONOMICS IN WROCŁAW IN THE ACADEMIC YEAR 2022/2023

According to the adopted Educational Quality Management System at the Doctoral School of the Wrocław University of Economics and Business, the tasks of the Office of the Doctoral School include analysing and evaluating all elements of the Educational Quality Assurance System at the School, in particular the results of surveys evaluating lecturers, the course of education and the teaching infrastructure at the School, and preparing a report by the end of the calendar year on the quality of education at the School in the completed academic year. The progress of doctoral students is evaluated on the basis of the Doctoral Student's Record of Achievements submitted by them at the end of the academic year. The quality of the staff from the perspective of experience, publication activity and supervisor experience is checked by the Dean of the Doctoral School in consultation with the Council of the Doctoral School.

This document is the report resulting from the analysis of these elements. It takes into account the following legal acts:

- RESOLUTION NO. R.0000.69.2021 adopted by the SENATE of the WROCŁAW UNIVERSITY OF ECONOMICS AND BUSINESS on 16 December 2021 *regarding* the establishment of the rules of recruitment to the Doctoral School of the Wrocław University of Economics and Business for the first year of education in the academic year 2022/2023.
- RESOLUTION NO. R.0000.70.2021 adopted by the SENATE of the WROCŁAW UNIVERSITY OF ECONOMICS AND BUSINESS on 16 December 2021 *regarding* the approval of the curriculum at the Doctoral School of the Wrocław University of Economics and Business for doctoral students starting their education in the academic year 2022/2023.
- RESOLUTION NO. R.0000.15.2022 adopted by the SENATE of the WROCŁAW UNIVERSITY OF ECONOMICS AND BUSINESS on 21 April 2022 *regarding* the passing of changes to the Regulations for the Doctoral School of the Wrocław University of Economics and Business.

I. QUALITY OF THE RECRUITMENT PROCESS

The goal of recruitment is always to attract highly motivated candidates and well prepared for training at the Doctoral School. At the initial stage, the Doctoral School seeks to provide the candidate - and the supervisor - with support to enable the preparation of a preliminary draft of an Individual Research Plan (IRP).

Thus, as in previous years, workshops on preparing an Individual Research Plan were conducted in the first semester. Candidates for supervisors in the Doctoral School - that is, employees wishing to become supervisors - were invited to the first series of workshops. They were held partly in three panels, according to the disciplines in which training in the Doctoral School is conducted, and concerned the preparation of a doctoral candidate in that field. Supervisors also attended these workshops, which made the discussion of cooperation with a doctoral student more interesting.

In the first semester (for the fourth time), a workshop on the preparation of an Individual Research Plan was also held for candidates for the Doctoral School - it was held, as always, in three groups by discipline, and in addition to listening to lecture and reviewing a presentation on the topic, candidates also had the opportunity to ask questions and participate in discussion.

Both meetings were held online, and were very popular. In 2023, recruitment was conducted according to the rules that were in effect in 2022 (RESOLUTION NO. R.0000.4.2021 adopted by the SENATE of the WROCŁAW UNIVERSITY OF ECONOMICS AND BUSINESS on 21 January 2021). They worked well before, indeed they allowed to attract a better group of candidates - more motivated and better prepared. Recruitment was a three-stage process, starting with an assessment of the initial draft of the Individual Research Plan.

In the same semester, an Open Day for Candidates to the Doctoral School of the Wrocław University of Economics and Business was also organized. As in previous years, the online formula was maintained to reach more candidates. The meeting attracted a lot of interest, and candidates asked a lot of questions about the recruitment process itself, the Industrial Doctorate, and the prospects for a career after obtaining a doctorate. This academic year, it was also attended by the supervisor of the Doctoral School, Prof. Krzysztof Jajuga, the representative of the Council of the Doctoral School, Prof. Jolanta Harasym, and the Vice-Rector for Research and Academic Personnel, Prof. Ewa Stańczyk-Hugiet (also a supervisor and lecturer at the Doctoral School) and the Vice-Rector for Accreditation and International Cooperation, Prof. Bogusława Drelich-Skulska (also a supervisor and lecturer at the Doctoral School).

In connection with the above meetings and the start of the recruitment process for candidates, the Doctoral School had previously undertaken promotional activities to reach out to candidates. For this purpose, cooperation was undertaken with the Business Cooperation Centre (preparation of flyers about the Industrial Doctorate, contact with the University's business environment), information was also published on a regular basis on the University's website and in the University's social media. Supervisors also made efforts to reach future graduates of master's degree programs conducted at the Wrocław University of Economics and Business with information about the functioning of the Doctoral School.

The School's website (www.sd.ue.wroc.pl), which provided full access to the rules and materials necessary to participate in the Doctoral School, was instrumental in disseminating information on recruitment to the School. The site's new layout allowed for the preparation of a better, clearer offer for applicants to the Doctoral School, giving them a better understanding of the various stages of recruitment and requirements.

As a result of the qualification process, 11 people were admitted in the 2022/2023 academic year (3rd edition) - including 3 under the Industrial Doctorate program.

		2022								
	DYSCIPLINE	No of candidates	University		Recruitment results		Successful from University		Unssuccesful from University	
			WUEB	other	Successful applicants	Unsuccessful applicants	WUEB	other	WUEB	Other
Candidates	E&F	7	5	2	3	4	2	1	2	2
Candidates	NoZiJ	13	11	2	8	5	8	0	3	2
		20			11	9				

For the fourth time, the Doctoral School took part in the recruitment for the Industrial Doctorate program. At the initial stage of recruitment, the selection committee rejected three projects. The Ministry approved the other three that were submitted. Recruitment for this program is handled by the Project Management Centre - the Office of the Doctoral School mediates the process, ensuring that the necessary documents are obtained from candidates. Candidates must also meet the conditions for other applicants to the Doctoral School (this ensures equal treatment of all applicants and an equal level of education in the future).

		2022								
	DYSCIPLINE	No of candidates	University		Recruitment results		Successful from University		Unssuccesful from University	
			WUEB	other	Successful applicants	Unsuccessful applicants	WUEB	other	WUEB	Other
Candidates for Industrial Doctorate	E&F	1			0	1	0	0	1	0
Candidates for Industrial Doctorate	NoZiJ	5	2	1	3	2	2	1	0	2
		6			3	3				

The method of conducting the recruitment process for the Doctoral School takes into account the needs of candidates who are persons with disabilities. The office of the Doctoral School and the room where the recruitment interviews were conducted meet the accessibility conditions for people with disabilities (ramp to the building, two elevators, etc.). If necessary, the recruitment interview could also be conducted remotely.

II. Creating curriculums and improving the education program

The curriculums and the forms of conducted classes and lectures are adapted to the scope of knowledge, competencies, and skills necessary to achieve the learning outcomes at the level of FP8. Courses enable the achievement of the assumed learning outcomes in the sphere of knowledge, competencies, and skills. They are a kind of tools that allow a doctoral student to prepare a dissertation effectively.

The curriculum for the academic year 2022/2023 is defined in RESOLUTION NO. R.0000.70.2021 adopted by the SENATE of the WROCŁAW UNIVERSITY OF ECONOMICS AND BUSINESS on 16 December 2021 *regarding* the approval of the curriculum at the Doctoral School of the Wrocław University of Economics and Business for doctoral students starting their education in the academic year 2022/202.

Implementation of the curriculum in the Doctoral School leads to the achievement of learning outcomes for qualifications at level 8 of the Polish Qualification Framework, defined on the basis of the Act of December 22, 2015, on the Integrated Qualification System (consolidated act: Dz. U. /Journal of Laws/ of 2020, item 226) and regulations issued on the basis of Art.7.3 of this Act.

The main objective of training in the Doctoral School is the preparation and submission of a doctoral dissertation by a doctoral student and the preparation of the doctoral student to obtain a doctoral

degree on the basis of the dissertation. The main objectives of training in the Doctoral School includes:

1. Preparing doctoral students to perform work of research, research and development, and teaching nature;
2. Acquiring by doctoral students the ability to use the world's scientific achievements, identify and solve research problems, plan and carry out scientific research, and develop their results in the form of patents, publications or presentations at scientific conventions;
3. The acquisition of high research competence and scientific independence by doctoral students;
4. Preparing doctoral students to independently plan their own scientific development and take up challenges in the professional and public sphere, taking into account their ethical dimension and responsibility, in accordance with the European Charter for Researchers;
5. Preparing doctoral students to participate in the exchange of experienceś scientific and ideas, including in an international environment.

The school offers pathway education programs in specific scientific disciplines.

The schedule for the implementation of the educational program at the Doctoral School is determined by:

1. Subjects pursued as compulsory and optional classes, along with the number of hours of classes;
2. The number of hours of professional practice;
3. Location of classes compulsory and optional, as well as professional practice in each semester of education;
4. Forms of teaching and crediting of classes and professional practice.

Total number of hours scheduled (year I-IV, semesters I-VIII):

1. Classes with the participation of an academic teacher - 336 hours, including 112 hours of classeś compulsory and 224 hours of classeś optional;
2. Professional traineeship - 240 hours, 60 hours in each year of training, including 24 hours of independent teaching and 36 hours of participation in teaching in the 1st year of training; 48

hours of independent teaching and 12 hours of participation in teaching annually in the 2nd, 3rd and 4th years of training at the School.

The educational program, along with other elements of education, is subject to the evaluation of doctoral students in an anonymous survey placed in the USOS system - results of the survey are presented in **Appendix No. 1** of this report. Doctoral students expressed satisfaction with the educational program: "The Doctoral School provides great opportunities for development, both in the scientific and didactic areas." The average rating of the educational program was also high.

Doctoral students reported the need for a "Compendium of a Young Scientist" - there is a "Researcher's Essentials" on the website, doctoral students were informed:

https://uewrc.sharepoint.com/sites/ResearchPoint/SitePages/niezbednik%20badacza.aspx

The results of the survey were analysed by the Dean of the Doctoral School.

III. Syllabuses of studies

The authors of the syllabuses are the instructors of a particular subject at the School. Syllabuses are uploaded to the KRK Syllabus (Sylabus KRK) system at the beginning of the current academic year, which is the primary source of information on educational programs across universities, including the School. They are reviewed and approved by the Dean before the beginning of the semester in which the subject is taught. The authors of the syllabuses are asked to update them each year well in advance of the start of classes for a given semester. When evaluating the syllabuses, the Dean takes into account the compatibility of the subject effects with the course effects, course topics, assessment criteria, timeliness, and compatibility with the subject of the literature provided course topics, etc.

Syllabuses provide doctoral students (as well as interested candidates) with information on the content of the course, the competencies to be obtained, and the rules for passing.

IV. Method of verification of learning outcomes

The standards determining the assessment procedures for doctoral students are intended to ensure the achievement of qualifications at level 8 of the Polish Qualification Framework. Verification of these effects is carried out by instructors on an ongoing basis during the academic year and at the end of the course.

The form of verification of the passing of a course is determined by the timetable for the implementation of the educational program (basic session and correction session). The academic teacher teaching the course informed the doctoral students about the method of conducting the examination or credit before the beginning of the course cycle, information on the principles of passing was also placed in the syllabuses of the respective subjects.

Part of the verification of the learning outcomes achieved by the doctoral student is also the evaluation of the doctoral student's speeches during the annual open doctoral session.

The implementation of the Individual Research Plan, including the preparation of the dissertation schedule, is also verified and carried out by a Midterm Assessment Committee in the form of a Midterm Assessment after two years of education.

Doctoral students participating in the Industrial Doctorate program are further required to submit a report, which is submitted to the Ministry of Education and Science.

Full documentation of the verification of learning outcomes is kept in accordance with Polish and European data protection regulations in the Office of the Doctoral School.

V. MONITORING THE EFFECTIVENESS OF THE ACHIEVEMENT OF LEARNING OUTCOMES

Course instructors monitor learning outcomes on an ongoing basis to ensure that the best results are achieved in the field. The final verification of learning outcomes is carried out after the end of the course cycle for a given subject, and the grades obtained in the process of this verification are entered into the University Student Service System (USOS) during the ongoing examination session - a doctoral student can therefore become familiar with them on an ongoing basis and, in case of doubt, appeal the matter to the instructor or to the Dean (there have been no cases of such appeals yet).

These evaluations are known to the Dean so that he can determine the level of education of the entire group and can also monitor the level of education in the School on an ongoing basis. Summaries of the evaluations obtained by trainees in the Doctoral School in the academic year 2022-2023 are included in **Appendix 2** to the report.

Part of the verification of the learning outcomes achieved by the doctoral student is also the evaluation of the doctoral student's presentations at the annual open doctoral session Speaking at the session involves the presentation of research hypotheses, research methods and results, as well as any additional achievements. In 2023, the session, as every year, was attended by all doctoral students of a particular edition and discipline, as well as their supervisors and members of the

academic community. After the doctoral student's presentation, all participants took part in the discussion. Often, the comments of other supervisors or colleagues from the year allowed the author of the future doctoral thesis to gain a broader perspective on the topic under development, and the exchange of experiences between doctoral students was also valuable. The discussion of each presentation is led by a moderator who is a professor in the discipline in which the doctoral student is preparing the dissertation. The discussion format also allows the doctoral student to collect comments on his/her speech and address them in a constructive discussion. The evaluation of the doctoral student's speech is made by the Dean or the professor leading the session.

At the end of each academic year, doctoral students submit the Doctoral Student's Record of Achievements to the Office of the Doctoral School, in which they record all their achievements. This includes documentation of the stages of work on the Individual Research Plan and participation in conferences and publications.

In addition, doctoral students must prove the number of professional traineeship hours they have completed - for this purpose, they submit internship cards confirmed by the person responsible for the classes in which they participated.

The educational results of doctoral students whose training is carried out within the framework of the Industrial Doctorate program are also monitored. After the end of a given academic year, they prepared an annual report on their achievements. After approval by the supervisor/supervisors and assistant supervisor, all reports were submitted to the Ministry of Education and Science. The opinions of the supervisor/supervisors and assistant supervisor on the progress of the doctorate were also included. In 2023, the Ministry did not accept one report for 2022. As a result, the doctoral student applied to be allowed to continue his education at the Doctoral School. After consulting with the supervisor and making modifications to the thesis, the Dean agreed.

Monitoring of the effectiveness of the achievement of learning outcomes is carried out on the basis of the Individual Research Plan. All doctoral students beginning their education have submitted Individual Research Plans prepared in close cooperation with their supervisors within the expected timeframe (12 months from the start of their training). The implementation of the Individual Research Plan was evaluated by the Midterm Assessment Committee. In 2022, out of 10 doctoral students undergoing training at the Doctoral School, all of them received a positive evaluation result and moved on to the next semester.

Overall, in the 2022/2023 academic year, 5 people dropped out of training at the Doctoral School - for personal reasons (professional work, inability to return from remote teaching, changes due to change of employer, family reasons) (2 - 2nd edition, 2 - 3rd edition, 1 - 4th edition), 1 person

did not pass the semester (3rd edition). In comparison, in the previous academic year, 2 doctoral students were expelled due to a negative result of the Midterm Assessment, and 5 people did not pass the semester. Expelling at later stages of training is due to a change in life priorities, in addition, not all doctoral students are able to cope with the requirements of training in the Doctoral School (the reason for the expelling in the 4th edition of a person newly admitted to the Doctoral School). However, the number of deleted students is significantly lower, which is evidence that as the recruitment process improves, the Doctoral School is accepting candidates who are better motivated and more aware of how much commitment the Doctoral School education requires.

VI THE QUALITY OF TEACHING STAFF AND THE QUALITY OF SCIENTIFIC CARE AND SUPPORT IN THE CONDUCT OF SCIENTIFIC ACTIVITIES

The high quality of education at the School is guaranteed by professional teaching staff who meet the conditions specified in the Law on Higher Education (hereinafter referred to as the Law). They have the competence and experience to conduct classes professionally and correctly. It includes academic teachers employed at the Wrocław University of Economics and Business and other national and foreign research center employees. These persons have experience in the field of doctoral education. Classes are taught only by independent employees specializing in a given discipline holding a postdoctoral degree (habilitation) or a title of Professor.

The hiring of teaching staff is carried out with an appropriate personnel policy governed by well-defined terms and conditions of employment. The composition of the teaching staff is proposed by the Dean and reviewed by the Council of the Doctoral School. This also applies to the list of elective subjects, in which proposals (subjects and instructors) are modified yearly - in addition to a certain number of fixed subjects, new ones appear yearly.

The main task of the Doctoral School is to support the doctoral student in scientific development. They are academic community members and carry out their dissertation research work in the university research environment. Cooperation with it allows the doctoral student to acquire scientific contacts and become familiar with the research conducted in the scientific area of interest to them. The school creates a supportive environment for doctoral students so that their research can take into account the full spectrum of the research gap they are analysing.

As already stated, a supervisor plays a very important role in the preparation of a doctoral thesis. The high quality of training is achieved by regularly conducted training courses for supervisors. They are aimed at junior supervisors but also at experienced research and teaching staff who intend

to serve as supervisors. These pieces of training allow the supervisor to become fully acquainted with the requirements for the candidate in the recruitment process - this is the first stage of cooperation between the future supervisor and the future doctoral student.

Academic supervision of the preparation of the dissertation is provided by a supervisor or supervisors or by a supervisor and an assistant supervisor if appointed. After consultation with the Council of the Doctoral School, the Dean presents a list of supervisors on the School's website along with the announcement of the rules and procedures for recruitment. At present (according to the Regulations of the Doctoral School), supervisors are persons employed at WUEB who:

- hold a doctoral degree or a professorship,

- declared in the submitted statement at least 75% of the research time in the scientific discipline in which the training is conducted and the dissertation is prepared, or in a related discipline,

- meet one of two conditions: they have promoted at least 1 PhD or are the author/co-author of at least two publications from the last two calendar years preceding the year of recruitment with a value of min. 40 points each in the field of the discipline in which education is conducted at the School. Each publication must meet the criteria enshrined in Article 265. para. 9. item 2. of the Law, with the scoring given in the list of foreign journals and conferences current in the year of publication being used to determine the point value of the achievement.

Applications for supervisors submitted by doctoral students in 2022 were given a positive opinion by the Dean - proposals for supervisor candidates were considered already at the stage of the recruitment process, during which the Recruitment Committee, in cooperation with the Dean (its chairman), analysed the compatibility of the doctoral students' research topics with the supervisors' specialties and research competencies. The maximum number of doctoral students a supervisor can supervise at the School at the same time is 4, with no more than 2 in one edition. This maintains the quality of scientific supervision and guarantees the appropriate amount of time that a supervisor devotes to a doctoral student.

Additional support for doctoral students preparing dissertations under the Industrial Doctorate program is provided by an assistant appointed at the institution where the implementation will be carried out.

The quality of the teaching staff is also evaluated by the doctoral students themselves. They fill out anonymous questionnaires placed in the USOS system; the questions in the questionnaires allow them to assess the preparation of the instructors, their involvement and the accessibility of the classes they teach.

Doctoral students evaluate supervisors through an anonymous survey via the USOS system. The quality of the teaching staff is also evaluated by the doctoral students themselves. They fill out an anonymous survey placed in the USOS system; the questions in the questionnaire allow them to assess the preparation of the instructors, their involvement and the accessibility of the classes they teach. The results of this survey are presented in **Appendix 3** to the report.

The results of the surveys were provided to the teaching staff by the Dean of the Doctoral School; they were unlikely to contain any controversial comments, but it was nevertheless an opportunity to talk to people whose indicators deviated from the average shown in the surveys.

Meetings within the Doctoral School Forum also provided a form of support in scientific activity in the 2022/2023 academic year. It is organized on the initiative of the Doctoral Schooland provides a space for the exchange of knowledge and experience in the area of doctoral education in Polish higher education institutions. It also provides a platform for debate contributing to the dissemination of good practices in our country's functioning of doctoral schools. The meetings are organized online on the Teams platform and are attended by supervisors, doctoral students, researchers and administrative staff from all over Poland (number of participants - from 60 to 200 people). In the 2022/2023 academic year, supervisors and reviewers were attracted by a meeting on the topic: "Practical and formal aspects of reviewing doctoral theses - legal aspects related to the Law of July 20, 2018 and reflections from the practical work of the reviewer". The meeting consisted of two speeches: Prof. Krzysztof Jajuga's entitled; "Reviewing Doctoral Theses and Other Scientific Works" and Prof. Ewa Stańczyk-Hugiet's "Does Every Review Specialize?". The topic of reviews was discussed in a broad aspect, of course, but the lectures and discussions also concerned doctoral theses. The second meeting of the Forum was mainly of interest to researchers and concerned the methodology of reliable research processes. The speech entitled. "*Never ending story*, or about the methodology of reliable research processes once again" was led by Prof. Patrycja Klimas. Undoubtedly, this meeting can be considered an element of support in conducting scientific activities, and among the participants were researchers and doctoral students of the Doctoral School.

VII. SUPPORT FOR DOCTORAL STUDENTS IN THE LEARNING PROCESS

This support begins practically from the start of the doctoral student's education. The person who provides this support to the greatest extent is the supervisor - from working on the final version of the Individual Research Pan to holding seminars and overseeing the final shape of the research work and the resulting dissertation.

SZKOŁA DOKTORSKA

Every year at the beginning of the semester, meetings are held between the Dean and doctoral students. Those who are beginning their training are made aware of the most important elements of the School's Regulations and the rules of academic work. Such meetings are also held during the academic year in connection with important events for doctoral students (for example, the upcoming Midterm Assessment).

At the beginning of the academic year, during the first classes, doctoral students also meet with persons who provide them with the most important information about their duties and rights, and opportunities for development. The Rector's Plenipotentiary for Educational Quality, Dr. Magdalena Broszkiewicz, provided information on didactic onboarding in its broadest sense, Joanna Marcinkowska, Director of the Research Service Centre, informed doctoral students about the possibilities of obtaining grants and research funding, and Joanna Kasprzyk-Machata from the Open Science Resources Branch of the Library of the Wrocław University of Economics and Business gave an introduction to the Library's activities, as well as the related duties of doctoral students (ORCID, etc.).

Contacts with other doctoral students also provide support in the learning process. Discussion of ongoing research takes place every year during an open doctoral session, all doctoral students and supervisors, and mentors within the discipline in a given year meet at that time (other research and teaching staff of WUEB may also participate in the meeting), each doctoral student presents their achievements, and then a discussion of the doctoral student's presentation takes place and comments and suggestions on the subject of their dissertation and ongoing research are provided. After the lifting of pandemic restrictions, the session is not organized remotely, which makes the participants happy. However, several of them - due to health conditions or foreign travel - participated online, which was possible due to the organization of the event in the multimedia room.

Another opportunity for such contacts is provided by the School's periodically (4 times per academic year) organized International Doctoral Seminars for doctoral students. Participation in the seminars is open to participants from all over the world, and they are held online and in English.

Great support for young scientists, including doctoral students, is provided by the activities of the Research Service Centre established at the university: the training and mentoring provided there allow them to develop their scientific competence. The Research Service Centre encourages participation in activities aimed at scientific development as part of a program to improve the competence of WUEB research and teaching staff. The program includes support for the preparation of publications with global reach, support for the development of the competence of research staff in the implementation of scientific projects, and the process of building scientific relationships at the

university, regional, national, and international levels. The Centre is also developing the available on the university's website (https://cobn.ue.wroc.pl/niezbednik-badacza) called The Researcher's Essential. It is a place where materials are periodically published that present helpful information for those conducting research in an accessible and synthetic manner. Content published within the Researcher's Essential concerns guidelines related to the awarding of funding for research and scientific publications in accordance with internal procedures at WUEB, as well as information on available allowances and grants for research activities. The Researcher's Essential (which doctoral students asked about in the survey) also offers tips on effective publishing, guides on how to support scholarly activity online, and lists of journals and publishers. The Centre also provides up-to-date information on scholarship opportunities and other sources of funding for research or publication. The Centre's staff also assists the doctoral student in the process of preparing a grant or funding application.

Doctoral students can also participate in a number of activities offered by the Centre for Business Cooperation, which not only provides support in the process of learning and writing a dissertation but can also facilitate doctoral students' entry into the job market or further education.

Individuals participating in the Industrial Doctorate program find support and assistance from research assistants employed at the units where the implementation is to take place. These supervisors deal with the practical side of the emerging dissertation and often participate in open doctoral sessions, taking part in the discussion and representing a different, non-scientific point of view. For these doctoral students, the Project Management Centre provides support in formal matters (preparation of reports to the Ministry, work on the tripartite agreement, etc.). It also provides doctoral students with all communications from the Ministry and information on the annual reports they submit.

Any irregularities related to the learning process can be reported by doctoral students to the Dean, who considers all complaints individually. If the case is not resolved satisfactorily, the doctoral student has the right to appeal to the Rector.

Doctoral students are kept informed of conferences and publication opportunities by the School's Office - this information is provided to them by email and through the School's website (www.sd.ue.wroc.pl).

Information about all events, the rights and responsibilities of doctoral students, and the day-to-day support of doctoral students is handled by the two-person Office of the Doctoral School, which also provides technical support for seminars, events, and the Midterm Assessment Committee. The support that the Office provides to doctoral students was appreciated by them; in an anonymous

General Survey, they wrote: "The ladies running the SD office deserve special praise - Ms. Olga and Ms. Renata are very helpful and kind; there is nothing to complain about. They manage information in an absolutely professional way, run the service for doctoral students, not to mention help with everyday matters."

Other survey comments also testify to doctoral students' positive opinion about the Doctoral School: "The level of the school, the staff, and the quality of the classes is very high. The people teaching the classes - you can learn from them attitudes, behaviour, kindness."

Support for doctoral students is also provided by a stipend paid to doctoral students in accordance with the law. They can also apply for the Rector's stipend and grants and financial support for research - information in this regard is provided by the Research Service Centre, which also assists in preparing applications.

VIII. THE MIDTERM ASSESSMENT

The doctoral student, in consultation with the supervisor(s) and assistant supervisor, if appointed, has developed an Individual Research Plan, which includes a schedule for the preparation of the dissertation by year and semester, the planned date for submission of the dissertation, the research problem to be solved in the dissertation, the rationale for the research problem, the objectives of the dissertation, the research questions or hypotheses, a description of the research methodology planned to solve the research problem, a bibliography, and the structure of the dissertation.

The IRP was submitted by the doctoral student to the Dean within 12 months of the start of training, and its content was previously agreed upon with the supervisor(s) and reviewed by the assistant supervisor if appointed. The implementation of the IRP is subject to a midterm assessment by a Midterm Assessment Committee appointed by the Dean in consultation with the Chairman of the relevant Discipline Scientific Council. The student's supervisor(s) and assistant supervisor do not participate in the work of the committee.

No later than 30 days before the scheduled committee meeting, the doctoral student submitted a report on the implementation of the IRP and the educational program - the required documents were submitted to the Doctoral Office, and the committee members evaluated them.

During the evaluation committee meeting, the doctoral student presented the results of the research work. The presentation was followed by a discussion with the doctoral student. The result of the mid-term evaluation was determined by the committee in the classified part of the meeting.

The mid-term evaluation ended with a positive or negative result announced to the doctoral student after the meeting, it requires justification. The result of the evaluation with justification is public. From the conduct of the mid-term evaluation, the committee prepared a protocol - individually for each doctoral student.

The Midterm Assessment was conducted - in accordance with the Law on Higher Education - in the middle of the training period, i.e. in September. Participating in an open doctoral session was the first step in preparing doctoral students for the assessment. Statements during the open doctoral session in the second year - prior to the Midterm Assessment itself - were prepared entirely by doctoral students in a manner consistent with the requirements of the Midterm Assessment.

Detailed information on the evaluation conducted by the Midterm Assessment Committee is posted on the School's website several months before the committee's meeting, along with information on the appointment of the committee and its composition (Circular Letter from the Dean). The website also contains downloadable templates of all the documents to be submitted by the doctoral student. Approximately five months before the submission of the documents, there is also an informational meeting between the Dean and the School Office staff and the doctoral students about the evaluation process, at which the doctoral students' questions were also answered.

In 2023, the third Midterm Assessment was organized. According to the procedure, doctoral students who passed 4 semesters of training in the Doctoral School were subject to evaluation. The Dean of the Doctoral School appointed three committees, in accordance with the law, each of which consisted of 3 persons, including at least 1 person holding a postdoctoral or professorial degree in the discipline in which the doctoral dissertation is being prepared, employed outside the entity conducting the doctoral school. The supervisor and assistant supervisor could not be members of the committee.

In the discipline of Economics and Finance, 2 doctoral students underwent mid-term evaluation. In the discipline of Management and Quality Sciences, 8 doctoral students underwent mid-term evaluation. All of them passed the evaluation successfully.

The result of the mid-term evaluation is, in accordance with the Law on Higher Education, public, so it was published on the School's website, and the minutes remain available for inspection in the School Office.

IX. RESEARCH INFRASTRUCTURE AND RESOURCES

Doctoral students undergoing education at the School benefit fully from the University's teaching infrastructure and teaching resources available to all research and teaching staff. They have access to information and communication technologies, including those necessary for distance learning. Detailed instructions have been posted on the university's website to facilitate the use of these technologies. Doctoral students can also use equipment provided at the university for teaching, and they can use very well-equipped laboratories for their own research and also for teaching. The university offers many modern technologies. One example is the Business Simulation Centre, which has the latest technologies.

The university's infrastructure is fully adapted to conduct research and teaching remotely (at a distance); these elements were improved during the pandemic situation, and the associated facilities are successfully used in the School's daily work.

The teaching resources of the WUEB also include the Library resources, which, in addition to a constantly updated list of publications, also provide access to various databases necessary for research. It is also possible to request purchases of specific publications or gain access to needed databases. In addition, the Library also offers workspaces for doctoral students and undergraduates - a total of 115 workspaces and 300 research workspaces.

The school is friendly to persons with disabilities - the School Office is located in a building with a ramp for the disabled and equipped with elevators. Classes are held in the same building. A computer station for the blind is also available at WUEB. Also, the library, laboratories, and other rooms used in the teaching process are accessible to persons with disabilities.

Since the cancellation of pandemic-related restrictions, Doctoral School education and other meetings are no longer held remotely. Nevertheless, there are times when remote linking is needed - for example, during the open doctoral session. It is also possible to have a remote interview during recruitment. The university's infrastructure - multimedia rooms and the Teams platform - allows for hybrid meetings.

Remotely, there are regular meetings between the Dean of the Doctoral School and Doctoral students (e.g., on midterm assessment information) and International Doctoral Seminars, which provide a platform for meeting doctoral students from around the world.

The infrastructure necessary for meetings held online is constantly used in the regular events organized by the Doctoral School - International Seminars, Doctoral School Forums, or Open Days.

These events are conducted remotely, as this form guarantees a more significant number of participants and greater reach, so it is very beneficial.

The infrastructure and general preparation of the university are assessed by doctoral students in an anonymous survey posted in the USOS system. The results of this survey are included in **Appendix 1** of the report.

X. COOPERATION WITH INTERNAL STAKEHOLDERS

By collaborating with external stakeholders, the Doctoral School can provide comprehensive quality education and service to doctoral students. The list of internal stakeholders with whom the School continuously collaborates includes the Rector, Vice-Rector for Research, and Academic Staff, Vice-Rector for Accreditation and International Cooperation, Vice-Rector for Finance and Development, Deans of Faculties - Chairmans of the Discipline Scientific Councils, members of the Academic Discipline Councils, the Vice-Dean for Education, the Office of Planning and Accounting for Teaching, the Office of Analysis and Reporting, the Human Resources Project Services Department, the Project Management Centre, the Legal Office, the Research Service Centre, the Business Cooperation Centre, the Business Process Simulation Centre, and the Centre for International Cooperation.

All of these units cooperate to a greater or lesser extent with the Doctoral School Office, participating in the decision-making process (e.g., the Rectors), providing support and advice (e.g., the Legal Office, the Project Management Centre, the Research Service Centre), providing necessary data related to the educational process at the Doctoral School (the Analysis and Reporting Office), providing access to elements of the university's infrastructure, or directly serving doctoral students themselves in the process of scientific development and thesis writing.

XI. PUBLICATION OF INFORMATION

The Doctoral School's website (www.sd.ue.wroc.pl) has all the necessary information regarding its operation:

- Class schedules and curricula of each edition for doctoral students,
- Letters from the Dean, providing information on the most important issues related to the educational program (internships, mid-term evaluation),
- All legal acts concerning the Doctoral School,

- News on education, organized conferences and seminars,
- downloadable templates of documents necessary for the educational process (IRP template, applications),
- Information for candidates - list of supervisors, recruitment rules, sample documents,
- Contact information for the School Office with a map of how to get there.

In accordance with the Act on Higher Education, information regarding the Doctoral School (recruitment rules, Regulations for the Doctoral School, and educational programs) is also posted on the WUEB Public Information Bulletin.

Meetings are also held (remotely and on-site) with doctoral students on the most important stages of training at the Doctoral School, such as before the start of training at the beginning of the academic year or before the Midterm Assessment. These are aimed at highlighting the most important elements, which are additionally described on the site.

All up-to-date information is sent to doctoral students directly by e-mail. Doctoral students - as well as all university employees - also receive news about the life of the university via Internal Communication emails.

XII. INTERNATIONALIZATION

The Doctoral School, in cooperation with the Centre for International Cooperation (International Relations Office), develops the scientific mobility of doctoral students participating in the Erasmus+ program and international exchanges. Similar forms of mobility are also used by dialecticians teaching at the School. Doctoral students also conduct international research and travel abroad as part of the scholarships they receive. More detailed information on this aspect of internationalization (scholarships, foreign publications, etc.) can be found in the data presented in the Doctoral Student's Record of Achievements.

One of the elements of internationalization is the creation of a platform for doctoral students to interact at the international level, the International Doctoral Seminars, conducted in the form of online meetings in English, serve this purpose. The School obtains keynote speakers from abroad for these seminars, and professors from foreign universities participate in classes held at the Doctoral School and in additional seminars organized.

In the 2022/2023 academic year, four meetings were organized as part of the International Doctoral Seminars. These are open seminars attended by doctoral students and speakers from Poland and abroad and serve to exchange experiences and present the achievements of doctoral students. They are conducted in English. They were opened with speeches by keynote speakers: Prof. Hildegunn Kyvik Nordås (Visiting Professor at Örebro University, Sweden, former employee of Trade and Agriculture Directorate at the OECD in Paris), Zoltan Gal (professor of Faculty of Economics & Business at the University of Pécs, Hungary), Julianna Faludi (Associate Professor at Corvinus University of Budapest, Hungary) I Stefan Eckert (professor at the International Institute of Technische Universität Dresden).

They are very popular (usually about 60-80 people participate) and are conducted online through the Teams platform.

Some of the classes (included in the offer of elective subjects) at the School are conducted in English.

The school is open to recruiting candidates from abroad - the recruitment process has appropriate procedures in place. The recruitment committee also has adequate preparation for recruiting in English.

Appendix 1

OVERALL SURVEY RESULTS

Survey: Doctoral School Survey - winter semester 2022/23

Content of the question	Type of answer	Number of responses.	Average
1. Evaluation of the Doctoral School			
2. Evaluation of educational program - compulsory classes	SCALE_1-5	17	4,59

Description of responses	Answer value.	Number of odp.
2	2	1
3	3	1
4	4	2
5	5	13

3. Evaluation of educational program - elective classes	SCALE_1-5	12	4,25

Description of responses	Answer value.	Number of odp.
1	1	1
2	2	1
3	3	1
5	5	9

4. Does the Doctoral School give the right tools needed by a doctoral student?	SCALE_1-5	16	4,50

Description of responses	Answer value.	Number of odp.
3	3	3
4	4	2
5	5	11

5. Does the Doctoral School provide adequate development opportunities?	SCALE_1-5	17	4,41

Description of responses	Answer value.	Number of odp.
2	2	1
3	3	2
4	4	3
5	5	11

7 Evaluation of the University			
8. Evaluation of the infrastructure provided by the university	SCALE_1-5	17	4,47

Description of responses	Answer value.	Number of odp.
2	2	1
3	3	1
4	4	4
5	5	11

9. Evaluation of the cooperation of other units of the university (departments, institutes) with the PhD student	SCALE_1-5	17	4,53

Description of responses	Answer value.	Number of responses.
1	1	1
4	4	4
5	5	12

10. To what extent does the university inform doctoral students about projects and opportunities to obtain grants, develop collaborations, etc.?	SCALE_1-5	17	4,59

Description of responses	Answer value.	Number of responses.
3	3	2
4	4	3
5	5	12

11. To what extent does the doctoral student take advantage of the opportunities and tools and facilities offered by the university?	SCALE_1-5	14	4,36

Description of responses	Answer value.	Number of responses.
3	3	3
4	4	3
5	5	8

Open questions

6. Comment
   1. The rating of 5 is mainly deserved by the employees of SD. Ms. Renata and Ms. Olga
   2. Polish language classes could be added, or language courses could be organized for those who do not have a language certificate.

USOS General survey results Survey code: 22Z-SD-EWALU, Distribution of responses: Yes, Comments Yes Website12

27.03.2023 10:44

12. Which of the mentioned tools/facilities does the doctoral student use most often (please list)?
    1. Participation in conferences, seminars, workshops, doctoral thesis defenses, others
    2. Contact with units
    3. Cooperation with the Department

Comments:

No comments

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OVERALL RESULTS OF THE SURVEY

Survey: Doctoral School survey - summer term 2022/23

Content of the question	Type of answer	Number Answer.	Average
1. Evaluation of the Doctoral School			
2. Evaluation of the curriculum - compulsory classes	SCALE_1-5	13	4,46
3. Evaluation of the curriculum - elective courses	SCALE_1-5	9	4,78
4. Does the Doctoral School give the right tools needed by the doctoral student?	SCALE_1-5	13	4,54
5. Does the Doctoral School provide adequate opportunities for development?	SCALE_1-5	13	4,38
7. Evaluation of the University			
8. Evaluation of the infrastructure provided by the university	SCALE_1-5	13	4,54
9. evaluation of the cooperation of other university units (departments, institutes) with the doctoral student	SCALE_1-5	13	4,46
To what extent does the university inform doctoral students about projects and opportunities? obtaining grants, developing cooperation, etc.?	SCALE_1-5	13	4,46
11. to what extent does the doctoral student benefit from the opportunities and tools and facilities offered by the university?	SCALE_1-5	13	4,38

Open questions

6. Comment
   1. The ladies who run the SD office deserve special praise - Ms Olga and Ms Renata are very helpful and friendly; there is nothing to "get into". They manage information in an absolutely professional way, run the service for doctoral students, not mention help with everyday matters. The level of the school, the staff and the quality of the classes is very high. The instructors - you can learn from their attitudes, behaviour, kindness.
   2. The Doctoral School provides tremendous opportunities for development, both academically and in the area of teaching
   3. It would be useful to create a 'young researcher's compendium' with instructions on how to access the various tools provided by the university, as it is difficult for those not experienced at the EU to find such things.
12. Which of the tools/facilities mentioned above does the doctoral student use most often (please list)?
   1. Information on projects, cooperation, grants
   2. Training, seminars, webinars
   3. Cooperation with research and teaching staff

Comments:

No comments

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SZKOŁA DOKTORSKA

	average		number of responses	
	2022/2023	**2021/2022**	**2022/2023**	**2021/2022**
1. DOCTORAL SCHOOL EVALUATION	4,52	4,10	48	59
1.1 Evaluation of the educational program - compulsory classes	4,46	4,40	13	15
1.2 Evaluation of the educational program - elective classes	4,78	4,14	9	14
1.3 Does the Doctoral School give the right tools needed by the doctoral student?	4,54	4,13	13	15
1.4 Does the Doctoral School provide adequate development opportunities?	4,38	4,27	13	15
2. EVALUATION OF UNIVERSITy	4,46	4,23	52	60
2.1 Evaluation of the infrastructure provided by the university	4,54	4,20	13	15
2.2 Evaluation of the cooperation of other units of the university (departments, institutes) with the doctoral student	4,46	4,40	13	15
2.3 To what extent does the university inform doctoral students about projects and opportunities to obtain grants, develop collaborations, etc.?	4,46	4,13	13	15
2.4 To what extent does the doctoral student take advantage of the opportunities and tools and facilities offered by the university?	4,38	4,20	13	15

Appendix 2

Summaries of grades obtained in the Doctoral School in the academic year 2022-2023

Winter examination session in the academic year 2022-2023

Average grades obtained (subjects for which a grade was required to pass were taken into account)

semester	Subject	average	number of evaluations
1	Methodology and research methodology	4,63	12
1	Literature review (types and methodology) - workshop	4,88	12
1	Research Problems in Economics and Finance	5,00	3
1	Research Problems in Management and Quality Sciences	5,00	9
3	Survey - how to properly construct a research tool	3,89	9
3	Databases - workshops	5,00	4
3	Data Analysis Using the R Environment	5,00	4
3	Planning a scientific project	4,94	9
3	Workshop - public speaking and voice emission	5,00	13
5	Advanced International Business and Economics	5,00	7
5	Databases - workshops	5,00	7
5	Planning a scientific project	4,95	10
5	Social psychology	5,00	10

Distribution of grades obtained (subjects for which a passing grade was required were taken into account)

zal = passed, nzal = not passed

SZKOŁA DOKTORSKA

semester	Subject	evaluation	Number obtained	% obtained
1	**Occupational health and safety**			
1	Occupational health and safety	zal	14	100,00%
1	**Philosophy of science**			
1	Philosophy of science	zal	12	100,00%
1	**Methodology and research methodology**			
1	Methodology and research methodology	4.0 (db)	1	8,33%
1	Methodology and research methodology	4.5 (db+)	7	58,33%
1	Methodology and research methodology	5.0 (bdb)	4	33,33%
1	**Teaching methodology in higher education**			
1	Teaching methodology in higher education	nzal	1	7,69%
1	Teaching methodology in higher education	zal	12	92,31%
1	**Doctoral proceedings in scientific disciplines**			
1	Doctoral proceedings in scientific disciplines	nzal	1	7,69%
1	Doctoral proceedings in scientific disciplines	zal	12	92,31%
1	**Literature review (types and methodology) - workshop**			
1	Literature review (types and methodology) - workshop	4.5 (db+)	3	25,00%
1	Literature review (types and methodology) - workshop	5.0 (bdb)	9	75,00%
1	**Research Problems in Economics and Finance**			
1	Research Problems in Economics and Finance	5.0 (bdb)	3	100,00%
1	**Research Problems in Management and Quality Sciences**			

1	Research Problems in Management and Quality Sciences	5.0 (bdb)	9	100,00%
1	**Doctoral Seminar**			
1	Doctoral Seminar	zal	12	100,00%
3	**Survey - how to properly construct a research tool**			
3	Survey - how to properly construct a research tool	3.0 (dst)	1	11,11%
3	Survey - how to properly construct a research tool	3.5 (dst+)	3	33,33%
3	Survey - how to properly construct a research tool	4.0 (db)	2	22,22%
3	Survey - how to properly construct a research tool	4.5 (db+)	3	33,33%
3	**Databases - workshops**			
3	Databases - workshops	5.0 (bdb)	4	100,00%
3	**Data Analysis Using the R Environment**			
3	Data Analysis Using the R Environment	5.0 (bdb)	4	100,00%
3	**Open doctoral session**			
3	Open doctoral session	zal	13	100,00%
3	**Planning a scientific project**			
3	Planning a scientific project	4.5 (db+)	1	11,11%
3	Planning a scientific project	5.0 (bdb)	8	88,89%
3	**Doctoral Seminar**			
3	Doctoral Seminar	zal	13	100,00%
3	**Workshop - public speaking and voice emission**			
3	Workshop - public speaking and voice emission	5.0 (bdb)	13	100,00%
5	**Advanced International Business and Economics**			
5	Advanced International Business and Economics	5.0 (bdb)	7	100,00%

5	**Databases - workshops**			
5	Databases - workshops	5.0 (bdb)	7	100,00%
5	**Open doctoral session**			
5	Open doctoral session	zal	18	100,00%
5	**Planning a scientific project**			
5	Planning a scientific project	4.5 (db+)	1	10,00%
5	Planning a scientific project	5.0 (bdb)	9	90,00%
5	**Social psychology**			
5	Social psychology	5.0 (bdb)	10	100,00%
5	**Doctoral Seminar**			
5	Doctoral Seminar	zal	17	100,00%
7	**Doctoral Seminar**			
7	Doctoral Seminar	zal	12	100,00%

Summer examination session in the 2022-2023 academic year.

Average grades obtained (subjects for which a grade was required to pass were taken into account)

semester	Subject	average	Number of ratings
2	Quantitative methods in scientific research	4,96	12
2	Qualitative methods in scientific research	4,92	12
2	Acquiring Research Grants. Sources of research funding in the Social Sciences	4,75	12
2	Preparation of a scientific text - a workshop	4,50	12

2	Testing hypotheses in the research process	4,42	12
4	Mixed research - essence, types, validity, benefits	4,19	13
4	Speeches presenting research results - workshops	5,00	13
6	Commercialization of research results	5,00	17

Distribution of grades obtained (subjects for which a passing grade was required were taken into account)

zal = passed, nzal = not passed

semester	object	evaluation	number obtained	% obtained
2	**Quantitative methods in scientific research**			
2	Quantitative methods in scientific research	4.5 (db+)	1	8,33%
2	Quantitative methods in scientific research	5.0 (bdb)	11	91,67%
2	**Qualitative methods in scientific research**			
2	Qualitative methods in scientific research	4.0 (db)	1	8,33%
2	Qualitative methods in scientific research	5.0 (bdb)	11	91,67%
2	**Open doctoral session**			
2	Open doctoral session	zal	12	100,00%
2	**Acquiring Research Grants. Sources of research funding in the Social Sciences**			
2	Acquiring Research Grants. Sources of research funding in the Social Sciences	3.5 (dst+)	1	8,33%
2	Acquiring Research Grants. Sources of research funding in the Social Sciences	4.5 (db+)	3	25,00%

2	Acquiring Research Grants. Sources of research funding in the Social Sciences	5.0 (bdb)	8	66,67%
2	**Apprenticeship**			
2	Apprenticeship	zal	12	100,00%
2	**Preparation of a scientific text - workshop**			
2	Preparation of a scientific text - workshop	3.5 (dst+)	1	8,33%
2	Preparation of a scientific text - workshop	4.0 (db)	1	8,33%
2	Preparation of a scientific text - a workshop	4.5 (db+)	7	58,33%
2	Preparation of a scientific text - a workshop	5.0 (bdb)	3	25,00%
2	**Research Ethics**			
2	Research Ethics	zal	12	100,00%
2	**Doctoral Seminar**			
2	Doctoral Seminar	zal	12	100,00%
2	**Hypothesis testing in the research process**			
2	Hypothesis testing in the research process	4.0 (db)	7	58,33%
2	Hypothesis testing in the research process	5.0 (bdb)	5	41,67%
4	**Mixed research - essence, types, validity, benefits**			
4	Mixed research - essence, types, validity, benefits	3.0 (dst)	2	15,38%
4	Mixed research - essence, types, validity, benefits	3.5 (dst+)	1	7,69%
4	Mixed research - essence, types, validity, benefits	4.0 (db)	3	23,08%
4	Mixed research - essence, types, validity, benefits	4.5 (db+)	4	30,77%

4	Mixed research - essence, types, validity, benefits	5.0 (bdb)	3	23,08%
4	**Mid-term evaluation**			
4	Mid-term evaluation	zal	10	100,00%
4	**Apprenticeship**			
4	Apprenticeship	zal	13	100,00%
4	**Doctoral Seminar**			
4	Doctoral Seminar	nzal	1	7,69%
4	Doctoral Seminar	zal	12	92,31%
4	**Speeches presenting research results - workshops**			
4	Speeches presenting research results - workshops	5.0 (bdb)	13	100,00%
6	**Commercialization of research results**			
6	Commercialization of research results	5.0 (bdb)	17	100,00%
6	**Apprenticeship**			
6	Apprenticeship	zal	17	100,00%
6	**Doctoral Seminar**			
6	Doctoral Seminar	zal	17	100,00%
8	**Open doctoral session**			
8	Open doctoral session	zal	12	100,00%
8	**Teaching practice**			
8	Teaching practice	zal	12	100,00%
8	**Doctoral Seminar**			
8	Doctoral Seminar	nzal	11	100,00%

Appendix 3

Results of a survey on classroom management and supervisor care,

academic year 2022/2023

Note: according to university regulations, the names of those who were evaluated in the survey cannot be made public (they are known to the Dean).

Winter examination session in the academic year 2022-2023

degree/title	Name of the instructor	Object	class type	average	l.reply.
Ph.	a	Doctoral Seminar	Seminar	5	8
Ph.	b	Doctoral Seminar	Seminar	5	8
Ph.	c	Doctoral Seminar	Seminar	5	8
Ph.	d	Doctoral Seminar	Seminar	5	8
Ph.	e	Doctoral Seminar	Seminar	5	8
Ph.	f	Doctoral Seminar	Seminar	5	16
Ph.	g	Survey - how to properly construct a research tool	Lecture	4,95	20
Ph.	h	Doctoral Seminar	Seminar	5	8
Ph.	i	Doctoral Seminar	Seminar	5	8
Ph.	j	Doctoral Seminar	Seminar	5	8
Ph.	j	Literature review (types and methodology) – workshop	Exercises	5	40
Ph.	j	Literature review (types and methodology) – workshop	Lecture	5	40

Ph.	j	Doctoral Seminar	Seminar	5	8
Ph.	k	Doctoral Seminar	Seminar	5	8
Ph.	l	Doctoral Seminar	Seminar	5	8
Dr.-Ing.	m	Databases - workshops	Lecture	4	5
Dr.	n	Data Analysis Using the R Environment	Lecture	3,25	5
Prof. Dr. Eng.	o	Planning a scientific project	Lecture	5	15
Prof. Dr. Eng.	o	Planning a scientific project	Lecture	5	15
prof. dr. hab.	p	Philosophy of science	Lecture	4,68	40
prof. dr. hab.	r	Research Problems in Management and Quality Sciences	Lecture	5	25
prof. dr. hab.	s	Doctoral Seminar	Seminar	4,94	16
prof. dr. hab.	s	Doctoral Seminar	Seminar	5	8
prof. dr. hab.	t	Research Problems in Economics and Finance	Lecture	5	15
prof. dr. hab.	u	Doctoral Seminar	Seminar	5	8
prof. dr. hab.	w	Research Problems in Economics and Finance	Lecture	5	15
prof. dr. hab.	x	Doctoral Seminar	Seminar	5	8
prof. dr. hab.	y	Methodology and research methodology	Lecture	4,8	40
prof. dr. hab.	y	Teaching methodology in higher education	Lecture	4,93	40

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prof. dr. hab.	y	Doctoral proceedings in scientific disciplines	Lecture	4,82	39
prof. dr. hab.	y	Doctoral Seminar	Seminar	5	8
prof. dr. hab.	z	Doctoral Seminar	Seminar	5	8

Activities	**average**	**l.reply.**
A	**5**	**8**
Evaluation of the quality of cooperation with the supervisor, his availability and commitment	5	1
Evaluation of the instructor's preparation for teaching the subject, including the implementation of them in remote form - substantive and organizational	5	1
Evaluation of the supervisor's skills - do they provide sufficient support in writing the dissertation?	5	1
Evaluation of supervisor's knowledge - does it provide enough support in writing a dissertation?	5	1
Evaluation of materials prepared by the instructor	5	1
Evaluation of the content level of classes	5	1
Evaluation of the suitability of an object for the training of a doctoral student	5	1
Evaluation of the extent to which the instructor adheres to the criteria for passing the course	5	1
B	**5**	**8**
Evaluation of the quality of cooperation with the supervisor, his availability and commitment	5	1

Evaluation of the instructor's preparation for teaching the subject, including the implementation of them in remote form - substantive and organizational	5	1
Evaluation of the supervisor's skills - do they provide sufficient support in writing the dissertation?	5	1
Assessment of supervisor's knowledge - does it provide enough support in writing a dissertation?	5	1
Evaluation of materials prepared by the instructor	5	1
Evaluation of the content level of classes	5	1
Evaluation of the suitability of an object for the training of a doctoral student	5	1
Evaluation of the extent to which the instructor adheres to the criteria for passing the course	5	1
C	**5**	**8**
Evaluation of the quality of cooperation with the supervisor, his availability and commitment	5	1
Evaluation of the instructor's preparation for teaching the subject, including the implementation of them in remote form - substantive and organizational	5	1
Evaluation of the supervisor's skills - do they provide sufficient support in writing the dissertation?	5	1
Assessment of supervisor's knowledge - does it provide enough support in writing a dissertation?	5	1
Evaluation of materials prepared by the instructor	5	1
Evaluation of the content level of classes	5	1
Evaluation of the suitability of an object for the training of a doctoral student	5	1
Evaluation of the extent to which the instructor adheres to the criteria for passing the course	5	1

D	**5**	**8**
Evaluation of the quality of cooperation with the supervisor, his availability and commitment	5	1
Evaluation of the instructor's preparation for teaching the subject, including the implementation of them in remote form - substantive and organizational	5	1
Evaluation of the supervisor's skills - do they provide sufficient support in writing the dissertation?	5	1
Assessment of the supervisor's knowledge - does it provide enough support in writing the dissertation?	5	1
Evaluation of materials prepared by the instructor	5	1
Evaluation of the content level of classes	5	1
Evaluation of the suitability of an object for the training of a doctoral student	5	1
Evaluation of the extent to which the instructor adheres to the criteria for passing the course	5	1
E	**5**	**8**
Evaluation of the quality of cooperation with the supervisor, his availability and commitment	5	1
Evaluation of the instructor's preparation for teaching the subject, including the implementation of them in remote form - substantive and organizational	5	1
Evaluation of the supervisor's skills - do they provide sufficient support in writing the dissertation?	5	1
Assessment of supervisor's knowledge - does it provide enough support in writing a dissertation?	5	1
Evaluation of materials prepared by the instructor	5	1
Evaluation of the content level of classes	5	1

Evaluation of the suitability of an object for the training of a doctoral student	5	1
Evaluation of the extent to which the instructor adheres to the criteria for passing the course	5	1
F	**5**	**16**
Evaluation of the quality of cooperation with the supervisor, his availability and commitment	5	2
Evaluation of the instructor's preparation for teaching the subject, including the implementation of them in remote form - substantive and organizational	5	2
Evaluation of the supervisor's skills - do they provide sufficient support in writing the dissertation?	5	2
Evaluation of supervisor's knowledge - does it provide enough support in writing a dissertation?	5	2
Evaluation of materials prepared by the instructor	5	2
Evaluation of the content level of classes	5	2
Evaluation of the suitability of an object for the training of a doctoral student	5	2
Evaluation of the extent to which the instructor adheres to the criteria for passing the course	5	2
G	**4,95**	**20**
Evaluation of the instructor's preparation for teaching the subject, including the implementation of them in remote form - substantive and organizational	5	4
Evaluation of materials prepared by the instructor	4,75	4
Evaluation of the content level of classes	5	4
Evaluation of the suitability of an object for the training of a doctoral student	5	4

Evaluation of the extent to which the instructor adheres to the criteria for passing the course	5	4
H	**5**	**8**
Evaluation of the quality of cooperation with the supervisor, his availability and commitment	5	1
Evaluation of the instructor's preparation for teaching the subject, including the implementation of them in remote form - substantive and organizational	5	1
Evaluation of the supervisor's skills - do they provide sufficient support in writing the dissertation?	5	1
Assessment of supervisor's knowledge - does it provide enough support in writing a dissertation?	5	1
Evaluation of materials prepared by the instructor	5	1
Evaluation of the content level of classes	5	1
Evaluation of the suitability of an object for the training of a doctoral student	5	1
Evaluation of the extent to which the instructor adheres to the criteria for passing the course	5	1
I	**5**	**8**
Evaluation of the quality of cooperation with the supervisor, his availability and commitment	5	1
Evaluation of the instructor's preparation for teaching the subject, including the implementation of them in remote form - substantive and organizational	5	1
Evaluation of the supervisor's skills - do they provide sufficient support in writing the dissertation?	5	1
Assessment of the supervisor's knowledge - does it provide enough support in writing the dissertation?	5	1
Evaluation of materials prepared by the instructor	5	1

Evaluation of the content level of classes	5	1
Evaluation of the suitability of an object for the training of a doctoral student	5	1
Evaluation to what extent the instructor adheres to the criteria for passing the course	5	1
J	**5**	**8**
Evaluation of the quality of cooperation with the supervisor, his availability and commitment	5	1
Evaluation of the instructor's preparation for teaching the subject, including the implementation of them in remote form - substantive and organizational	5	1
Evaluation of the supervisor's skills - do they provide sufficient support in writing the dissertation?	5	1
Evaluation of supervisor's knowledge - does it provide enough support in writing a dissertation?	5	1
Evaluation of materials prepared by the instructor	5	1
Evaluation of the content level of classes	5	1
Evaluation of the suitability of an object for the training of a doctoral student	5	1
Evaluation of the extent to which the instructor adheres to the criteria for passing the course	5	1
K	**5**	**40**
Evaluation of the instructor's preparation for teaching the subject, including the implementation of them in remote form - substantive and organizational	5	8
Evaluation of materials prepared by the instructor	5	8
Evaluation of the content level of classes	5	8

Evaluation of the suitability of an object for the training of a doctoral student	5	8
Evaluation to what extent the instructor adheres to the criteria for passing the course	5	8
L	**5**	**40**
Evaluation of the instructor's preparation for teaching the subject, including the implementation of them in remote form - substantive and organizational	5	8
Evaluation of materials prepared by the instructor	5	8
Evaluation of the content level of classes	5	8
Evaluation of the suitability of an object for the training of a doctoral student	5	8
Evaluation to what extent the instructor adheres to the criteria for passing the class	5	8
M	**5**	**8**
Evaluation of the quality of cooperation with the supervisor, his availability and commitment	5	1
Evaluation of the instructor's preparation for teaching the subject, including the implementation of them in remote form - substantive and organizational	5	1
Evaluation of the supervisor's skills - do they provide sufficient support in writing the dissertation?	5	1
Evaluation of supervisor's knowledge - does it provide enough support in writing a dissertation?	5	1
Evaluation of materials prepared by the instructor	5	1
Evaluation of the content level of classes	5	1
Evaluation of the suitability of an object for the training of a doctoral student	5	1

Evaluation to what extent the instructor adheres to the criteria for passing the class	5	1
N	**5**	**8**
Evaluation of the quality of cooperation with the supervisor, his availability and commitment	5	1
Evaluation of the instructor's preparation for teaching the subject, including the implementation of them in remote form - substantive and organizational	5	1
Evaluation of the supervisor's skills - do they provide sufficient support in writing the dissertation?	5	1
Evaluation of supervisor's knowledge - does it provide enough support in writing a dissertation?	5	1
Evaluation of materials prepared by the instructor	5	1
Evaluation of the content level of classes	5	1
Evaluation of the suitability of an object for the training of a doctoral student	5	1
Evaluation of the extent to which the instructor adheres to the criteria for passing the course	5	1
O	**5**	**8**
Evaluation of the quality of cooperation with the supervisor, his availability and commitment	5	1
Evaluation of the instructor's preparation for teaching the subject, including the implementation of them in remote form - substantive and organizational	5	1
Evaluation of the supervisor's skills - do they provide sufficient support in writing the dissertation?	5	1
Assessment of supervisor's knowledge - does it provide enough support in writing a dissertation?	5	1
Evaluation of materials prepared by the instructor	5	1

Evaluation of the content level of classes	5	1
Evaluation of the suitability of an object for the training of a doctoral student	5	1
Evaluation of the extent to which the instructor adheres to the criteria for passing the course	5	1
P	**4**	**5**
Evaluation of the instructor's preparation for teaching the subject, including the implementation of them in remote form - substantive and organizational	4	1
Evaluation of materials prepared by the instructor	3	1
Evaluation of the content level of classes	4	1
Evaluation of the suitability of an object for the training of a doctoral student	4	1
Evaluation of the extent to which the instructor adheres to the criteria for passing the course	5	1
R	**3,25**	**5**
Evaluation of the instructor's preparation for teaching the subject, including the implementation of them in remote form - substantive and organizational	3	1
Evaluation of materials prepared by the instructor	3	1
Evaluation of the content level of classes	2	1
Evaluation of the suitability of an object for the training of a doctoral student	difficult to assess	1
Evaluation of the extent to which the instructor adheres to the criteria for passing the course	5	1
S	**5**	**15**

Evaluation of the instructor's preparation for teaching the subject, including the implementation of them in remote form - substantive and organizational	5	3
Evaluation of materials prepared by the instructor	5	2
Evaluation of the content level of classes	5	3
Evaluation of the suitability of an object for the training of a doctoral student	5	3
Evaluation of the extent to which the instructor adheres to the criteria for passing the course	5	4
S	**5**	**15**
Evaluation of the instructor's preparation for teaching the subject, including the implementation of them in remote form - substantive and organizational	5	3
Evaluation of materials prepared by the instructor	5	3
Evaluation of the content level of classes	5	3
Evaluation of the suitability of an object for the training of a doctoral student	5	3
Evaluation to what extent the instructor adheres to the criteria for passing the class	5	3
T	**4,68**	**40**
Evaluation of the instructor's preparation for teaching the subject, including the implementation of them in remote form - substantive and organizational	4,63	8
Evaluation of materials prepared by the instructor	5	8
Evaluation of the content level of classes	4,63	8
Evaluation of the suitability of an object for the training of a doctoral student	4,25	8

Evaluation of the extent to which the instructor adheres to the criteria for passing the course	5	8
U	**5**	**25**
Evaluation of the instructor's preparation for teaching the subject, including the implementation of them in remote form - substantive and organizational	5	5
Evaluation of materials prepared by the instructor	5	5
Evaluation of the content level of classes	5	5
Evaluation of the suitability of an object for the training of a doctoral student	5	5
Evaluation of the extent to which the instructor adheres to the criteria for passing the course	5	5
W	**4,94**	**16**
Evaluation of the quality of cooperation with the supervisor, his availability and commitment	5	2
Evaluation of the instructor's preparation for teaching the subject, including the implementation of them in remote form - substantive and organizational	5	2
Evaluation of the supervisor's skills - do they provide sufficient support in writing the dissertation?	5	2
Evaluation of supervisor's knowledge - does it provide enough support in writing a dissertation?	4,5	2
Evaluation of materials prepared by the instructor	5	2
Evaluation of the content level of classes	5	2
Evaluation of the suitability of an object for the training of a doctoral student	5	2
Evaluation of the extent to which the instructor adheres to the criteria for passing the course	5	2

W	**5**	**8**
Evaluation of the quality of cooperation with the supervisor, his availability and commitment	5	1
Evaluation of the instructor's preparation for teaching the subject, including the implementation of them in remote form - substantive and organizational	5	1
Evaluation of the supervisor's skills - do they provide sufficient support in writing the dissertation?	5	1
Evaluation of supervisor's knowledge - does it provide enough support in writing a dissertation?	5	1
Evaluation of materials prepared by the instructor	5	1
Evaluation of the content level of classes	5	1
Evaluation of the suitability of an object for the training of a doctoral student	5	1
Evaluation of the extent to which the instructor adheres to the criteria for passing the course	5	1
X	**5**	**15**
Evaluation of the instructor's preparation for teaching the subject, including the implementation of them in remote form - substantive and organizational	5	3
Evaluation of materials prepared by the instructor	5	3
Evaluation of the content level of classes	5	3
Evaluation of the suitability of an object for the training of a doctoral student	5	3
Evaluation of the extent to which the instructor adheres to the criteria for passing the course	5	3
Y	**5**	**8**

Evaluation of the quality of cooperation with the supervisor, his availability and commitment	5	1
Evaluation of the instructor's preparation for teaching the subject, including the implementation of them in remote form - substantive and organizational	5	1
Evaluation of the supervisor's skills - do they provide sufficient support in writing the dissertation?	5	1
Assessment of the supervisor's knowledge - does it provide enough support in writing the dissertation?	5	1
Evaluation of materials prepared by the instructor	5	1
Evaluation of the content level of classes	5	1
Evaluation of the suitability of an object for the training of a doctoral student	5	1
Evaluation of the extent to which the instructor adheres to the criteria for passing the course	5	1
Z	**5**	**15**
Evaluation of the instructor's preparation for teaching the subject, including the implementation of them in remote form - substantive and organizational	5	3
Evaluation of materials prepared by the instructor	5	3
Evaluation of the content level of classes	5	3
Evaluation of the suitability of an object for the training of a doctoral student	5	3
Evaluation of the extent to which the instructor adheres to the criteria for passing the course	5	3
Aa	**5**	**8**
Evaluation of the quality of cooperation with the supervisor, his availability and commitment	5	1

Evaluation of the instructor's preparation for teaching the subject, including the implementation of them in remote form - substantive and organizational	5	1
Evaluation of the supervisor's skills - do they provide sufficient support in writing the dissertation?	5	1
Assessment of supervisor's knowledge - does it provide enough support in writing a dissertation?	5	1
Evaluation of materials prepared by the instructor	5	1
Evaluation of the content level of classes	5	1
Evaluation of the suitability of an object for the training of a doctoral student	5	1
Evaluation of the extent to which the instructor adheres to the criteria for passing the course	5	1
Bb	**4,8**	**40**
Evaluation of the instructor's preparation for teaching the subject, including the implementation of them in remote form - substantive and organizational	4,75	8
Evaluation of materials prepared by the instructor	4,75	8
Evaluation of the content level of classes	4,75	8
Evaluation of the suitability of an object for the training of a doctoral student	4,88	8
Evaluation to what extent the instructor adheres to the criteria for passing the class	4,88	8
Bb	**4,93**	**40**
Evaluation of the instructor's preparation for teaching the subject, including the implementation of them in remote form - substantive and organizational	4,88	8
Evaluation of materials prepared by the instructor	4,88	8

Evaluation of the content level of classes	5	8
Evaluation of the suitability of an object for the training of a doctoral student	5	8
Evaluation of the extent to which the instructor adheres to the criteria for passing the course	4,88	8
Bb	**4,82**	**39**
Evaluation of the instructor's preparation for teaching the subject, including the implementation of them in remote form - substantive and organizational	4,75	8
Evaluation of materials prepared by the instructor	4,86	7
Evaluation of the content level of classes	4,88	8
Evaluation of the suitability of an object for the training of a doctoral student	4,75	8
Evaluation of the extent to which the instructor adheres to the criteria for passing the course	4,88	8
Bb	**5**	**8**
Evaluation of the quality of cooperation with the supervisor, his availability and commitment	5	1
Evaluation of the instructor's preparation for teaching the subject, including the implementation of them in remote form - substantive and organizational	5	1
Evaluation of the supervisor's skills - do they provide sufficient support in writing the dissertation?	5	1
Assessment of the supervisor's knowledge - does it provide enough support in writing the dissertation?	5	1
Evaluation of materials prepared by the instructor	5	1
Evaluation of the content level of classes	5	1

Evaluation of the suitability of an object for the training of a doctoral student	5	1
Evaluation of the extent to which the instructor adheres to the criteria for passing the course	5	1
Cc	**5**	**8**
Evaluation of the quality of cooperation with the supervisor, his availability and commitment	5	1
Evaluation of the instructor's preparation for teaching the subject, including the implementation of them in remote form - substantive and organizational	5	1
Evaluation of the supervisor's skills - do they provide sufficient support in writing the dissertation?	5	1
Evaluation of supervisor's knowledge - does it provide enough support in writing a dissertation?	5	1
Evaluation of materials prepared by the instructor	5	1
Evaluation of the content level of classes	5	1
Evaluation of the suitability of an object for the training of a doctoral student	5	1
Evaluation to what extent the instructor adheres to the criteria for passing the course	5	1

presenter	Comment
a	
a	I receive a lot of support from the Professor. He always has time for me and is very involved in the tasks of the Supervisor.
a	
a	I received a great deal of support from Prof.

a	The lady is very kind and helpful.
b	
b	I greatly appreciate the support I receive from Professor Michalczyk during the writing of my dissertation. His critical comments are extremely valuable and help to improve my work in ways that are sure to enhance its quality. Cooperation with the Professor is characterized by prompt and effective communication, which supports the continuity of work and contributes to the development of my scientific skills. For which I thank you :)!
c	
c	Ms. Professor is a person who pays a lot of attention to her seminarians. She stays in constant contact and is always there to offer advice or support. She understands the difficulties that young researchers face and knows how to help. I heartily recommend working with the Professor.
d	
d	One of the most useful classes during the first semester of classes at the Doctoral School. Both the content of the class and the credit assignments allow you to better prepare for your dissertation work.
d	The instructor was knowledgeable, very helpful and open to help. Especially that she reviewed the assignments and gave suggestions on the topic, as well as queries to the databases. It is a pity that the classes are in a small number of hours.
d	
d	The instructor was knowledgeable, very helpful and open to help. Especially that she reviewed the assignments and gave suggestions on the topic, as well as queries to the databases. It is a pity that the classes are in a small number of hours.
e	
e	One of the best people I have had classes with, substantive, empathetic, helpful.
e	Lady very friendly and helpful; classes of the highest standard
e	

e	Ms. Professor's classes are always 10000% usefulness and knowledge in practice
f	
f	Mr. Professor very interestingly discussed the material, despite the fact that the matter itself was quite extensive, he focused on the most important things. Despite the later hour, the class was very interesting, very cool contact, there were no unanswered questions.
f	
f	Extremely friendly, sharing practical advice. He conducts interesting discussions, in which he allows you to present your point of view. During the course of the class, he referred to the topics of our papers and conducted dissections of them, which allowed us to make appropriate corrections, not only in the title, but also in the construction of the assumptions. He also shared his experience and gave advice on how to avoid unpleasantness in writing a doctoral dissertation / scientific article.
g	
g	Very useful classes for those starting out in the Doctoral School.
g	
g	Her own experiences as a supervisor, reviewer, and committee chairman were used in the course, which only adds to the value. As do the tips gleaned from proceedings where the Professor has served in various capacities.

Summer examination session in the academic year 2022-2023

degree/title	Name of the instructor	Object	class type	average	I.reply.
Ph.	a	Mixed research - essence, types, validity, benefits	WYK	4,8	20
Dr.	b	Commercialization of research results	WYK	4,95	20
Dr.	c	Quantitative methods in scientific research	Ć-K	5	5
Dr.	c	Quantitative methods in scientific research	WYK	5	5
prof. dr. hab.	d	Qualitative methods in scientific research	EXERCISE	5	5
prof. dr. hab.	d	Qualitative methods in scientific research	WYK	5	5
Prof. Dr. Eng.	e	Acquiring Research Grants. Sources of research funding in the Social Sciences	Ć-K	4,75	20
Prof. Dr. Eng.	e	Acquiring Research Grants. Sources of research funding in the Social Sciences	WYK	4,63	19
Prof. Dr. Eng.	e	Preparation of a scientific text - a workshop	Ć-K	4,35	20

Prof. Dr. Eng.	e	Preparation of a scientific text - a workshop	WYK	4,45	20
prof. dr. hab.	f	Research Ethics	WYK	4,95	20
Ph.	g	Doctoral Seminar	SEM	5	8
Ph.	h	Doctoral Seminar	SEM	5	8
Ph.	i	Doctoral Seminar	SEM	5	8
Ph.	j	Doctoral Seminar	SEM	5	8
Ph.	k	Doctoral Seminar	SEM	5	8
Ph.	l	Doctoral Seminar	SEM	5	8
Ph.	m	Doctoral Seminar	SEM	5	8
Ph.	n	Doctoral Seminar	SEM	5	8
Ph.	o	Doctoral Seminar	SEM	5	8
Ph.	p	Doctoral Seminar	SEM	5	8
Ph.	r	Doctoral Seminar	SEM	5	8
Ph.	s	Doctoral Seminar	SEM	5	8
Ph.	t	Doctoral Seminar	SEM	5	8
Ph.	u	Doctoral Seminar	SEM	5	8
Prof. Dr. Eng.	w	Doctoral Seminar	SEM	5	8
prof. dr. hab.	x	Doctoral Seminar	SEM	5	8
prof. dr. hab.	y	Doctoral Seminar	SEM	5	8

prof. dr. hab.	z	Doctoral Seminar	SEM	5	8
prof. dr. hab.	aa	Doctoral Seminar	SEM	5	8
prof. dr. hab.	ab	Doctoral Seminar	SEM	5	8
Ph.	ac	Hypothesis testing in the research process	Ć-K	4,9	20
Ph.	ad	Hypothesis testing in the research process	WYK	4,9	20
Ph.	ae	Speeches presenting research results - workshops	WYK	5	15

Activities	**average**	**l.reply.**
A	**5**	**8**
Evaluation of the quality of cooperation with the supervisor, his availability and commitment	5	1
Evaluation of the instructor's preparation to teach the subject - substantive and organizational	5	1
Evaluation of the supervisor's skills - do they provide sufficient support in writing the dissertation?	5	1
Assessment of the supervisor's knowledge - does it provide enough support in writing the dissertation?	5	1
Evaluation of materials prepared by the instructor	5	1
Evaluation of the content level of classes	5	1
Evaluation of the suitability of an object for the training of a doctoral student	5	1
Evaluation to what extent the instructor adheres to the criteria for passing the class	5	1

B	**5**	**8**
Evaluation of the quality of cooperation with the supervisor, his availability and commitment	5	1
Evaluation of the instructor's preparation to teach the subject - substantive and organizational	5	1
Evaluation of the supervisor's skills - do they provide sufficient support in writing the dissertation?	5	1
Assessment of the supervisor's knowledge - does it provide enough support in writing the dissertation?	5	1
Evaluation of materials prepared by the instructor	5	1
Evaluation of the content level of classes	5	1
Evaluation of the suitability of an object for the training of a doctoral student	5	1
Evaluation of the extent to which the instructor adheres to the criteria for passing the course	5	1
C	**5**	**8**
Evaluation of the quality of cooperation with the supervisor, his availability and commitment	5	1
Evaluation of the instructor's preparation to teach the subject - substantive and organizational	5	1
Evaluation of the supervisor's skills - do they provide sufficient support in writing the dissertation?	5	1
Assessment of supervisor's knowledge - does it provide enough support in writing a dissertation?	5	1
Evaluation of materials prepared by the instructor	5	1
Evaluation of the content level of classes	5	1
Evaluation of the suitability of an object for the training of a doctoral student	5	1

Evaluation of the extent to which the instructor adheres to the criteria for passing the course	5	1
D	**4,9**	**20**
Evaluation of the instructor's preparation to teach the subject - substantive and organizational	5	4
Evaluation of materials prepared by the instructor	4,75	4
Evaluation of the content level of classes	5	4
Evaluation of the suitability of an object for the training of a doctoral student	4,75	4
Evaluation of the extent to which the instructor adheres to the criteria for passing the course	5	4
E	**4,9**	**20**
Evaluation of the instructor's preparation to teach the subject - substantive and organizational	5	4
Evaluation of materials prepared by the instructor	4,75	4
Evaluation of the content level of classes	5	4
Evaluation of the suitability of an object for the training of a doctoral student	4,75	4
Evaluation to what extent the instructor adheres to the criteria for passing the class	5	4
F	**5**	**8**
Evaluation of the quality of cooperation with the supervisor, his availability and commitment	5	1
Evaluation of the instructor's preparation to teach the subject - substantive and organizational	5	1
Evaluation of the supervisor's skills - do they provide sufficient support in writing the dissertation?	5	1

Assessment of supervisor's knowledge - does it provide enough support in writing a dissertation?	5	1
Evaluation of materials prepared by the instructor	5	1
Evaluation of the content level of classes	5	1
Evaluation of the suitability of an object for the training of a doctoral student	5	1
Evaluation of the extent to which the instructor adheres to the criteria for passing the course	5	1
G	**5**	**8**
Evaluation of the quality of cooperation with the supervisor, his availability and commitment	5	1
Evaluation of the instructor's preparation to teach the subject - substantive and organizational	5	1
Evaluation of the supervisor's skills - do they provide sufficient support in writing the dissertation?	5	1
Assessment of supervisor's knowledge - does it provide enough support in writing a dissertation?	5	1
Evaluation of materials prepared by the instructor	5	1
Evaluation of the content level of classes	5	1
Evaluation of the suitability of an object for the training of a doctoral student	5	1
Evaluation of the extent to which the instructor adheres to the criteria for passing the course	5	1
H	**5**	**8**
Evaluation of the quality of cooperation with the supervisor, his availability and commitment	5	1
Evaluation of the instructor's preparation to teach the subject - substantive and organizational	5	1

Evaluation of the supervisor's skills - do they provide sufficient support in writing the dissertation?	5	1
Assessment of supervisor's knowledge - does it provide enough support in writing a dissertation?	5	1
Evaluation of materials prepared by the instructor	5	1
Evaluation of the content level of classes	5	1
Evaluation of the suitability of an object for the training of a doctoral student	5	1
Evaluation of the extent to which the instructor adheres to the criteria for passing the course	5	1
I	**5**	**8**
Evaluation of the quality of cooperation with the supervisor, his availability and commitment	5	1
Evaluation of the instructor's preparation to teach the subject - substantive and organizational	5	1
Evaluation of the supervisor's skills - do they provide sufficient support in writing the dissertation?	5	1
Assessment of the supervisor's knowledge - does it provide enough support in writing the dissertation?	5	1
Evaluation of materials prepared by the instructor	5	1
Evaluation of the content level of classes	5	1
Evaluation of the suitability of an object for the training of a doctoral student	5	1
Evaluation of the extent to which the instructor adheres to the criteria for passing the course	5	1
I	**5**	**8**
Evaluation of the quality of cooperation with the supervisor, his availability and commitment	5	1

Evaluation of the instructor's preparation to teach the subject - substantive and organizational	5	1
Evaluation of the supervisor's skills - do they provide sufficient support in writing the dissertation?	5	1
Assessment of the supervisor's knowledge - does it provide enough support in writing the dissertation?	5	1
Evaluation of materials prepared by the instructor	5	1
Evaluation of the content level of classes	5	1
Evaluation of the suitability of an object for the training of a doctoral student	5	1
Evaluation of the extent to which the instructor adheres to the criteria for passing the course	5	1
J	**4,8**	**20**
Evaluation of the instructor's preparation to teach the subject - substantive and organizational	5	4
Evaluation of materials prepared by the instructor	4,75	4
Evaluation of the content level of classes	5	4
Evaluation of the suitability of an object for the training of a doctoral student	5	4
Evaluation of the extent to which the instructor adheres to the criteria for passing the course	4,25	4
K	**5**	**8**
Evaluation of the quality of cooperation with the supervisor, his availability and commitment	5	1
Evaluation of the instructor's preparation to teach the subject - substantive and organizational	5	1
Evaluation of the supervisor's skills - do they provide sufficient support in writing the dissertation?	5	1

Assessment of supervisor's knowledge - does it provide enough support in writing a dissertation?	5	1
Evaluation of materials prepared by the instructor	5	1
Evaluation of the content level of classes	5	1
Evaluation of the suitability of an object for the training of a doctoral student	5	1
Evaluation of the extent to which the instructor adheres to the criteria for passing the course	5	1
L	**5**	**8**
Evaluation of the quality of cooperation with the supervisor, his availability and commitment	5	1
Evaluation of the instructor's preparation to teach the subject - substantive and organizational	5	1
Evaluation of the supervisor's skills - do they provide sufficient support in writing the dissertation?	5	1
Assessment of supervisor's knowledge - does it provide enough support in writing a dissertation?	5	1
Evaluation of materials prepared by the instructor	5	1
Evaluation of the content level of classes	5	1
Evaluation of the suitability of an object for the training of a doctoral student	5	1
Evaluation of the extent to which the instructor adheres to the criteria for passing the course	5	1
M	**5**	**8**
Evaluation of the quality of cooperation with the supervisor, his availability and commitment	5	1
Evaluation of the instructor's preparation to teach the subject - substantive and organizational	5	1

Evaluation of the supervisor's skills - do they provide sufficient support in writing the dissertation?	5	1
Assessment of the supervisor's knowledge - does it provide enough support in writing the dissertation?	5	1
Evaluation of materials prepared by the instructor	5	1
Evaluation of the content level of classes	5	1
Evaluation of the suitability of an object for the training of a doctoral student	5	1
Evaluation of the extent to which the instructor adheres to the criteria for passing the course	5	1
N	**5**	**15**
Evaluation of the instructor's preparation to teach the subject - substantive and organizational	5	3
Evaluation of materials prepared by the instructor	5	3
Evaluation of the content level of classes	5	3
Evaluation of the suitability of an object for the training of a doctoral student	5	3
Evaluation of the extent to which the instructor adheres to the criteria for passing the course	5	3
O	**5**	**8**
Evaluation of the quality of cooperation with the supervisor, his availability and commitment	5	1
Evaluation of the instructor's preparation to teach the subject - substantive and organizational	5	1
Evaluation of the supervisor's skills - do they provide sufficient support in writing the dissertation?	5	1
Assessment of supervisor's knowledge - does it provide enough support in writing a dissertation?	5	1

Evaluation of materials prepared by the instructor	5	1
Evaluation of the content level of classes	5	1
Evaluation of the suitability of an object for the training of a doctoral student	5	1
Evaluation to what extent the instructor adheres to the criteria for passing the course	5	1
P	**5**	**8**
Evaluation of the quality of cooperation with the supervisor, his availability and commitment	5	1
Evaluation of the instructor's preparation to teach the subject - substantive and organizational	5	1
Evaluation of the supervisor's skills - do they provide sufficient support in writing the dissertation?	5	1
Assessment of supervisor's knowledge - does it provide enough support in writing a dissertation?	5	1
Evaluation of materials prepared by the instructor	5	1
Evaluation of the content level of classes	5	1
Evaluation of the suitability of an object for the training of a doctoral student	5	1
Evaluation of the extent to which the instructor adheres to the criteria for passing the course	5	1
R	**5**	**8**
Evaluation of the quality of cooperation with the supervisor, his availability and commitment	5	1
Evaluation of the instructor's preparation to teach the subject - substantive and organizational	5	1
Evaluation of the supervisor's skills - do they provide sufficient support in writing the dissertation?	5	1

Assessment of the supervisor's knowledge - does it provide enough support in writing the dissertation?	5	1
Evaluation of materials prepared by the instructor	5	1
Evaluation of the content level of classes	5	1
Evaluation of the suitability of an object for the training of a doctoral student	5	1
Evaluation to what extent the instructor adheres to the criteria for passing the course	5	1
S	**5**	**5**
Evaluation of the instructor's preparation to teach the subject - substantive and organizational	5	1
Evaluation of materials prepared by the instructor	5	1
Evaluation of the content level of classes	5	1
Evaluation of the suitability of an object for the training of a doctoral student	5	1
Evaluation of the extent to which the instructor adheres to the criteria for passing the course	5	1
T	**5**	**5**
Evaluation of the instructor's preparation to teach the subject - substantive and organizational	5	1
Evaluation of materials prepared by the instructor	5	1
Evaluation of the content level of classes	5	1
Evaluation of the suitability of an object for the training of a doctoral student	5	1
Evaluation of the extent to which the instructor adheres to the criteria for passing the course	5	1
U	**4,95**	**20**

Evaluation of the instructor's preparation to teach the subject - substantive and organizational	5	4
Evaluation of materials prepared by the instructor	5	4
Evaluation of the content level of classes	5	4
Evaluation of the suitability of an object for the training of a doctoral student	4,75	4
Evaluation of the extent to which the instructor adheres to the criteria for passing the course	5	4
W	**5**	**8**
Evaluation of the quality of cooperation with the supervisor, his availability and commitment	5	1
Evaluation of the instructor's preparation to teach the subject - substantive and organizational	5	1
Evaluation of the supervisor's skills - do they provide sufficient support in writing the dissertation?	5	1
Assessment of supervisor's knowledge - does it provide enough support in writing a dissertation?	5	1
Evaluation of materials prepared by the instructor	5	1
Evaluation of the content level of classes	5	1
Evaluation of the suitability of an object for the training of a doctoral student	5	1
Evaluation to what extent the instructor adheres to the criteria for passing the class	5	1
Z	**4,75**	**20**
Evaluation of the instructor's preparation to teach the subject - substantive and organizational	4,75	4
Evaluation of materials prepared by the instructor	4,75	4
Evaluation of the content level of classes	4,75	4

Evaluation of the suitability of an object for the training of a doctoral student	4,75	4
Evaluation of the extent to which the instructor adheres to the criteria for passing the course	4,75	4
Aa	**4,63**	**19**
Evaluation of the instructor's preparation to teach the subject - substantive and organizational	4,75	4
Evaluation of materials prepared by the instructor	4,67	3
Evaluation of the content level of classes	4,75	4
Evaluation of the suitability of an object for the training of a doctoral student	4,75	4
Evaluation of the extent to which the instructor adheres to the criteria for passing the course	4,25	4
Ab	**4,35**	**20**
Evaluation of the instructor's preparation to teach the subject - substantive and organizational	4,25	4
Evaluation of materials prepared by the instructor	4,5	4
Evaluation of the content level of classes	4,5	4
Evaluation of the suitability of an object for the training of a doctoral student	4,25	4
Evaluation of the extent to which the instructor adheres to the criteria for passing the course	4,25	4
Ac	**4,45**	**20**
Evaluation of the instructor's preparation to teach the subject - substantive and organizational	4,5	4
Evaluation of materials prepared by the instructor	4,75	4
Evaluation of the content level of classes	4,5	4

Evaluation of the suitability of an object for the training of a doctoral student	4,25	4
Evaluation of the extent to which the instructor adheres to the criteria for passing the course	4,25	4
Ad	**5**	**8**
Evaluation of the quality of cooperation with the supervisor, his availability and commitment	5	1
Evaluation of the instructor's preparation to teach the subject - substantive and organizational	5	1
Evaluation of the supervisor's skills - do they provide sufficient support in writing the dissertation?	5	1
Assessment of supervisor's knowledge - does it provide enough support in writing a dissertation?	5	1
Evaluation of materials prepared by the instructor	5	1
Evaluation of the content level of classes	5	1
Evaluation of the suitability of an object for the training of a doctoral student	5	1
Evaluation of the extent to which the instructor adheres to the criteria for passing the course	5	1
Ae	**5**	**5**
Evaluation of the instructor's preparation to teach the subject - substantive and organizational	5	1
Evaluation of materials prepared by the instructor	5	1
Evaluation of the content level of classes	5	1
Evaluation of the suitability of an object for the training of a doctoral student	5	1
Evaluation of the extent to which the instructor adheres to the criteria for passing the course	5	1

Af	**5**	**5**
Evaluation of the instructor's preparation to teach the subject - substantive and organizational	5	1
Evaluation of materials prepared by the instructor	5	1
Evaluation of the content level of classes	5	1
Evaluation of the suitability of an object for the training of a doctoral student	5	1
Evaluation to what extent the instructor adheres to the criteria for passing the class	5	1
Ag	**4,95**	**20**
Evaluation of the instructor's preparation to teach the subject - substantive and organizational	5	4
Evaluation of materials prepared by the instructor	5	4
Evaluation of the content level of classes	5	4
Evaluation of the suitability of an object for the training of a doctoral student	4,75	4
Evaluation of the extent to which the instructor adheres to the criteria for passing the course	5	4
Ah	**5**	**8**
Evaluation of the quality of cooperation with the supervisor, his availability and commitment	5	1
Evaluation of the instructor's preparation to teach the subject - substantive and organizational	5	1
Evaluation of the supervisor's skills - do they provide sufficient support in writing the dissertation?	5	1
Assessment of supervisor's knowledge - does it provide enough support in writing a dissertation?	5	1
Evaluation of materials prepared by the instructor	5	1

Evaluation of the content level of classes	5	1
Evaluation of the suitability of an object for the training of a doctoral student	5	1
Evaluation of the extent to which the instructor adheres to the criteria for passing the course	5	1
Ai	**5**	**8**
Evaluation of the quality of cooperation with the supervisor, his availability and commitment	5	1
Evaluation of the instructor's preparation to teach the subject - substantive and organizational	5	1
Evaluation of the supervisor's skills - do they provide sufficient support in writing the dissertation?	5	1
Assessment of supervisor's knowledge - does it provide enough support in writing a dissertation?	5	1
Evaluation of materials prepared by the instructor	5	1
Evaluation of the content level of classes	5	1
Evaluation of the suitability of an object for the training of a doctoral student	5	1
Evaluation of the extent to which the instructor adheres to the criteria for passing the course	5	1
Aj	**5**	**8**
Evaluation of the quality of cooperation with the supervisor, his availability and commitment	5	1
Evaluation of the instructor's preparation to teach the subject - substantive and organizational	5	1
Evaluation of the supervisor's skills - do they provide sufficient support in writing the dissertation?	5	1

Assessment of supervisor's knowledge - does it provide enough support in writing a dissertation?	5	1
Evaluation of materials prepared by the instructor	difficult to assess	1
Evaluation of the content level of classes	5	1
Evaluation of the suitability of an object for the training of a doctoral student	5	1
Evaluation to what extent the instructor adheres to the criteria for passing the class	5	1
Ak	**5**	**8**
Evaluation of the quality of cooperation with the supervisor, his availability and commitment	5	1
Evaluation of the instructor's preparation to teach the subject - substantive and organizational	5	1
Evaluation of the supervisor's skills - do they provide sufficient support in writing the dissertation?	5	1
Assessment of supervisor's knowledge - does it provide enough support in writing a dissertation?	5	1
Evaluation of materials prepared by the instructor	5	1
Evaluation of the content level of classes	5	1
Evaluation of the suitability of an object for the training of a doctoral student	5	1
Evaluation of the extent to which the instructor adheres to the criteria for passing the course	5	1

presenter	Comment
a	
a	Very substantive classes. The instructor is undoubtedly an expert in the subject area discussed, which makes her excellent to listen to and provides a great deal of valuable information.
b	
b	The best Supervisor and mentor I could have come across. Great cooperation.
b	Super!
c	
c	It would be nice to work on case studies, to have more hands-on exercises during class.
d	
d	Mr. Professor's professional experience provides invaluable support in writing his dissertation
d	Professor's involvement in monitoring progress of dissertation preparation greatly facilitates organization of research work
e	
e	Very cool classes, Ms. Professor helpful and open to talking to the group.
e	
e	invaluable support and commitment :)
f	

f	Ms. Professor is a person of high personal culture, cordial, helpful. She provides both the substantive support previously described and broad emotional support. Ms. Professor is characterized by high availability regardless of the number of her own duties. Ms. Professor is open to academic discussions which allows the doctoral student to verify and optimize their ideas and research. At the same time, Ms. Professor's knowledge of research methodology impresses and at the same time mobilizes one to improve one's own research technique.
f	Ms. Professor has a wealth of knowledge, which she is able to skillfully convey. At the same time, she is a scientist who is constantly expanding her horizons and actively conducting research. As a result, a doctoral student coming to the seminar can always expect discussions going in the direction of the latest trends, theories or phenomena known to science. Ms. Professor is also eager to share familiar tools, the use of which can significantly improve the quality of the doctoral thesis being prepared by the student.
g	
g	The materials sent by Mrs. Professor are excellent teaching material, both for scientific development and professional work
h	
h	I couldn't think of a better supervisor :))))

Matrix depicting the achievement of learning outcomes of doctoral students within individual subjects. An element of systematisation of the verification of learning outcomes in SD in the NQF Syllabus. Subjects are duplicated as they have been shown for two disciplines.

COURSE	K_W01	K_W02	K_W03	K_W04	K_W05	K_W06	K_U01	K_U02	K_U03	K_U04	K_U05	K_U06	K_U07	K_K01	K_K02	K_K03	K_K04	K_K05	K_K06	SUM W	SUM U	SUM K
Advanced International Business and Economics	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	0	1	1	6	6	5
Data analysis using the R environment	0	0	0	1	0	0	0	0	0	1	0	1	0	1	0	0	0	0	0	1	2	1
Health and safety at work	1	0	0	0	0	0	1	1	0	0	0	0	0	1	1	0	0	0	0	1	2	2
Case Study Research Workshop	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	6	7	6
Design Thinking Workshop (DT Creative Workshop)	1	1	1	1	1	0	1	1	1	1	1	0	1	1	1	1	1	1	1	5	6	6
Experiments in economic research	1	1	1	1	0	1	1	1	0	1	0	0	1	1	1	0	1	1	1	5	4	5
Philosophy of science	0	1	0	0	1	1	0	0	0	1	0	0	0	0	1	0	1	0	1	3	1	3
Commercialisation of research results	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	1	1	1	1	2
Quantitative methods in research	0	1	1	0	0	0	0	1	0	1	0	0	1	0	1	0	1	0	1	2	3	3
Quantitative methods in research	0	1	1	0	0	0	0	1	0	1	0	0	1	0	1	0	1	0	1	2	3	3
Qualitative methods in research	1	1	0	1	0	0	1	0	1	1	0	1	1	1	1	1	1	0	1	3	5	5
Qualitative methods in research	1	1	0	1	0	0	1	0	1	1	0	1	1	1	1	1	1	0	1	3	5	5
Research methodology and methodology	1	1	1	0	0	1	1	1	0	0	0	0	0	0	1	1	0	1	1	4	2	4
Teaching methodology in higher education	0	0	0	0	1	1	0	1	0	0	0	1	0	0	1	1	0	0	0	2	2	2
Modern teaching techniques	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	1	0	1	1	1	2
Modern teaching techniques	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	1	0	1	1	1	2
Open doctoral session	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Doctoral proceedings in scientific disciplines	1	0	0	0	0	0	1	0	0	0	0	0	0	1	1	1	1	0	1	1	1	5

Acquiring research grants. Sources of research funding in the Social Sciences	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	7	6
Acquiring research grants. Sources of research funding in the Social Sciences	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	7	6
Professional practice	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Literature review (types and methodology) - workshop	0	1	0	0	0	0	1	0	0	1	0	0	0	0	1	0	0	0	0	1	2	1
Preparing a scientific text - workshop	1	1	1	1	1	1	1	1	1	1	0	1	0	1	1	1	1	1	1	6	5	6
Preparing a scientific text - workshop	1	1	1	1	1	1	1	1	1	1	0	1	0	1	1	1	1	1	1	6	5	6
Research Ethics	1	0	1	1	0	1	0	0	0	0	1	1	1	0	1	0	1	0	1	4	3	3
Research Problems in Economics and Finance	1	1	1	0	1	0	1	0	1	1	0	0	0	1	1	1	0	1	1	4	3	5
Research Problems in Management and Quality Sciences	1	1	1	0	0	1	1	1	0	1	1	1	0	1	1	1	0	0	1	4	5	4
Doctoral seminar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Artificial intelligence in management, economics and finance	0	1	1	0	0	0	1	0	0	1	0	0	0	0	0	1	0	1	0	2	2	2
Artificial intelligence in management, economics and finance	0	1	1	0	0	0	1	0	0	1	0	0	0	0	0	1	0	1	0	2	2	2
Hypothesis testing in the research process	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	1	1	1
Workshop - self-presentation and public speaking. Voice as a key element of self-presentation	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	1	0	1	1	1
Workshop - self-presentation and public speaking. Voice as a key element of self-presentation	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	1	0	1	1	1
Workshops - voice projection and culture of the living word	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	1	0	0	1	1	1
Presentations of research findings - workshops	1	1	1	1	1	1	1	0	1	1	0	1	0	1	1	1	1	1	1	6	4	6
Presentations of research findings - workshops	1	1	1	1	1	1	1	0	1	1	0	1	0	1	1	1	1	1	1	6	4	6
Advanced macroeconomics: selected topics	1	1	1	1	1	0	1	1	0	1	1	1	1	1	1	1	0	1	0	5	6	4
SUM	20	22	17	13	14	17	21	17	15	23	8	15	12	18	24	20	19	18	23			

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Author or co-author of a scientific monograph / scientific monographs:

1. Piwowar-Sulej Katarzyna, Bąk-Grabowska Dominika, Grzesik Katarzyna [et al.]: Zrównoważone Zarządzanie Zasobami Ludzkimi – wybrane zagadnienia, 2023, Wrocław University of Economics and Science Publishing House, pp. 90., ISBN 9788367400121. DOI:10.15611/2022.13.8
2. Pietroń-Pyszczek Agata, Piwowar-Sulej Katarzyna: Stymulowanie innowacyjności pracowników: problemy praktyczne, 2013, Wrocław, Marina Publishing House, pp. 132, ISBN 978-83-61872-64-1
3. Piwowar-Sulej Katarzyna: Zrównoważony rozwój personelu poprzez szkolenia, 2022, Wrocław, Wrocław University of Economics and Science Publishing House, pp. 195, ISBN 9788376959726
4. Piwowar-Sulej Katarzyna: Zarządzanie ludźmi w organizacjach zorientowanych na projekty, 2016, Warszawa, Difin, 282 pp., ISBN 9788379309337
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Editorial from the monograph:

1. Piwowar-Sulej Katarzyna, Sołtysik Mariusz Afiliacja zewnętrzna autora: Uniwersytet Ekonomiczny w Krakowie (ed.): Sustainability and Agile Project Management: Methodologies for Sustainable Development, 2025, Routledge, 137 pp., ISBN 9781032410609. DOI: 10.4324/9781003356059
2. Sołtysik Mariusz, Afiliacja zewnętrzna autora: Uniwersytet Ekonomiczny w Krakowie Tyrańska Małgorzata, Afiliacja zewnętrzna autora: Uniwersytet Ekonomiczny w Krakowie Piwowar-Sulej Katarzyna [et al.] (ed.): Sustainable Human Resource Management. Strategy, Organizational Innovation and Leadership in Industry 5.0, Studies in Management, Organizations and Society, 2025, New York, Routledge, 148 pp., ISBN 9781003458432. DOI: 10.4324/9781003458432

Authorship or co-authorship of a chapter in a scientific monograph / chapters in a scientific monograph:

1. Marciszewska Anna, Brajer-Marczak Renata, Zabłocka-Kluczka Afiliacja zewnętrzna publikacji: Politechnika Wrocławska: Sustainable project management in nonprofit organizations. Research results from Poland, IN: Sustainability and Agile Project Management: Methodologies for Sustainable Development / Piwowar-Sulej Katarzyna, Sołtysik Mariusz (ed.), 2025, Routledge, pp. 87-107, ISBN 9781032410609. DOI:10.4324/9781003356059-6
2. Marciszewska Anna, Brajer-Marczak Renata, Piwowar-Sulej Katarzyna: Zielone zarządzanie zespołem jako element zielonego zarządzania projektami, IN: Zarządzanie organizacjami w społeczeństwie informacyjnym. Transformacje - projekty - procesy / Walas-Trębacz Jolanta, Zakrzewska Małgorzata (ed.), 2024, Towarzystwo Naukowe Organizacji i Kierownictwa. Dom Organizatora Publishing House, pp. 217-227, ISBN 9788367153713
3. Cierniak-Emerych Anna, Piwowar-Sulej Katarzyna: Employee empowerment – terminological and practical perspective, IN: Proceedings of the 9th International Conference on Applied Economics / Balcerzak Adam P., Pietryka Ilona (ed.), Contemporary Issues in Economy, 2017, no 9, Toruń, Institute of Economic Research; Polish Economic Society Branch in Toruń, pp. 128-139, ISBN 9788365605061
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80. Piwowar-Sulej Katarzyna, Marniok Dorota Afiliacja zewnętrzna autora: Idea Getin Leasing PP.A.: Rola aspektów społecznych, technicznych i organizacyjnych w kształtowaniu kultury bezpieczeństwa pracy – studium przypadku przedsiębiorstw z branży finansowej, Zarządzanie Zasobami Ludzkimi, 2019, vol. 128-129, no 3-4, pp. 61-72
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- **Other journal articles::**

1. Piwowar-Sulej Katarzyna: Achieving HR Function Consistency as a Challenge for HR Practitioners in Project-oriented Organizations, Electronic Journal of Knowledge Management, 2017, vol. 15, no 3, pp. 194-203
2. Piwowar-Sulej Katarzyna: Zrównoważone ZZL w uczelni, Impakt Dolny Śląsk. Przegląd Think Tanku Uniwersytetu Ekonomicznego we Wrocławiu, 2024, no 1, pp. 48-50
3. Piwowar-Sulej Katarzyna: Personnel function in a project-oriented organization - its form and a matter of consistency, International Journal of Academic Research, 2014, vol. 6, no 2, pp. 249-253. DOI:10.7813/2075-4124.2014/6-2/B.37
4. Piwowar-Sulej Katarzyna: Factors in motivating Generation Y Employees – Polish Realities, Journal of International Scientific Publications : Economy & Business, 2014, vol. 8, pp. 1124-1131
5. Piwowar-Sulej Katarzyna: Kultura organizacyjna a dojrzałość projektowa organizacji, Studia i Prace WNEiZ US, 2015, no 39/4, pp. 249-261
6. Piwowar-Sulej Katarzyna: Work in Projects against Forms of Work – Polish Perspective, Universal Journal of Management, 2014, vol. 2, no 1, pp. 34-39. DOI:10.13189/ujm.2014.020105
7. Bodak Andrzej, Cierniak-Emerych Anna, Gableta Małgorzata [et al.]: Improving the Flexibility of Employment in Polish Economic Practice, World Academy of Science, Engineering and Technology, 2013, no 79, pp.1477-1481

Managing a financial research project in a national or international competition:

NCN Sonata 5 2013/09/D/HS4/00566, funded by NCN

[2013/09/D/HS4/00566] HR function in a project-oriented organisation. Project manager at WUEB: Katarzyna Piwowar-Sulej, start date 14-02-2014, end date 13-11-2017, Completed - cleared COBN (COP_01).
The scientific objective of the project will be to identify, analyse and evaluate activities related to the specificity of the implementation of the personnel function in project-oriented enterprises. This specificity is based on the dual course of this function the organisation-wide arena and within the individual project.

Contractor in a research project(s) funded through either a national or international competition:

01.04.2021-30.06.2021 research internship (virtual cooperation due to pandemic) at the Department of Management of the University of Economics in Bratislava
During my internship, I participated in a research project entitled Human Resource Management Systems in the Era of Industry 4.0 (project number: 1/0412/19) funded by the Slovak Scientific Agency VEGA. My role was to participate in the development of a research tool for the HRM model of companies in the process of digital transformation. The internship also resulted in the preparation of a list of research areas for future joint projects.
The internship resulted in a publication:
K. Piwowar-Sulej, J. Blštáková, L. Ližbetinová,, B. Zagorsek, The impact of digitalization on employees' future competencies: has human resource development a conditional role here?, "Journal of Organizational Change Management" 2024, Vol. 37 No. 8, pp. 36-52. https://doi.org/10.1108/JOCM-10-2023-0426.
Another publication is under review:
N. Jankelova, K. Piwowar-Sulej, A. Romanova, Unlocking International SME Success: The Crucial Role of Dynamic Management Capabilities in Driving International Entrepreneurial Orientation, submitted to "Europen Business Rveiew".

Research internship/project participation at a national institution:

01.01.2021-30.04.2021 research internship (virtual cooperation due to pandemic) at the Department of Management Processes, Cracow University of Economics
During my internship, I participated in research work carried out as part of the following projects:

1) Project title: Directions and trends in basic research in management and quality sciences.

Programme name: POTENTIAL 2020, project implemented by the Department of Management Processes
Contract no: 85/ZZP/2020/POT
Implementation period: 2020-2022

2) Project title: Social - economic consequences of the fourth industrial revolution

Programme name: Regional Excellence Initiative, MNiSW,
Implementation period: 2019-2022
Project number: 021/RID/2018/19
Research area: Complexity of organisational management under the conditions of the fourth industrial revolution
The internship resulted in the following publications:

- M. Zakrzewska, Sz. Jarosz, K. Piwowar-Sulej, A. Sagan, M. Sołtysik, The linkage between Agile Project Management and Sustainable Development - a theoretical and empirical view, "Sustainable Development" 2022, 30 (5), 855-869, doi:10.1002/sd.2285 100 pts, IF 12.5, Q1
- M. Zakrzewska, Sz. Jarosz, K. Piwowar-Sulej, M. Sołtysik, Enterprise agility - its meaning, managerial expectations and barriers to implementation - a survey of three countries, "Journal of Organizational Change Management" 2022, Vol. 35 No. 3, pp. 488-510. https://doi.org/10.1108/JOCM-02-2021-006110.1108/JOCM-02-2021-0061 70 pts, IF 2.8, 2 points on AJG list, Q2
- K. Piwowar-Sulej, S. Wawak, M. Tyrańska, M. Zakrzewska, Sz. Jarosz, M. Sołtysik, Research trends in Human Resource Management. A text-mining-based literature review, International Journal of Manpower 2023, 44 (1), 176-196. https://doi.org/10.1108/IJM-03-2021-0183, 70 pts, IF 4.4, 2 points on AJG list, Q1, lead author

Internship at a foreign or national academic centre or research institution:

Research internship/participation in a project funded through foreign competitions:

01.04.2021-30.06.2021 research internship (virtual cooperation due to pandemic) at the Department of Management of the University of Economics in Bratislava
During my internship, I participated in a research project entitled Human Resource Management Systems in the Era of Industry 4.0 (project number: 1/0412/19) funded by the Slovak Scientific Agency VEGA. My role was to participate in the development of a research tool for the HRM model of companies in the process of digital transformation. The internship also resulted in the preparation of a list of research areas for future joint projects.
The internship resulted in a publication:

- K. Piwowar-Sulej, J. Blštáková, L. Ližbetinová,, B. Zagorsek, The impact of digitalization on employees' future competencies: has human resource development a conditional role here?, "Journal of Organizational Change Management" 2024, Vol. 37 No. 8, pp. 36-52. https://doi.org/10.1108/JOCM-10-2023-0426.

Another publication is under review:

- N. Jankelova, K. Piwowar-Sulej, A. Romanova, Unlocking International SME Success: The Crucial Role of Dynamic Management Capabilities in Driving International Entrepreneurial Orientation, submitted to "Europen Business Rveiew".

Research internship/project participation at a national institution:

01.01.2021-30.04.2021 research internship (virtual cooperation due to pandemic) at the Department of Management Processes, Kraków University of Economics
During my internship, I participated in research work carried out as part of the following projects:

1) Project title: Directions and trends in basic research in management and quality sciences.

Programme name: POTENTIAL 2020, project implemented by the Department of Management Processes
Contract no: 85/ZZP/2020/POT
Implementation period: 2020-2022

2) Project title: Social - economic consequences of the fourth industrial revolution

Programme name: Regional Excellence Initiative, MNiSW,
Implementation period: 2019-2022
Project number: 021/RID/2018/19
Research area: Complexity of organisational management under the conditions of the fourth industrial revolution
The internship resulted in the following publications:

- M. Zakrzewska, Sz. Jarosz, K. Piwowar-Sulej, A. Sagan, M. Sołtysik, The linkage between Agile Project Management and Sustainable Development - a theoretical and empirical view, "Sustainable Development" 2022, 30 (5), 855-869, doi:10.1002/sd.2285 100 pts, IF 12.5, Q1
- M. Zakrzewska, Sz. Jarosz, K. Piwowar-Sulej, M. Sołtysik, Enterprise agility - its meaning, managerial expectations and barriers to implementation - a survey of three countries, "Journal of Organizational Change Management" 2022, Vol. 35 No. 3, pp. 488-510. https://doi.org/10.1108/JOCM-02-2021-006110.1108/JOCM-02-2021-0061 70 pts, IF 2.8, 2 points on AJG list, Q2
- K. Piwowar-Sulej, S. Wawak, M. Tyrańska, M. Zakrzewska, Sz. Jarosz, M. Sołtysik, Research trends in Human Resource Management. A text-mining-based literature review, International Journal of Manpower 2023, 44 (1), 176-196. https://doi.org/10.1108/IJM-03-2021-0183, 70 pts, IF 4.4, 2 points on AJG list, Q1, lead author

Research internship at a national institution:

01.09.2019-31.12.2019 research internship at the Department of Human Resource Management, University of Economics in Katowice
The aim of the internship was to exchange experiences in research, publishing and teaching (popularising science and training young scientists), leading, among other things, to the identification of areas for future joint scientific endeavours and the initiation of a first research collaboration.

I had the opportunity to familiarise myself with the research topics carried out within the Department of Human Resource Management. Among other things, I analysed the publications in the Department's output. I was also recommended as a scientific supervisor for a person who works in business on a daily basis and intends to write his doctoral thesis externally (Rafał Mroziewski, M.Sc.).

Foreign or domestic scholarships / bursaries received

Wrocław University of Economics; WUEB Rector's scholarship awarded for the year 2024

Awards and distinctions received (national and international):

- Outstanding Paper. Emerald Awards 2024 Literati, 2024
- Rector's First Class Award for Scientific Achievement in 2023, 2024
- Rector's first level awards for obtaining a degree/title or obtaining an honorary doctorate in 2023, 2024
- Ranking of the top 2% of scientists in the world 2023, 2024
- Distinction in the 15th competition for scientific papers in management sciences produced between 2021 and 2022 in the category Single-author scientific monographs for the paper "Sustainable staff development through training", 2024
- Outstanding Reviewer. Emerald Awards 2023 Literati, 2023
- Rector's Third Degree Award for achievement in 2022 in the area of education and education of students or participation in doctoral education, 2023
- Outstanding Paper. Emerald Awards 2023 Literati, 2023
- Rector's First Class Achievement Award 2022 in the area of conducting scientific activities, 2023
- Rector's First Class Achievement Award 2022 in the area of performance of organisational activities, 2023
- Rector's First Class Award for Achievements in the Organizational Area in 2021, 2021
- Rector's First Class Award for achievements in scientific activity in 2021, 2021
- Rector's First Class Award for research achievements in 2019, 2020
- Quality allowance, 2024
- Scholarship from the own scholarship fund of Wrocław University of Economics 2022/2023, 2024
- First degree scientific allowance, 2024
- Level II scientific allowance, 2023
- Pro-quality allowance, 2023
- Level II scientific allowance, 2022

Participation in programmes and training as a listener:

Training in grant proposal preparation, training in writing literature reviews, training in qualitative data analysis (organised by WUEB)

Participation in programmes and training courses as a presenter:

Mentor in the first edition of the "Scientific Mentoring" project (WUEB)
Mentor at Publons Academy (an online course dedicated to the development of skills in developing reviews for reputable journals); student mentorship: Marcos Ferasso, PhD, Universidad de Lima (Peru) – 2021

Cooperation with a foreign university or research institution:

Data is given above in placements.
Additionally, collaborations with universities such as Sichuan University in China, King Fahd University of Petroleum and Minerals in Saudi Arabia, Great Lakes Institute of Management (Gurgaon) in India, Faculty of Hospitality and Tourism, Prince of Songkla University, Phuket Campus in Thailand and others (joint research projects, publications).

Presenting a scientific paper at the conference:

- **Conference material:**

1. Iqbal Qaisar, Author's external affiliation: Sichuan University of Science and Engineering Piwowar-Sulej Katarzyna: Sustainable Leadership, Justice Climate And Organizational Citizenship Behavior Towards Environment, Academy of Management Proceedings, 2022, vol. 2022, no. 1, pp. 1-1 Skip to document by digital identifier DOI:10.5465/AMBPP.2022.12797
2. Piwowar-Sulej Katarzyna, Podsiadły Krzysztof Krzysztof: Implementation of a Mixed Project Management Methodology: a Case Study of a Chocolate Confectionery Company, In: Business and Non-Profit Organizations Facing Increased Competition and Growing Customers' Demands. Proceedings of the 17th Conference of Scientists and Business People Tomaszowice, Poland, 18-19 June 2018 / Nalepka Adam, Ujwary-Gil Anna (eds.), Business and Non-profit Organizations Facing Increased Competitions and

Growing Customers' Demands, 2018, vol. 17, Nowy Sącz, Foundation for the Dissemination of Knowledge and Science "Cognitione", pp. 95-109, ISBN 9788395108228

3. Piwowar-Sulej Katarzyna: HR function in Project-Oriented Organisations and the Problem of its Internal Consistency, In: Proceedings of the 9th European Conference on Intellectual Capital / Lopes Illido Tomas, Serrasqueiro Rogerio (eds.), Conference Proceedings. European Conference on Intellectual Capital, 2017, Lisbon, Instituto Universitario de Lisboa, pp. 238-246, ISBN 9781911218302
4. Piwowar-Sulej Katarzyna, Podsiadły Krzysztof: Relationships Between Technological Innovation and Labour Market - Results of Literature Studies, In: Proceedings of the 10th International Conference on Applied Economics Contemporary Issues in Economy: Economics / Balcerzak Adam P., Pietryka Ilona (eds.), Contemporary Issues in Economy , 2019, Olsztyn, Institute for Economic Research, pp. 311-318, ISBN 9788365605115 Skip to document by digital identifier DOI:10.24136/eep.proc.2019.1
5. Sulich Adam, Piwowar-Sulej Katarzyna: The inter-organizational green careers - literature review and a conceptual framework, In: 17th International Conference on Environmental Science & Technology. Empowering science to deliver change / Lekkas D. F. (ed.), 2021, Greece, COSMOS, pp. 593-593, ISBN 9786188629219
6. Piwowar-Sulej Katarzyna, Ferasso Marcos, Author's external affiliation: Universidade Comuniaria da Regiao de Chapeco, Sulich Adam: Green Jobs in multinational companies - an initial network and content analysis, In: 17th International Conference on Environmental Science & Technology. Empowering science to deliver change / Lekkas D. F. (ed.), 2021, Greece, COSMOS, pp. 639-639, ISBN 9786188629219
7. Piwowar-Sulej Katarzyna: Green organisational culture - its essence, elements and methods of diagnosis, In: 17th International Conference on Environmental Science & Technology. Empowering science to deliver change / Lekkas D. F. (ed.), 2021, Greece, COSMOS, pp. 638-638, ISBN 9786188629219
8. Piwowar-Sulej Katarzyna, Kołodziej Izabela, Podsiadły Krzysztof: Barriers to Technological Innovation for Small Local Confectionery Companies, In: Proceedings of the 14th European Conference on Innovation and Entrepreneurship ECIE 2019 / Liargovas Panagiotis, Kakouris Alexandros (eds.), 2019, Reading, Academic Conferences and Publishing International Limited, pp. 795-803, ISBN 9781912764341
9. Piwowar-Sulej Katarzyna: Management by projects - a challenge for personnel policy, In: The International Conference Hradec Economic Days 2014. Economic Development and Management of Regions. Peer-Reviewed Conference Proceedings, Part V / Jedlicka Pavel (ed.), 2014, Hradec Králové, Gaudeamus, pp. 162-168, ISBN 978-80-7435-370-3
10. Piwowar-Sulej Katarzyna: Types of Organizational Culture in the context of Project Management Methodologies, In: Education Excellence and Innovation Management: A 2025 Vision to Sustain Economic Development during Global Challenges / Soliman Khalid S. (ed.), 2020, International Business Information Management Association (IBIMA), pp. 1160-1171, ISBN 9780999855141
11. Piwowar-Sulej Katarzyna: Personnel Process in a Project - the Form and Implementation Practice, In: Business and non-profit organisations facing increased competition and

growing customers' demands / Nalepka Adam, Ujwary-Gil Anna (eds.), 2017, No. 16, Nowy Sącz, Wyższa Szkoła Biznesu, pp. 105-116, ISBN 9788394914400

12. Piwowar-Sulej Katarzyna: Human Resources Management in the Industrial Revolution 4.0: General and Polish Perspective, In: Hradec Economic Days Vol. 8(2). Double-blind peer-reviewed proceedings paart II of the international scientific conference Hradec Economic Days 2018 / Jedlicka Pavel, Maresova Petra, Soukal Ivan (eds.), 2018, Hradec Kralove, University of Hradec Kralove, pp. 179-187, ISBN 9788074357015
13. Piwowar-Sulej Katarzyna: Experiment as a Research Method in the Field of Human Resource Management: A Literature Review, In: The Proceedings of the 17th European Conference on Research Methodology for Business and Management Studies ECRM 2018 / Demartini Paola, Marchiori Michela (eds.), 2018, Reading, Academic Conferences and Publishing International Limited , pp. 310-318, ISBN 9781911218937
14. Piwowar-Sulej Katarzyna, Podsiadły Krzysztof: Relationships Between Technological Innovation and Labour Market - Results of Literature Studies, In: Contemporary Issues in Economy. Abstract Book 27-28 June 2019 / Balcerzak Adam P., Pietryka Ilona (eds.), 2019, Toruń, Institute of Economic Research, pp. 211-211, ISBN 9788365605108
15. Piwowar-Sulej Katarzyna, Kwil Izabela, Podsiadły Krzysztof: Barriers to Technological Innovation for Small Local Confectionery Companies, In: Abstracts of Papers Presented at the 14th European Conference on Innovation and Entrepreneurship ECIE 2019, 2019, Reading, Academic Conferences and Publishing International Limited, pp. 148-148, ISBN 9781912764341 Skip to document by digital identifier DOI:10.34190/ECIE.19.141
16. Piwowar-Sulej Katarzyna, Austen Agata: Using the Design Thinking Concept in HR Department Image Development, In: Vision 2025: Education Excellence and Management of Innovations through Sustainable Economic Competitive Advantage. Proceedings of the 34th International Business Information Management Association Conference (IBIMA) / Soliman Khalid S. (ed.), 2019, International Business Information Management Association, pp. 10869-10879, ISBN 9780999855133
17. Piwowar-Sulej Katarzyna: Dilemmas of HRM in a Project-Oriented Organisation, World Academy of Science, Engineering and Technology, 2016, vol. 24, no. 18(5), pp. 3445-3449

- **Unpublished conference material:**

1. Piwowar-Sulej Katarzyna: Conflicts as the Symptom of Social Problems in a Project-Oriented Organization, 110-111 pp, 2015, 16th Eurasia Business and Economics Society Conference 2015, abstract
2. Sulich Adam, Piwowar-Sulej Katarzyna: The inter-organizational green careers - literature review and conteptual framework, 2021, 17th International Conference on Environmental Science and Technology 2021, poster
3. Sulich Adam, Piwowar-Sulej Katarzyna: The inter-organizational green careers - literature review and a conceptual framework, 1-2 pp, 2021, 17th International Conference on Environmental Science and Technology 2021, paper presented

4. Piwowar-Sulej Katarzyna: The practice of green HRM in Poland - with the focus on elements of HR function, 1-10 p., 2021, XI Ogólnopolski Zjazd Katedr Zarządzania Zasobami Ludzamikimi 2021, paper presented
5. Piwowar-Sulej Katarzyna: Symptoms of pro-environmental culture in companies located in Poland , 1-14 p., 2021, 20th Jubilee Conference ECONOMY - FINANCE - MANAGEMENT: Challenges in economic, public and trade policies in the era of digital transformation 2021, paper presented
6. Piwowar-Sulej Katarzyna: Green organizational culture - its essence, elements and methods of diagnosis, 2021, 17th International Conference on Environmental Science and Technology 2021, poster
7. Piwowar-Sulej Katarzyna: Green organizational culture - its essence, elements and methods of diagnosis, 1-2 pp, 2021, 17th International Conference on Environmental Science and Technology 2021, paper presented
8. Piwowar-Sulej Katarzyna, Górak-Sosnowska External affiliation of author: Warsaw School of Economics: The well-being of female administrative staff in managerial positions at Polish Higher Education Institutions, 1-21 pp, 2021, International Conference "Women in Management. Experiences from Central and Eastern European Countries" 2021, paper presented
9. Piwowar-Sulej Katarzyna, Ferasso Marcos External author affiliation: Universidade Comuniaria da Regiao de Chapeco, Sulich Adam: Green Jobs in multinational companies - an initial network and content analysis, 2021, 17th International Conference on Environmental Science and Technology 2021, poster.
10. Piwowar-Sulej Katarzyna, Ferasso Marcos External author affiliation: Universidade Comuniaria da Regiao de Chapeco, Sulich Adam: Green Jobs in multinational companies - an initial network and content analysis, 1-2 p., 2021, 17th International Conference on Environmental Science and Technology 2021, paper presented
11. Piwowar-Sulej Katarzyna: Training practices in the context of the COVID-19 pandemic - results of an empirical study, 1 p., 2022, VIII All-Poland Scientific Conference "Hybrid Enterprise" 2022, poster
12. Piwowar-Sulej Katarzyna: Sustainable human resource management. A review of the literature with special reference to studies from Poland, 1-15 pp, 2023, XII National Convention of Human Resources Management Departments 2023, presentation
13. Piwowar-Sulej Katarzyna: Sustainability competencies as an object of formation in the development of human capital of organizations, 1-11 pp, 2023, Scientific Seminar "Human capital under uncertainty - challenges and implications" 2023, presentation
14. Piwowar-Sulej Katarzyna: How the long-term perspective is respected in HR development process. The transformation towards sustainable organizations, 1 p., 2023, International Scientific Conference "The enterprise and its environment. Economic, legal and social challenges" 2023, paper presented
15. Piwowar-Sulej Katarzyna: How the long term perspective is respected in HR development process. The transformation towards sustainable organizations, 1-11 pp,

2023, International Scientific Conference "The enterprise and its environment. Economic, legal and social challenges" 2023, presentation

16. Piwowar-Sulej Katarzyna: Doctoral student and doctor on the labour market, 1-23 p., 2024, Doctoral School Forum "Scientific career and professional work" 2024, presentation
17. Piwowar-Sulej Katarzyna, Austen Agata External affiliation of the author: University of Economics in Katowice: Sustainable competences in terminological, classification and bibliometric aspects, 1-16 p., 2024, 5th Scientific Conference "Human capital in enterprise and economy - an interdisciplinary perspective" 2024, presentation
18. Marciszewska Anna, Brajer-Marczak Renata, Piwowar-Sulej Katarzyna: Green team management as an element of green project management, 1-10 p., 2024, XII Scientific Conference Managing Organizations in the Information Society "Contemporary challenges of project and process management" 2024, presentation

Participation in the organising or scientific committee(s) of an international or national conference:

- Programme Committee Member, Programme Committee Member Sustainable HRM Conference - an International Perspective, In: Sustainable HRM Conference - an International Perspective (SHRM Conference 2024), 2024, 24-04-2024 - 25-04-2024, Warsaw, Poland, 2024

Membership of editorial committees

- Membership of editorial committees, editing of journal, series, collection, Editorial Board, In: Argumenta Oeconomica, ISSN 1233-5835, 2024 - 2028
- Membership of editorial committees, editing of the journal, series, collection, Editorial Board, In: PLoS ONE, ISSN 1932-6203, 2024
- Membership of editorial committees, editing of journal, series, collection, Editorial Board, In: Management Decision, ISSN 0025-1747, e-ISSN 1758-6070, 2024
- Membership of editorial committees, editing of journal, series, collection, Subject Editor, In: Frontiers in Psychology, ISSN 1664-1078, 2023
- Membership of editorial committees, editing of the journal, series, collection, Editorial Board, In: PLoS ONE, ISSN 1932-6203, 2022 - 2023
- Membership of editorial committees, editing of journal, series, collection, Guest editor, In: Sustainability, ISSN 2071-1050, 2022
- Membership of editorial committees, editing of journal, series, collection, Subject Editor, In: Frontiers in Psychology, ISSN 1664-1078, 2022
- Piwowar-Sulej Katarzyna: Membership of editorial committees, editing the journal, series, collection, Guest editor, In: Sustainability, ISSN 2071-1050, 2021.

- Membership of editorial committees, editing of the journal, series, collection, Editorial Board, In: PLoS ONE, ISSN 1932-6203, 2021
- Piwowar-Sulej Katarzyna: Membership in editorial committees, editing of the journal, series, collection, Guest Editor, In: Journal of Entrepreneurship, Management and Innovation, [NOWY SĄCZ ACADEMIC REVIEW, Journal of Entrepreneurship, Management and Innovation], ISSN 2299-7326, e-ISSN 2299-7075, [1734-1590], 2021
- Membership of editorial committees, editing of journal, series, collection, Subject Editor, In: Frontiers in Psychology, ISSN 1664-1078, 2021

Membership of foreign or international scientific societies, organisations and institutions:

Member of the Academy of Management

Other activities

- Session leader, Intellectual capital management, In: XII Scientific Conference on Managing Organizations in the Information Society "Contemporary challenges of project and process management", 2024, 19-09-2024 - 21-09-2024, Zakopane, Poland, 2024
- Session Leader, Session 3: Workplace Environment and Well-being, In: Sustainable HRM Conference - an International Perspective (SHRM Conference 2024), 2024, 24-04-2024 - 25-04-2024, Warsaw, Poland, 2024
- Member of the Priority Involved Employees in the Implementation of the "Strategy 2030 of the Wrocław University of Economics", In: Council of the Strategic Priority Involved Employees, 2023
- Ambassador of the Strategic Priority Involved Employees in the Implementation of the "Strategy 2030 of the Wrocław University of Economics", In: Council of the Strategic Priority Involved Employees, 2023 - now active
- Member of the Priority Continuous Competence Development of the Future within the Implementation of the "Strategy 2030 of Wrocław University of Economics", In: Council of the Strategic Priority Continuous Competence Development of the Future, 2021 - 2023

Media reports

- Ewa Stańczyk-Hugiet (Z/KZBZ) , Katarzyna Piwowar-Sulej (Z/KPKI) , Dominika Bąk-Grabowska (Z/KEiOP) , Agnieszka Żarczyńska-Dobiesz (Z/KZPP) : Breakfast with Science - Competences of the future in the opinion of our Researchers, 2023, YouTube (video)

Providing research services on behalf of the socio-economic environment:

HR research services conducted on the basis of contracts concluded directly with the recipients of the services (own business)

Number of PhD students promoted:

3

Prof. Dr. hab.
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Wrocław University of Economics and Business

- Doctorate in: Field of Economic Sciences/Management Sciences, 1997
- Doctor of Economics/Management Sciences, 2007
- Academic title of Professor of Economic Sciences, 2014

Functions held (current and past):

- Dean of the Faculty of Management, Information Technology and Finance (2016-2019),
- Dean of the Faculty of Management (2019-2021),
- Vice-Chancellor for Research and Academic Personnel at the Wrocław University of Economics and Business2022-2024,
- Head of the Department of Advanced Research in Management (since 2020),
- Member of the Doctoral School Council (2019 - 2024)
- Member of the Presidium of the Committee on Organisation and Management Sciences of the Polish Academy of Sciences for the term 2016 - 2020,
- Deputy Chairman of the Committee on Organization and Management Sciences of the Polish Academy of Sciences for the term 2020 - 2024 and for the term
- Expert of NCN, NAWA, MNiSW

Authorship or co-authorship of scientific monograph(s):

1. Stańczyk-Hugiet Ewa, Piórkowska Katarzyna, Stańczyk Sylwia [et al.]: Evolutionary Selection Processes.Towards Intra-Organizational Facets, 2019, Emerald Publishing, 178 pp., ISBN 9781787696884
2. Stańczyk-Hugiet Ewa: Dynamika strategiczna w ujęciu ewolucyjnym, 2013, Wrocław, 209 pp., ISBN 978-83-7695-304-5
3. Lechman Ewa, Radomska Joanna, Stańczyk-Hugiet: Open Strategy for Digital Business. Managing in ICT-Driven Environments, Routledge Focus on Business and Management, 2024, Routledge, 96 pp., ISBN 9781003424772. DOI: 10.4324/9781003424772

1. Strużyna Janusz, Stańczyk-Hugiet Ewa, Piórkowska Katarzyna: Podejście wielopoziomowe do ewoluującej organizacji, IN: Zachowania organizacyjne. Organizacja jako przestrzeń kształtowania zachowań pracowników / Bednarska-Wnuk Izabela, Michalak Joanna Małgorzata, Świątek-Barylska Ilona (ed.), 2015, Łódź, pp. 193-210, ISBN 978-83-7969-804-2
2. Stańczyk-Hugiet: Cele i problemy badawcze w badaniach naukowych, IN: Metody badań ilościowych w zarządzaniu / Sułkowski Łukasz, Lenart-Gansiniec Regina, Kolasińska-Morawska Katarzyna (ed.), Metody badań organizacji i zarządzania, 2021, Łódź, , pp. 49-72, ISBN 9788366781047
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4. Stańczyk-Hugiet Ewa: Subiektywnie o tym czym jest sukces, IN: Recepty na sukces w zarządzaniu. Refleksje przedstawicieli nauk o zarządzaniu i praktyków / Bojar Ewa (ed.), 2022, Lublin, Towarzystwo Naukowe Organizacji i Kierownictwa. Dom Organizatora, pp. 293-295, ISBN 9788367153157
5. Stańczyk-Hugiet Ewa, Bogusz Klaudia: Barriers to CE implementation: sustainable strategies in the copper mining context, IN: The Human Dimension of the Circular Economy / Glińska-Neweś Aldona, Ulkuniemi Pauliina (ed.), 2024, Edward Elgar Publishing, pp. 125–145, ISBN 9781035314218. DOI: 10.4337/9781035314225.00016
6. Stańczyk-Hugiet Ewa: Zmiany przełomowe, czyli jak przypadek kształtuje rzeczywistość, IN: Przyszłość zarządzania. Wyzwania w dobie postglobalizacji / Bojar Ewa (ed.), 2020, Lublin, Towarzystwo Naukowe Organizacji i Kierownictwa. Dom Organizatora, pp. 455-460, ISBN 9788372859327
7. Stańczyk-Hugiet Ewa: Zdolności dynamiczne - w poszukiwaniu Świętego Graala?, IN: Strategiczny wymiar dynamicznych zdolności polskich przedsiębiorstw / Krzakiewicz Kazimierz, Cyfert Szymon (ed.), 2017, Poznań,, pp. 27-45, ISBN 978-83-7417-936-2
8. Stańczyk-Hugiet Ewa: Path dependence destiny? Organizational routines and (dynamic) capabilities perspective, IN: Dynamic Capabilities and Their Strategic Dimension : Aspects of Imitation and Innovation / Krzakiewicz Kazimierz, Cyfert Szymon (ed.), 2019, Poznań, pp. 90-105, ISBN 9788366199712
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11. Stańczyk-Hugiet, Jasińska Katarzyna: Zdolności dynamiczne w sektorze ICT. Przykład Integrated Solutions i Orange Polska, IN: Dynamiczne zdolności polskich przedsiębiorstw / Krzakiewicz Kazimierz, Cyfert Szymon (ed.), 2018, Poznań, Towarzystwo Naukowe Organizacji i Kierownictwa. Dom Organizatora, pp.108-118, ISBN 9788365287694

Authorship or co-authorship of scientific article(s)

➢ **journal article from the current list:**

1. Stańczyk-Hugiet Ewa, Lichtarski Janusz Marek, Piórkowska Katarzyna: The Dynamics of Inter-firm Relationships along the Industry Life Cycle: Theoretical Background and Conceptual Framework, Transformations in Business & Economics, 2019, vol. 18, no 2B (47B), pp. 767-781
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5. Stańczyk-Hugiet Ewa, Piórkowska Katarzyna, Stańczyk Sylwia: Demystifying emergence of organizational routines, Journal of Organizational Change Management, 2017, vol. 30, no 4, pp. 525-547. DOI: 10.1108/JOCM-03-2016-0048
6. Stańczyk-Hugiet Ewa, Piórkowska Katarzyna, Stańczyk Sylwia: W gąszczu organizacyjnych zdolności..., Management Forum, 2016, vol. 4, no 4, pp. 2-8. DOI: 10.15611/mf.2016.4.01
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12. Stańczyk-Hugiet Ewa, Stańczyk Sylwia: Kulturowy kontekst relacji międzyorganizacyjnych, Zeszyty Naukowe Wyższej Szkoły Bankowej w Poznaniu, 2013, vol. 49, no 4, pp. 41-58
13. Stańczyk-Hugiet Ewa: Kilka uwag dotyczących reform szkolnictwa wyższego, Acta Universitatis Wratislaviensis. Prawo, 2022, vol. 4101, no 334, pp. 555-567. DOI: 10.19195/0524-4544.334.47
14. Stańczyk-Hugiet Ewa: Interfirm relationship: evolutionary perspective, Ekonomika : mokslo darbai / Vilniaus Universitetas, 2013, vol. 92, no 3, pp. 59-73
15. Stańczyk-Hugiet Ewa: O teorii zarządzania strategicznego, Handel Wewnętrzny, 2017, no 3/2 (368), pp. 81-89
16. Stańczyk-Hugiet Ewa: Evolutionary Concepts and Business Strategy, Journal of Business and Economics, 2014, vol. 5, no 2, pp. 178-184
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22. Stańczyk-Hugiet Ewa: Rutyna relacyjna w świetle podejścia ewolucyjnego i relacyjnego, Marketing i Rynek, 2015, no 9 [CD], pp. 612-624
23. Stańczyk-Hugiet Ewa: Egzogeniczna selekcja vs. endogeniczna adaptacja, Marketing i Rynek, 2015, no 5 [CD], pp. 769-780
24. Niemczyk Jerzy, Stańczyk-Hugiet Ewa: Klient w strategiach organizacji biznesowych, Nauki o Zarządzaniu. Prace Naukowe Uniwersytetu Ekonomicznego we Wrocławiu, 2014, no 2 (19), pp. 33-43. DOI: 10.15611/noz.2014.2.02
25. Stańczyk-Hugiet Ewa: Implikacje teorii zależności w badaniach relacji, Organizacja i Kierowanie, 2017, no 2 (176), pp. 15-26
26. Stańczyk-Hugiet Ewa: Badania longitudinalne w zarządzaniu, czyli jak dostrzec prawidłowości w dynamice, Organizacja i Kierowanie, 2014, no 2 (162), pp. 45-56
27. Stańczyk-Hugiet Ewa, Surmiak Aneta Afiliacja nieokreślona Właściciel rekordu: mzgorzelska Kolekcja: UE: Autonomia w układach współpracy gospodarczej, Organizacja i Kierowanie, 2014, no 1A (159), pp. 239-248
28. Stańczyk-Hugiet Ewa: Wielopoziomowa selekcja jako optyka organizacyjnej (ko)ewolucji, Prace Naukowe Uniwersytetu Ekonomicznego We Wrocławiu, 2014, no 363, pp. 53-63. DOI: 10.15611/pn.2014.363.05

29. Stańczyk-Hugiet Ewa: Rutynizacja i współzależność. Perspektywa efektywności zespołu, Prace Naukowe Uniwersytetu Ekonomicznego We Wrocławiu, 2016, no 429, pp. 221-228. DOI: 10.15611/pn.2016.429.20
30. Stańczyk-Hugiet Ewa: Perspektywa ewolucyjna w zarządzaniu strategicznym. Refleksja z badań, Prace Naukowe Uniwersytetu Ekonomicznego We Wrocławiu, 2014, no 340, pp. 141-153. DOI: 10.15611/pn.2014.340.13
31. Stańczyk-Hugiet Ewa: Koewolucja i koopetycja. Podążając za kontekstem, Prace Naukowe Uniwersytetu Ekonomicznego We Wrocławiu, 2014, no 372, pp.342-355. DOI: 10.15611/pn.2014.372.26
32. Stańczyk-Hugiet Ewa: Ewolucja koncepcji doskonałości jako egzemplifikacja różnicowania, Prace Naukowe Uniwersytetu Ekonomicznego We Wrocławiu, 2014, no 359, pp. 278-285. DOI: 10.15611/pn.2014.359.26
33. Stańczyk-Hugiet Ewa: Eksplorować czy eksploatować relacje międzyorganizacyjne?, Prace Naukowe Uniwersytetu Ekonomicznego We Wrocławiu, 2016, no 420, pp. 286-299. DOI: 10.15611/pn.2016.420.25
34. Stańczyk-Hugiet Ewa: Co napędza ewolucję w gospodarce opartej na wiedzy?, Prace Naukowe Uniwersytetu Ekonomicznego We Wrocławiu, 2013, no 299, pp. 113-121
35. Stańczyk-Hugiet Ewa, Strychalski Mateusz Afiliacja nieokreślona: Asymetria wiedzy w relacjach międzyorganizacyjnych, Prace Naukowe Uniwersytetu Ekonomicznego we Wrocławiu, 2013, no 310, pp. 123-131
36. Stańczyk-Hugiet Ewa: Strategicznie o ekosystemie biznesu, Prace Naukowe Wałbrzyskiej Wyższej Szkoły Zarządzania i Przedsiębiorczości, 2015, no (2) 32, pp. 395-409
37. Stańczyk-Hugiet Ewa: Przeżyje najlepiej dostosowany, Prace Naukowe Wałbrzyskiej Wyższej Szkoły Zarządzania i Przedsiębiorczości, 2013, vol. 22, pp. 131-140
38. Stańczyk-Hugiet Ewa: Pola eksploracji Strategy as Practice International Network, Prace Naukowe Wałbrzyskiej Wyższej Szkoły Zarządzania i Przedsiębiorczości, 2014, vol. 27, no 2, pp. 85-100
39. Stańczyk-Hugiet Ewa, Strzelecka Renata Halina Afiliacja nieokreślona: Relacje strategiczne przedsiębiorstw deweloperskich, Problemy Zarządzania, 2015, vol. 13, no 1 (50), t. 1, pp. 68-87. DOI: 10.7172/1644-9584.50.4
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41. Stańczyk-Hugiet Ewa: Procesy uczenia się w organizacji. Perspektywa orientacji na uczenie i orientacji na wykonanie, Studia i Prace Kolegium Zarządzania i Finansów, 2016, no 148, pp. 37-50
42. Stańczyk-Hugiet Ewa: Kontekst organizacji biznesowej. Perspektywy teoretyczne, Studia Oeconomica Posnaniensia, 2017, vol. 5, no 9, pp. 142-156. DOI: 10.18559/SOEP.2017.9.9
43. Stańczyk-Hugiet Ewa, Maciejczyk Agnieszka: Performance of Internal Control. The Insights in the Business Services Sector, Transformations in Business & Economics, 2019, vol. 18, no 2B (47B), pp. 861-878
44. Stańczyk-Hugiet Ewa: Badania wielopoziomowe w zarządzaniu, Zarządzanie i Finanse, 2016, vol. 14, no 2/2, pp. 401-410

45. Stańczyk-Hugiet Ewa: Dyskontynuacja, ewolucja i rutyny relacyjne, Zeszyty Naukowe Wyższej Szkoły Bankowej w Poznaniu, 2015, vol. 64, no 7 , pp. 170-185
46. Stańczyk-Hugiet Ewa: Adaptacja kooperatywna, Zeszyty Naukowe. Organizacja i Zarządzanie / Politechnika Łódzka, 2013, no 52 (1147), pp. 119-126

- **an article in a journal outside the current list:**

1. Lichtarski Janusz Marek , Wąsowicz Marek, Stańczyk-Hugiet Ewa: Be entrepreneurial : active learning approach, Journal Advances in Higher Education, 2014, vol. 6, no 1, pp. 155-173
2. Organa Michał, Stańczyk-Hugiet Ewa: Editorial, Transformations in Business & Economics, 2019, vol. 18, no 2B (47B), pp. 671-673
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4. Stańczyk-Hugiet Ewa, Piórkowska Katarzyna, Stańczyk Sylwia: Organizational Routines Impact on Interfirm Collaboration. Rationale and Research Framework, International Review of Management and Business Research, 2016, vol. 5, no 2, pp. 430-437
5. Stańczyk-Hugiet Ewa, Piórkowska Katarzyna, Stańczyk Sylwia: Intra-organizational Selection: Phenomenon and Its Behavioural and Cultural Determining Factors, Journal of Management and Strategy, 2015, vol. 6, no 4, pp. 1-11. DOI: 10.5430/jms.v6n4p1
6. Czakon Wojciech Afiliacja zewnętrzna autora: Uniwersytet Jagielloński w Krakowie, Stańczyk-Hugiet: Mit interdyscyplinarności i problemy granic dyscyplin, Forum Akademickie, 2023, no 5, pp. 37-40

Authoring/co-authoring a book

- **book:**

- Stańczyk-Hugiet Ewa, Niemczyk Jerzy (ed.): Wybrane aspekty zarządzania organizacją, 2014, Wrocław, Wydawnictwo Uniwersytetu Ekonomicznego we Wrocławiu, 195 pp., ISBN 978-83-7695-468-4

- **A chapter from the book:**

1. Stańczyk-Hugiet Ewa: Relacje: uwarunkowania skutecznej pracy nad doktoratem, IN: Rozprawa doktorska w naukach społecznych. Poradnik doktoranta i promotora pracy doktorskiej / Sułkowski Łukasz, Lenart-Gansiniec Regina (ed.), Metody badań organizacji i zarządzania, 2021, Łódź, pp. 279-306, ISBN 9788366781030

2. Stańczyk-Hugiet Ewa: Maszyna przetrwania, czyli o zmianie i rutynach [wykład okolicznościowy], IN: Ewa Stańczyk-Hugiet doktor honoris causa Akademii WSB, 2024, Dąbrowa Górnicza, pp. 67-90, ISBN 9788367673242
3. Stańczyk-Hugiet Ewa: Zarządzanie strategiczne, IN: Wybrane aspekty zarządzania organizacją / Stańczyk-Hugiet Ewa, Niemczyk Jerzy (ed.), 2014, Wrocław, pp. 11-56, ISBN 978-83-7695-468-4
4. Stańczyk-Hugiet Ewa: Metody eksperymentu i symulacji w naukach o zarządzaniu, IN: Podstawy metodologii badań w naukach o zarządzaniu / Czakon Wojciech (ed.), 2016, Warszawa,pp. 211-242, ISBN 978-83-63391-09-6
5. Stańczyk-Hugiet Ewa: Metody eksperymentu i symulacji w naukach o zarządzaniu, IN: Podstawy metodologii badań w naukach o zarządzaniu / Czakon Wojciech (ed.), 2015, Warszawa, Wolters Kluwer, pp. 211-242, ISBN 978-83-264-9327-0

Managing a financial research project in a national or international competition:

- **Project: DrWdroż1 ZIF, funded by the Ministry of Science and Higher Education Implementation PhD (edition 1 of ZIF)**. Project manager at WUEB: Ewa Stańczyk-Hugiet, , start date 01-10-2017, end date 28-02-2022, Completed - implemented ZIF (COP_01).
To run a full-time doctoral programme starting in the academic year 2017/2018, the training of which will take place in cooperation with the doctoral student's employer, during which a solution prepared by the doctoral student will be implemented at the employer.

- **Project: DrWdroż2 ZIF, funded by the Ministry of Science and Higher Education**
Implementation PhD (ZIF edition 2). Project manager at WUEB: Ewa Stańczyk-Hugiet, start date 01-10-2018, end date 30-09-2023, Completed - implemented Z (COP_01).
To run a full-time doctoral programme starting in the academic year 2018/2019, the training of which will take place in cooperation with the doctoral student's employer, during which a solution prepared by the doctoral student will be implemented at the employer.

- **INTEREKON**
INTEREKON programme of scientific and research excellence. Project manager at WUEB: Ewa Stańczyk-Hugiet, , start date 01-01-2019, end date 31-12-2023, Completed - cleared PJ, COBN (Faculty_01).
The focus of the project is on interdisciplinary tasks carried out in scientific and research cooperation, especially international cooperation, which provides a basis for explaining the complex problems and challenges faced by the social sciences, including economic sciences and the socio-economic environment. In modern societies, social and technological development is, as a rule, treated as an engine of socio-economic development and national competitiveness. It is equally recognised as a tool for

discovering and solving contemporary social challenges and increasing the wealth of a nation. Our country's development possibilities and prosperity are mainly determined by the quality of the scientific research conducted, therefore the main objective of the project is to conduct high quality research in the field of scientific specialties of the research teams of the Wrocław University of Economics, the results of which will contribute to: (1) the development of the prestige of the social sciences and, in particular, of the economic sciences, which will be achieved by presenting scientifically and practically important results, with the simultaneous idea of directing the research potential of WUEB towards interdisciplinarity and significant internationalisation, (2) strengthening the competitive position of our country as a significant research area in the long term and, consequently, improving the competitiveness of the country's research in the international context, and (3) the sustainable development of WUEB's research and application potential in the form of the promotion of international and interdisciplinary initiatives and the financing of wide-ranging pro-quality, development and application activities supporting the research carried out by the research teams. The research tasks in the project are entirely in line with the latest research trends in the fields of economics, finance and management carried out in leading scientific centres around the world. Thanks to the broad and nationally unique profile of the research areas covered by this project, WUEB will be able to compete effectively with other leading centres in Europe and the world in terms of obtaining new research results that make a significant contribution to the development of these disciplines of economic sciences. The planned research tasks also have significant application potential. The research tasks are carried out by existing WUEB research teams, which have been successfully conducting research in specific fields for many years and independently define the most promising research directions within their area of interest. The main directions of scientific activities include the development of research areas that at the same time constitute the specificity of our centre and reflect its interdisciplinary character and provide a basis for internationally competitive results. The research concerns 5 general areas of research and will be comprehensive, covering the topics synthetically described below: -In the area of cooperation networks, logistics chains and business ecosystems, including research on intellectual and social capital, margin and value in cooperative arrangements, network links in the Euroregion, cross-border cooperation, business environment institutions, sustainable supply chains, optimising the choice of location of business environment institutions; -In the area of FinTech and Big Data, including research on sharing and cocreation platforms, blockchain, social risk, intellectual capital reporting, home equity, crowdfunding, cryptocurrencies, internet vs. customer value management, intelligent (AI) support for financial analysis; -In the area of bioeconomics: Management, control, decision support, monitoring and early warning systems and technological processes responsible for creating value for the organisation and value for society as well as market processes for bio-products, bio-waste and high-quality food. Statistical models, phenomena, processes taking place in the field of bioeconomics, both within organisations and on the market, will also be the subject of research. A very important issue will be the fact of a new innovative perspective on research problems, the

starting point of which will be the creation of value for the organisation and the creation of value for society, both in technical-technological areas (product and technological innovations) and in economic areas. Particular emphasis will be placed on issues relating to environmental life cycle assessment (LCA) and environmental life cycle costing (e-LCC). A key objective of the research and activities carried out will be the conceptual development of a strategy for the development of bioeconomy, together with the development of tools for its implementation. In the area of social (labour) economy, development economics, including research in the field of: internationalisation of economy and business, corporate responsibility, corporate governance, human capital valuation, pension systems - simulation modelling, bioethical aspects of medical tourism, multicultural teams, onboarding, well-being, ecological economy (including energy policy), sustainable development, social inequality. -In the area of entrepreneurship and innovation, including research strategies and business models, design organisations, excellence and quality systems, lean systems, creative sectors, creativity management, design and process maturity, design thinking, ebusiness, IT in business, innovative and entrepreneurial attitudes, marketing 2.0, industry 4.0.

- **NCN-OPUS6-2013/11/B/HS4/00647, funded by National Science Centre (Narodowe Centrum Nauki – NCN)**

[2013/11/B/HS4/00647] Intra-organisational mechanisms of primary selection in the high-tech sector. Project manager at WUEB: Ewa Stańczyk-Hugiet, start date 11-08-2014, end date 10-03-2019, Completed - cleared COBN (COP_01).
The main research objective is to find an answer to the question: Do intra-organizational behavioral and cultural factors have a micro- and micro-orientation effect on the nature of organizational routines? The research seeks to clarify how intra-organisational factors-determined primary selection, of which routines are an object, translates into an organisation's fit profile. In other words, the research aims to establish how behavioural and cultural determinants are interdependent with the primary selection mechanism and consequently with organisational adaptation. The project makes the following assumption: any intra-organisational change is the resultant of two effects: the intentions of the managers and the pressures of the cultural environment that performs the selection, with organisational routines being the object of primary selection. The research hypotheses will be formulated after the qualitative research comprising Phase I of the overall research plan presented in the proposal.

Awards and distinctions received (national and international):

- Rector's First Class Award for Organisational Achievement in 2023, 2024
- Rector's first level awards for obtaining a degree/title or obtaining a doctor honoris causa in 2023, 2024

- Rector's First Class Award for Achievement in the Education and Training of Students or in the Education of Doctoral Students 2023, 2024
- Rector's First Class Achievement Award 2022 in the area of conducting scientific activities, 2023
- Rector's Second Class Award for achievement in 2022 in the area of performance of organisational activities, 2023
- Rector's Third Degree Award for achievement in 2022 in the area of education and education of students or participation in doctoral education, 2023
- Rector's First Class Award for achievements in the area of student education or participation in doctoral training in 2021, 2021
- Rector's award of the second degree for achievements in the organizational area in 2021, 2021
- Rector's First Class Award for achievements in scientific activity in 2021, 2021
- Rector's First Class Award for Achievement in Research Staff Education 2019, 2020
- Rector's First Class Award for research achievements in 2019, 2020
- Rector's First Class Award for teaching and learning achievements in 2019, 2020
- Rector's First Class Award for Organisational Achievement in 2019, 2020
- Level II scientific allowance, 2024
- Outstanding reviewer Emerald Award Literati 2022
- **Honorary Doctorate of the WSB Academy, 2024**
- **2006** - Team Prize of the Minister of Science and Higher Education for co-authorship of the book "Managing an enterprise in a turbulent environment"
- **2010** - Team Prize of the Minister of Science and Higher Education for co-authorship of the book "Concepts of Strategy
- **2025** - **Lifetime Achievement** Award from the Minister of Science and Higher Education in recognition of outstanding

Participation in programmes and training as a listener:

Participation in the InnoLab project

Participation in programmes and training courses as a presenter:

- Hosting a seminar at UMK - How to prepare a dissertation review 2023
- Methodology workshop for doctoral students aimed at the scientific development of young academics (2022)

- Leading a methodology workshop as part of the Doctoral Student Conference at the WSB Academy (2020):
  (1) Substantive tutoring on the topic: Research method versus results. On the originality of a research paper;
  (2) Doctoral student - supervisor relationship

Presenting a scientific paper at the conference:

➢ **Conference material:**

1. Stańczyk-Hugiet Ewa, Piórkowska Katarzyna, Stańczyk Sylwia: Endogenous Evolutivity and Organizational Adaptiveness towards Research Framework, W: Innovation Management and Education Excellence Vision 2020: From Regional Development Sustainability to Global Economic Growth / Soliman Khalid S. (ed.), 2016, Norristown, International Business Information Management Association (IBIMA), s. 2576-2580, ISBN 978-0-9860419-6-9
2. Piórkowska Katarzyna, Stańczyk-Hugiet Ewa, Stańczyk Sylwia: Prolegomena on Co-Evolution of Internal and External Selection, W: The European Business and Management Conference 2015. Official Conference Proceedings, 2015, Naka Ward, Nagoya, Aichi, Japan, The International Academic Forum, s. 133-145, ISBN 2188 – 9651
3. Stańczyk Sylwia, Stańczyk-Hugiet Ewa: Evolutionary and OMT Perspectives: A Review of Routines Concept, W: Vision 2020: Sustainable Economic Development and Application of Innovation Management from Regional expansion to Global Growth. Proceedings of the 32nd International Business Information Management Association Conference (IBIMA) / Soliman Khalid S. (red.), 2018, International Business Information Management Association (IBIMA), s. 3989-3994, ISBN 9780999855119
4. Stańczyk-Hugiet Ewa, Stańczyk Sylwia: The Evolutionary Selection: Review of Multitude perspectives, W: Vision 2020: Sustainable Economic Development and Application of Innovation Management from Regional expansion to Global Growth. Proceedings of the 32nd International Business Information Management Association Conference (IBIMA) / Soliman Khalid S. (red.), 2018, International Business Information Management Association (IBIMA), s. 3995-4000, ISBN 9780999855119
5. Stańczyk-Hugiet Ewa: Toward Systematization of Selectors: The Strategic Management Perspective, W: Vision 2025: Education Excellence and Management of Innovations through Sustainable Economic Competitive Advantage. Proceedings of the 34th International Business Information Management Association Conference (IBIMA) / Soliman Khalid S. (red.), 2019, International Business Information Management Association, s. 9128-9135, ISBN 9780999855133

➢ **Unpublished conference material:**

1. Stańczyk-Hugiet Ewa: At the start - about the INTEREKON project and the InterResearch Fest word clique, 1-3 p., 2023, InterResearch FEST 2023, presentation

Activities:

- Sponsor of Strategic Priority. Recognised practice-inspired research as part of the implementation of "Strategy 2030 of the Wrocław University of Economics", In: Strategic Priority Council Recognised practice-inspired research, 2021 - 2024
- Can scientists build great companies?, In: XXXII Economic Forum "New values of the Old Continent - Europe at the threshold of change" (Economic Forum 2023), 2023, 05-09-2023 - 07-09-2023, Karpacz, Poland, 2023
- Active participation in the conference / panel discussion / discussion, (Un)independence of academia - or about hierarchy and its consequences, In: Congress "Science beyond divisions" (Nauka ponad podziałami 2024), 2024, 12-09-2024 - 13-09-2024, Gdańsk, Poland, 2024
- Programme Committee Membership, Member of the Programme Committee of The Global Interdisciplinary Green Cities Conference 2023 Business, Engineering, Art, Architecture, Design, Political, Science, International Relations, Applied Science & Technology, In: The Global Interdisciplinary Green Cities Conference 2023: Business, Engineering, Art, Architecture, Design, Political Science, International Relations, Applied Science & Technology, 2023, 20-06-2023 - 25-06-2023, Augsburg, Germany, 2023
- Membership of the Committee, Council, Board, Deputy Chair of the Committee on Organization and Management Sciences of the Polish Academy of Sciences for the term 2024 - 2028, In: Committee on Organization and Management Sciences of the Polish Academy of Sciences (KNOiZ PAN) / Polish Academy of Sciences (PAN), 2024 - 2028.
- Committee, Council, Board Membership, Member of the Committee on Organization and Management Sciences of the Polish Academy of Sciences for the term 2024 - 2028 , In: Committee on Organization and Management Sciences of the Polish Academy of Sciences (KNOiZ PAN) / Polish Academy of Sciences (PAN), 2024 - 2028
- Membership in authorities and bodies of societies, organizations and institutions, Deputy Chairman of the Committee on Organization and Management Sciences of the Polish Academy of Sciences for the term 2020 - 2023 , In: Committee on Organization and Management Sciences of the Polish Academy of Sciences (KNOiZ PAN) / Polish Academy of Sciences (PAN), 2020 - 2023

- Expert functions, Expert of the advisory team of the Minister of Science and Higher Education for the project entitled "Supporting students in enhancing their competences and skills" implemented within the framework of Measure 01.05 Skills in higher education in Priority I: Skills, under the Programme European Funds for Social Development 2021-2027, In: Ministry of Science and Higher Education (MNiSW), 2024
- Panel moderation, Roundtable discussion moderator: Business models and growth strategies in a changing environment, In: 5th Meeting of the Chairs of Entrepreneurship and Innovation "Entrepreneurship 4.0" (ZKPiI 2024), 2024, 17-10-2024 - 18-10-2024, Katowice, Poland, 2024
- Moderation of the panel, Knowledge society - the development of science as a path to prosperity - moderation of the panel, In: XXXIII Economic Forum "Time of new leaders: shaping the future together" (Economic Forum 2024), 2024, 03-09-2024 - 05-09-2024, Karpacz, Poland, 2024
- Session leader, Leading a panel on Game Changers in Contemporary Management, In: Management Summer School "Game Changers of Management Science" (SLZ 2023), 2023, 14-06-2023 - 16-06-2023, Kołobrzeg, Poland, 2023
- Participation in the organization of a conference/workshop/course/seminar, Member of the presidium of the organizing committee of Summer School of Management "Game Changers of Management Sciences", In: Summer School of Management "Game Changers of Management Sciences" (SLZ 2023), 2023, 14-06-2023 - 16-06-2023, Kołobrzeg, Poland, 2023
- Participation in the organization of a conference/workshop/course/seminar, Member of the Organizing Committee of the International Business Information Management Association Conference 2020, In: 36th International Business Information Management Association Conference (IBIMA 2020), 2020, 04-11-2020 - 05-11-2020, Granada, Spain, 2020 - currently active

Other activities:

➢ **Media reports:**

1. Ewa Stańczyk-Hugiet (Z/KZBZ) , Małgorzata Świrad (BG) , Agnieszka Rogalińska (BG) : Facts 09.05.2023 - 18:30, 2023 (video)
2. Ewa Stańczyk-Hugiet (Z/KZBZ), Katarzyna Piwowar-Sulej (Z/KPKI) , Dominika Bąk-Grabowska (Z/KEiOP) , Agnieszka Żarczyńska-Dobiesz (Z/KZPP) : Breakfast with Science - Competences of the future in the opinion of our Researchers, 2023, YouTube (video)

3. Ewa Stańczyk-Hugiet (Z/KZBZ), Maja Kiba-Janiak (Z/KZSL) , Adam Sulich (Z/KZBZ) , Dominika Hadro (EiF/KF): Breakfast with science. Science internships - is it worth it?, 2023, YouTube (video)
4. Andrzej Kaleta (Z/KZS) , Ewa Stańczyk-Hugiet (Z/KZBZ) , Alla Witwicka-Dudek (PJ/CWB) , Milena Kowalska (EiF/KFP) : Job fair at the Wrocław University of Economics. Students look for good offers, 2023, YouTube (video)
5. Ewa Stańczyk-Hugiet (Z/KZBZ): Teleksperss extra 09.05.2023, 17:15, 2023 (video)
6. Andrzej Kaleta (Z/KZS), Bogusława Drelich-Skulska (EiF/KMSG) , Ewa Stańczyk-Hugiet (Z/KZBZ) : Honorary doctorate award ceremony for Prof. Marian Gorynia, 2023, YouTube (video) Marian Gorynia - Poznań University of Economics
7. Ewa Stańczyk-Hugiet (Z/KZBZ) , Agnieszka Dramińska (BG) , Dawid Kościewicz (BG) , Joanna Marcinkowska (PJ/CBN) : "Breakfast with science" episode 2 - Supporting research, 2022, YouTube (video)
8. Ewa Stańczyk-Hugiet (Z/KZBZ) , Agnieszka Piekara (IP/KIB) , Jakub Sukiennik (EiF/KMiEI) , Piotr Wanicki (Z/KRSAF) : Breakfast with science - Science and didactics, 2022, YouTube (video)

➢ **Multimedia:**

1. Ewa Stańczyk-Hugiet (Z/KZBZ) , Maja Leszczyńska (Z/KSI) , Bartłomiej Nita (Z/KRSAF) , Aleksandra Burdukiewicz (PJ/InQUBE) : Breakfast with science - Science and commercialisation, 2023, YouTube (video)
2. Ewa Stańczyk-Hugiet (Z/KZBZ) , Andrzej Kaleta (Z/KZS) , Patrycja Klimas (Z/KZBZ) , Joanna Radomska (Z/KZS) : Breakfast with science - Strategic management, 2023, YouTube (video)

Participation in the organising or scientific committee(s) of an international or national conference:

- Management summer school 2023
- Sustainable organisational management, 2nd International Scientific Conference of the UEP Institute of Management, 23-24 October 2024

Membership of expert teams:

Member of the Advisory Panel for the evaluation of bids submitted under the project "Supporting students to improve their competencies and skills", Minister of Science, 2024

Tasks:

1) Substantive evaluation of bids submitted under the project "Supporting students in improving their competences and skills".
2) presentation to the minister responsible for higher education and science, hereinafter referred to as the "minister", of a list of bids recommended for co-financing, together with an indication of the proposed amount of co-financing;
3) Performing other tasks within the scope referred to in point 1, commissioned by the Minister, in particular the preparation of opinions.

Expert opinion or scientific study:

2019

- Reviewer of the CK in the procedure for the award of a doctoral degree - opinion on the merits of an appeal against a resolution of the CEC
- Reviewer in proceedings for the award of the degree of doctor (April 2019)
- Reviewer in proceedings for the award of the title of professor (April 2019)
- Member of the postdoctoral committee - (February 2019)
- Member of the postdoctoral committee SGH Warsaw School of Economics (June 2019)
- Member of the postdoctoral committee (May 2019)
- Reviewer in proceedings for the award of the degree of doctor (June 2019)
- Reviewer in proceedings for the award of the title of professor (September 2019)
- PhD thesis reviewer - November 2019
- Reviewer in postdoctoral proceedings - October 2019
- Reviewer in postdoctoral proceedings - November 2019
- Reviewer in postdoctoral proceedings - September 2019
- Reviewer in proceedings for the award of the title of professor
- Reviewer in proceedings for the award of the title of professor
- CK reviewer - expert opinion on the merits of an appeal against a faculty council decision
- Reviews for NCN MINIATURA competition - 15
- opinion for the CK - expert opinion on the right to confer doctorates to universities

2020

- Reviewer in title proceedings
- Reviewer in postdoctoral proceedings
- Reviewer in postdoctoral proceedings

- Member of the Postdoctoral Committee

2021

- Member of the Postdoctoral Committee
- Review in proceedings for the conferment of the title of professor
- Review in proceedings and awarding of the title of professor
- Review of the doctoral dissertation (University of Economics in Katowice)
- NAWA review - Becker programme

2022

- Review in proceedings for the award of the degree of Doctor of Laws of the University of Warsaw
- Review in proceedings for the conferment of the degree of Ph.
- Member of the Postdoctoral Committee
- Member of the Postdoctoral Committee
- Review in proceedings for the award of a doctoral degree (29.12)
- Review of the thesis

2023

- Member of the Postdoctoral Committee

2024

- Review in title proceedings - 2
- Review in proceedings for the conferment of a doctoral degree - 1

Reviews 5 monographs and numerous scientific articles, including those with IF.

Number of PhD students promoted:

13

Prof. Dr. hab. ing.
Małgorzata Krzywonos

Wrocław University of Economics and Business

University degrees:

- ✓ ***Full Professor –*** President Nomination 28.02.2020
- ✓ ***Doctor habilitatus***
  Wrocław University of Environmental and Life Sciences, Faculty of Food Sciences and Biotechnology. Title awarded: Doctor habilitatus in Agricultural Sciences. Specialization: Food Technology and Human Nutrition. 2013.
- ✓ **Doctoral thesis:**
  "Biodegradation of Potato Slops by Natural Bacterial Inoculum", Wrocław Agricultural University, Faculty of Food Sciences. Title awarded: Dr Sc in Agricultural Sciences, with distinction. Specialization: Food Technology and Human Nutrition. 2004. Supervisor: Tadeusz Miśkiewicz, Assoc. Prof.
- ✓ **Master's thesis:**
  "Attempts to Modernize the Process of Grain Preparation for Milling at ZPZ ARR sp. z o. o. in Jarosław". Wrocław University of Economics, Faculty of Engineering and Industrial Economics. Specialization: Food Technology and Human Nutrition. Title awarded: MSc in Economics and Technology of Foods. 1997. Supervisor: Dr Zbigniew Garncarek.

Functions (current and past):

2014- now, a Director of BioR&D Centre at Wrocław University of Economics
2016-2019, Vice Dean for Science, Faculty of Engineering and Economics
2016- now, Dean for PhD Study (Food Technology)
2020-now, Full professor, Process Management, Faculty of Management
2022- now Scientific consultant for ESV.SA (energetic company. esv.pl)
2023- now Vice-president of Institute of Innovation and Creative Management Foundation (NGO)
2024- visiting professor, University in Foggia (Italy)

Member of the programme committee of the ASTIS PhD programme: ENVIRONMENT, SUSTAINABILITY, TERRITORY, INNOVATION AND SAFETY, run by the Department of Economics, Management and Territory at the University of Foggia

List of Published Research Work:

1. Authorship or co-authorship of scientific publications in journals included in the database of the Journal Citation Reports (JCR):

1. Cibis E., Kent C.A., Krzywonos M., Garncarek Z., Garncarek B., Miśkiewicz T.: Biodegradation of potato slops from rural distillery by thermophilic aerobic bacteria, Bioresource Technology, 2002, 85(1), 57-61. IF: 1.289;
2. Cibis E., Krzywonos M., Miśkiewicz T.: Aerobic biodegradation of potato slops under moderate thermophilic conditions: Effect of pollution load. Bioresource Technology, 2006, 97(4), 679-685. IF: 2.18;
3. Cibis E., Krzywonos M., Miśkiewicz T.: Ethanol in the world – utilization trends, feedstocks, and by-products. Przemysł Chemiczny, 2006, 85(8-9), 1263-1267 (in Polish).IF: 0.429;
4. Ryznar-Luty A., Krzywonos M., Cibis E., Miśkiewicz T., Aerobic biodegradation of vinasse by mixed culture of bacteria of the genus Bacillus: Effect of temperature, pH and oxygenation state. Polish Journal of Environmental Studies, 2008, 17(1), 101-112. IF: 0.947;
5. Krzywonos M.*, Cibis E., Miśkiewicz T., Kent C.A.: Effect of temperature on the efficiency of the thermo- and mesophilic aerobic batch biodegradation of high strength distillery wastewater (potato stillage). Bioresource Technology, 2008, 99, 7816-7824. IF: 4.453;
6. Krzywonos M.*, Cibis E., Lasik M., Nowak J., Miśkiewicz T.: Thermo- and mesophilic aerobic batch biodegradation of high-strength distillery wastewater (potato stillage) – Utilisation of main carbon sources. Bioresource Technology, 2009, 100, (9), 2507-2514. IF: 4.253;
7. Krzywonos M.*, Cibis E., Miśkiewicz T., Ryznar-Luty A.: Utilisation and biodegradation of starch stillage (distillery wastewater). Electronic Journal of Biotechnology, 2009, 12(1). DOI: 10.2225/vol12-issue1-fulltext-5. IF: 0.928;
8. Lasik M., Nowak J., Krzywonos M., Cibis E.: Impact of batch, repeated-batch (with cell recycle and medium replacement) and continuous processes on the course and efficiency of aerobic thermophilic biodegradation of potato processing wastewater. Bioresource Technology, 2010, 101, 3444-3451. IF: 4.365;
9. Krzywonos M.*, Cibis E., Ryznar-Luty A., Miśkiewicz T. Borowiak D.: Aerobic biodegradation of wheat stillage (distillery wastewater) at an elevated temperature – effect of solids separation. Biochemical Engineering Journal, 2010, 49, 1-6. IF: 2.692;

10. Cibis E., Ryznar-Luty A., Krzywonos M., Lutosławski K., Miśkiewicz T.: Betaine removal during thermo- and mesophilic aerobic batch biodegradation of beet molasses vinasse: Influence of temperature and pH on the progress and efficiency of the process. Journal of Environmental Management, 2011, 92 (7), 1733-1739. IF: 3.245;
11. Lutosławski K., Ryznar-Luty A., Cibis E., Krzywonos M., Miśkiewicz T.: Biodegradation of beet molasses vinasse by a mixed culture of microorganisms: Effect of aeration conditions and pH control. Journal of Environmental Sciences, 2011, 23,(11) 1823-1830. IF: 1.660;
12. Krzywonos M.*, Eberhard T.: High density process to cultivate Lactobacillus plantarum biomass using wheat stillage and sugar beet molasses. Electronic Journal of Biotechnology, 2011, 14, 2, http://dx.doi.org/10.2225/vol14-issue2-fulltext-10. IF: 0.968;
13. Borowiak D., Miśkiewicz T., Miszczak, W. Cibis E., Krzywonos M.: A straightforward logistic method for feeding a fed-batch baker's yeast culture. Biochemical Engineering Journal, 2012, 60, 36-43. IF: 2.645;
14. Krzywonos M.*: Decolourization of sugar beet distillery effluent using mixed culture of bacteria from the genus Bacillus – Effect of temperature and medium supplementation. African Journal of Biotechnology, 2012, 11(14), 3464-3475. IF: 0.565;
15. Krzywonos M.*, Seruga P.: Decolorization of sugar beet molasses vinasse, a high-strength distillery wastewater, by lactic acid bacteria. Polish Journal of Environmental Studies, 2012, 21 (4), 943-948. IF: 0.508;
16. Krzywonos M.*, Łapawa A.: Decolourisation of sugar beet molasses vinasse by ion exchange. CLEAN - Soil, Air, Water, 40 (12) 2012, 1408–1414. IF: 2.177;
17. Zabochnicka-Świątek M., Krzywonos M.: Potentials of biosorption and bioaccumulation processes for heavy metal removal Polish Journal of Environmental Studies, 2014, 23(2), 551-561. IF=0.871
18. Zabochnicka-Świątek M., Malińska K., Krzywonos M.: Removal of biogens from wastewater by microalgae. Environment Protection Engineering 2014, 40(2), 87-104, DOI: 10.5277/epe140207 IF=0.652
19. Krzywonos M.*, Borowski P., Kupczyk A., Zabochnicka-Świątek M., Ograniczenie emisji CO2 poprzez stosowanie biopaliw motorowych, Przemysł Chemiczny, 2014, 93/7, 1124-1127 IF=0.399
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37 Seruga P., Krzywonos M., Wilk M., Ślęczka A., Borowiak D. 2014. Wpływ parametrów procesu na stabilizację tlenową (kompostowanie) odpadów. Ogólnopolska Konferencja Naukowa pt. „Mikroorganizmy w ochronie roślin i zagospodarowaniu odpadów organicznych". Nieborów k. Skierniewic, 26-28.11.2014 streszczenie opublikowane w materiałach konferencyjnych s.78.

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39 Krzywonos M., Wilk M. 2015. Wpływ stężenia glukozy i ekstraktu drożdżowego na efektywność dekoloryzacji buraczanego wywaru melasowego z wykorzystaniem *Lactobacillus plantarum* MiLAB393. XLII Sesja Naukowa Komitetu Nauk o Żywności PAN „Żywność-Zdrowie-Przyszłość". Lublin, 25-26.06.2015 r.

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45 Wilk M., Krzywonos M., Borowiak D., Seruga P. Decolourization of sugar beet molasses vinasse by lactic acid bacteria – the effect of yeast extract dose. 44th International Conference of Slovak Society of Chemical Engineering 2017, Demänovská Dolina, Slovak Republic, 22 – 26.05.2017, P95

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47 Krzywonos M., Seruga P., Wilk M., Borowiak D. Biogas production by co-digestion of organic fraction of municipal solids wastes with corn stillage. 44th International Conference of Slovak Society of Chemical Engineering 2017, Demänovská Dolina, Slovak Republic, 22 – 26.05.2017, P131

48 Krzywonos M., Pińkowska, H., Wolak P, Złocińska A. Production of pectin enriched material by extraction of sugar beet pulp in subcritical water – Use of Doehlert design for optimizing the extraction conditions. Book of Abstracts BioTech 2017 and 7 th Czech-Swiss Symposium with Exhibition. Prague. Prague, 13-17.06.2017, s.153

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51 Kaczmarczyk M., Krzywonos M., Piekara A., Miejsce żywności regionalnej w literaturze dotyczącej zagadnień dietetycznych VI International Session of Young Scientific Staff „Food – tradition and modernity" 25.05.2018 Lublin

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International Conference of Slovak Society of Chemical Engineering, May 21–25, 2018, Tatranské Matliare, Slovakia, P230

56 Zabochnicka-Świątek M., Krzywonos M., Kalaji H.M. 12th International Conference on Agrophysics, Lublin, Poland, 17-19th September 2018.

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58 Z. Romanowska-Duda, J. Łoniewska, S. Szufa, M. Krzywonos, K. Piotrowski, C. Emmanouil, A. Kungolos Utilization of waste from the dairy industry in the breeding media of Lemnaceae plants. Economic analysis. Proceedings of the Tenth International Conference on Environmental Management, Engineering, Planning and Economics (CEMEPE 2023) and SECOTOX Conference. June 5-9, 2023, Skiathos Island, Greece

59 Piekara A., Krzywonos M., Błaszczyk A., Sady S., Pachołek B., Popek S., Syguła-Cholewińska S., Sawoszczuk T., Kaczmarek A., The potential of by-products from chokeberry processing - development of a sustainable method of upcycling fruit processing waste 1 s., 2023, 10th International Conference on Sustainable Solid Waste Management 2023,

60 Piekara A., Krzywonos M., Sady S., Błaszczyk A., Pachołek B., Popek S., Syguła-Cholewińska J., Sawoszczuk T., Conditions for The Management of By-Products Of Chokeberry Fruit Processing In The Opinion Of Polish Food Producers. International Conference on Quality and Management Sciences Book Of Abstracts, Editor: M. Sielicka-Różyńska, Institute Of Quality Science, Poznań University Of Economics And Business 13th - 15th September 2023 Poznań, Poland p.65.

International conferences – abstracts not published in the Proceedings:

Krzywonos M., Cibis E., Ryznar-Luty A., Miśkiewicz T.: Aerobic thermophilic biodegradation of high strength distillery wastewater. European Conference on Biorefinery Research organised by the European Commission with the support of the Finnish Presidency, Helsinki, 19-20.10.2006.

Międzynarodowa konferencja „Biopotraviny, tradičné a regionálne potraviny na slovensku a v zahraničí" organizowana przez Uniwersytet Ekonomiczny w Bratysławie 28.11.2016, członek komitetu naukowego.

Krajowy Punkt Kontaktowy Programów Badawczych Unii Europejskiej, Innovate UK oraz Ambasada Wielkiej Brytanii w Warszawie, Polsko – Brytyjskie spotkanie brokerskie: „Gospodarka w obiegu zamkniętym". 7-8.12.2017r., Warszawa.

The BioSTEP conference "Effective stakeholder and public engagement in the bioeconomy: Good practices, lessons learned and recommendations for future research". 22.02.2018. Bruksela.

Invited lectures:

1. **Krzywonos M.,** Principles for evaluating Marie Curie project applications as seen by an expert. Training entitled Marie Curie scholarships - tips from experts and scholarship holders, Wrocław University of Technology, Wrocław Technology Transfer Center, Regional Information Center for Scientists, 06/06/2013 Wrocław). The meeting was financed by the Ministry of Science and Education
2. **Krzywonos M**., Expert's experience in the evaluation of applications under the 7th Framework Program. Training entitled To be an expert - is it worth assessing applications for the European Commission? Wrocław University of Science and Technology Wrocław Center for Technology Transfer, 27/06/2013. Wroclaw. The meeting was financed by the Ministry of Science and Education.
3. **Krzywonos M.,** Experience of the expert assessing the applications - in theory and practice. RPK Silesian University of Technology 27/11/2013. Gliwice. The meeting was financed by the Ministry of Science and Education.
4. **Krzywonos M.,** Managing and decolorizing stillage. XII General Assembly of the Members of the Polish Distilleries, Scientific and Technical Conference "The current situation of agricultural distilleries in Poland. What's next?"Sękocin Stary, 28-29.11.2013 (oral presentation).
5. **Krzywonos M.,** Guidelines from an expert of the European Commission assessing the proposals of the framework programs Marie Skłodowska Curie Actions. Euraxess. Wrocław University of Science and Technology Wrocław Center for Technology Transfer, Regional Contact Point. The meeting was financed by the Ministry of Science and Higher Education. 26.02.2015.
6. **Krzywonos M.,** How to become an expert evaluating in the Horizon 2020 program. Wrocław University of Technology Wrocław Center for Technology Transfer, Regional Contact Point Training financed by the Ministry of Science and Higher Education. 13.04.2016
7. **Krzywonos M.,** How is the assessment of H2020 applications? Wrocław University of Technology, Wrocław Technology Transfer Center, Regional Contact Point. The training is financed by the Ministry of Science and Higher Education. 27.10.2018
8. **Krzywonos M.,** Horizon 2020 is the key to the internationalization of scientific research - a discussion panel with grant implementers and experts evaluating applications for the European Commission Wrocław University of Technology Wrocław Center for Technology Transfer, Regional Contact Point. The meeting was financed by the Ministry of Science and Higher Education 24.04.2018
9. Kaczmarczyk M., Piekara A., **Krzywonos M.,** „Special types of marketing used in the promotion of regional products "Conference" Marketing of agricultural products as part

of direct sales, direct deliveries and agricultural retail trade, Silesian Chamber of Agriculture. 2-3.10.2018 Szczyrk.

10. Borowiak D., **Krzywonos M.,** Prezentacja Akademickiego Centrum Badań i Rozwoju ACBiR R&D na spotkaniu zarejestrowanych Partnerów "Sieci na rzecz innowacji w rolnictwie i na obszarach wiejskich" (SIR) pod nazwą Forum „Sieciowanie Partnerów SIR", zorganizowanym przez Centrum Doradztwa Rolniczego w Brwinowie. 13–14.11.2018 r. Warszawa.
11. Kaczmarczyk M., **Krzywonos M.,** Piekara A., „„Special types of marketing used in the promotion of regional products "Conference" Marketing of agricultural products as part of direct sales, direct deliveries and agricultural retail trade, Silesian Chamber of Agriculture. 28-29.10.2019 r. Szczyrk.
12. **Krzywonos M.,** Kaczmarczyk M., Piekara A., romotion of local and regional products - specific types of marketing Lower Silesian Agricultural Advisory Center, Meeting of the Thematic Team Dolnośląski Targ Rolny, 29.11.2019, Wrocław
13. Kaczmarczyk M., **Krzywonos M.,** Piekara ADirect sales of food products - problems and challenges on the example of cooperatives and fairs Lower Silesian Agricultural Advisory Center, meeting of the Thematic Team of the Lower Silesian Agricultural Market,29.11.2019, Wrocław

Coordination of international or national research projects and/or participation in such projects:

1. *Enhanced, intelligent processing of food and related wastes using thermophilic populations* (Contract QLK3-CT-1999-00004), project financed under 5 Framework Programme of European Union 2000–2004, https://cordis.europa.eu/project/id/QLK3-CT-1999-00004 , Total cost € 1 629 773,0, Wrocław University of Economics, Department of Bioprocess Engineering; researcher.
2. *Biotechnology for metal bearing materials in Europe*. 6 Framework Programme (Contract no. NMP-CT-2005-500329), Institute of Environmental Engineering and Biotechnology, Tampere University of Technology, Finland, 01.11.2005 – 31.01.2006, senior researcher.
3. *Batch and continuous aerobic biodegradation of beet molasses vinasse by a mixed population of thermo- and mesophilic bacteria of the genus Bacillus*. Project MEiN (Contract no. 2 P06T 045 30), Wrocław University of Economics, Department of Bioprocess Engineering, 2006-2008, researcher.
4. *DOM – Domestication of microorganisms*. MISTRA, Foundation for Strategic Environmental Research; Swedish University of Agricultural Sciences, Uppsala, Department of Microbiology, Sweden, 01.04.2008 – 30.09.2008, postdoc.

5. *Identification of Lower Silesia's potential and resources in science and technology aimed at improving Quality of Life, and determining future developmental trends. Foresight methods.* Operational Programme Innovative Economy, 1. Priority of Innovative Economy Programme, 1.1 Strengthening of the role of science in economic development. Wrocław University of Economics, 04.01.2010–30.06.2011, Section Environmental Protection, assistant to section manager.
6. *Decolorization of beet molasses vinasse with bacteria of the genus Bacillus and with lactic acid bacteria* (Contract no. NN 312 421940), National Centre of Sciences, Wrocław University of Economics, Department of Bioprocess Engineering, 2011 – 2014, principal investigator.
7. **TALARIA** - *Teaching and e-learning advances in European Mobility Space*. The EU's Lifelong Learning Program, Leonardo da Vinci – Mobility VETPRO, 2011-PL1-LEO03-18641 (10.2011-12.2012); project team member.
8. „Innovative solution of process parameter optimization of low-gluten tortilla production" Dijo Baking Horeca Sp. z o.o. funded by European Social Fund, The Operational Programme Human Capital; Priority VIII Regional human resources of the economy, Sub-measure 8.2.1 Support to cooperation of scientific environment and enterprises; Organized by Wrocław Board of Scientific Technical Societies Federation NOT4 month research project,. Project organizer: Wrocław Council of the Federation of Scientific and Technical Associations NOT. project team member
9. „Food Development Future ". Participation in the training organized by the Polish Association of Meat Cattle Producers,18-22.11.2013 (Serock), 13-17.01.2014 (Warszawa), as part of the "Food Development Future" project. Co-financed by the European Union under the ESF, priority IV Higher Education and Science implemented under OPKL, Measure 4.2 Development of the qualifications of the R&D system staff and increasing awareness of the role of science in economic development.The project is part of the competition of the 1st edition of the program of the Minister of Science and Higher Education entitled "Implementation doctorates " 2017-2021, 53/DW/2017/01/1 financing 485 100 zł, Author, coordinator Faculty of Engineering and Economics of the Wrocław University of Economics
10. Interdisciplinary Program of Doctoral Studies at the Faculty of Engineering and Economics of the Wrocław University of Economics no. POWR.03.02.00-00-IO16 / 16-00 National Center for Research and Development (NCBiR) financing: 678 962,50 zł - Project manager.

11. BioInLab – Bioeconomic Laboratory of the Wrocław University of Economics ". Regional Operational Program of the Lower Silesian Voivodeship 2014-2020 RPDS.01.02.01-IP.01-02-292/18, 2019-2020, financing in the amount 6 734 051,76 zł; Project manager.
12. INTEREKON Research Excellence Program, Regional Excellence Initiatives program, Ministry of Science and Higher Education, financing in the amount of 10 721 040 zł; team member.
13. Systemic expansion of territorial CIRCULAR Ecosystems for end-of-life FOAM CIRCULAR FOAM Horizon 2020 European Research Executive Agency (REA) 01.10.2021 30.09.2025, 311 125,00 EUR, team member

International or national awards in appreciation of scientific or artistic activity:

Award for Excellence in Science and Research granted by the Rector of Wrocław University of Economics in 1st degree: 2009-2015, 2017-2022, 2nd degree: 2008 and 2016.

Editorial board membership:

2011-now, Research Journal Of Environmental Toxicology, ISSN: 1819-3420, Academic Journals Inc, 160 N Main St, 47-B, PO BOX 2031, New York City, USA, NY, 10956. Editorial board, Technical Editor.

2011-now, Asian Journal Of Biotechnology, Semiannual ISSN: 1996-0700, Knowledgia Rev, M-3-19 Plaza Damas, Sri Hartamas, Kuala Lumpur, Malaysia, 50480. Editorial board, Technical Editor.

2011-now, Research Journal Of Environmental Sciences, ISSN: 1819-3412 Academic Journals Inc, 160 N Main St, 47-B, PO BOX 2031, New York City, USA, NY, 10956. Editorial board, Technical Editor.

2019 – now Polish Journal of Environmental Sciences

Activities:

- Active participation in a conference / panel discussion / debate, Do we still want to use traditional cultural goods? - part I, In: 32nd Economic Forum 'New values of the Old Continent - Europe on the threshold of change' (Economic Forum 2023), 2023, 05-09-2023 - 07-09-2023, Karpacz, Poland, 2023
- Active participation in the conference / panel discussion / discussion, 'Rzeczpospolita' Salon: Work-Life balance - good practices, In: 32nd Economic Forum

'New values of the Old Continent - Europe on the threshold of change' (Economic Forum 2023), 2023, 05-09-2023 - 07-09-2023, Karpacz, Poland, 2023

- Membership of committees, boards, executive boards, Vice-Chairwoman of the Commodity Science - Quality Science Commission at the Poznań Branch of the Polish Academy of Sciences, In: Commodity Science - Quality Science Commission, Poznań Branch of the Polish Academy of Sciences / Polish Academy of Sciences (PAS), 2023 - present active
- Membership of editorial boards, editing of journals, series, collections, Editor, In: Polish Journal of Environmental Studies, ISSN 1230-1485, e-ISSN 2083-5906, 2019 - currently active
- Research expert, Expert within the framework of the Operational Programme Smart Growth 2014-2020, at: National Centre for Research and Development (NCBiR), 2014–2020
- Researcher mobility, Research internship, at: The University of Foggia, 2024
- Participation in the organisation of a conference/workshop/course/seminar, Member of the Scientific Committee of the 7th Scientific Symposium 'Microbes and their metabolites - a microcosm of great opportunities and dangers', In: 7th Scientific Symposium 'Microbes and their metabolites - a microworld of great opportunities and dangers', 2023, 29-11-2023 - 30-11-2023, Warsaw, Poland, 2023
- Participation in the organisation of a conference/workshop/course/seminar, Member of the Scientific Committee 2nd International Conference on Quality and Management Sciences, In: 2nd International Conference on Quality and Management Sciences (ICQMSc 2023), 2023, 13-09-2023 - 15-09-2023, Poznań, Poland, 2023

Experience as a Reviewer:

1. *European Commission - Innovation and Networks Executive Agency –FP7 and H2020*: the Individual Marie Curie actions under the PEOPLE Programme, and H2020; evaluator: more than 150 proposals)
2. National Centre for Research and Development (Poland): evaluator: more than 100 proposals
3. *Romanian Executive Agency for Higher Education, Research, Development and Innovation Funding, UEFISCDI: "Young Research Teams" –, Human Resources Programme"*: evaluator: more than 50 proposal

4. *Rewiever m*ore than 400 papers, of which more than 350 were submitted to JCR periodicals (Bioresource Technology, Journal of Cleaner Production, World Journal of Microbiology and Biotechnology, Journal of Hazardous Materials, Biomass and Bioenergy).

PhD Rewiever

12 PhD students

2019 – preliminary examiner of MSc Hilda Szabo's doctoral dissertation titled "Assessment of the Analytical Potential of HPLC-SEC for the Characterization of DOM and Nutrients in Various Types of Water" Faculty of Engineering and Natural Sciences at Tampere University, Finland

2020-Member of evaluation committee of PhD student Jenna Senecal, Swedish University of Agricultural Sciences, Uppsala, Sweden

Reviewer of the documentation for Full Professorship:

2021 - Katarzyna Śliżewska,

2022 - Adam Waśko

Rewiever MSc and Eng.

38 MSc students

75 Eng. Students

Supervisor of PhD students

Marta Wilk (2015),

Przemysław Seruga (2017)

Agnieszka Piekara (2018), defended with distinction.

Monika Kucharczyk (2019)

Sylwia Zimny (2019)

Jolanta Gut (2021)

Magdalena Kopacz (2022)

Interdisciplinary PhD (Economics / Food and Nutrition Technology

Izabela Kołodziej (2022)

Jacqueline Rowiecka (2023)

Paweł Mikulski (2023) defended with distinction.

Supervisor MSc and Eng.

115 MSc students

107 Eng. students

Membership in Associations and Organizations

I am a member of the European Federation of Biotechnology and of the Polish Association of Food Technologists. 2009-2021, I have been sitting on the Board of the Wrocław Branch of the Polish Association of Food Technologists. 2016-2021 Vice President of the Wrocław Branch of the Polish Association of Food Technologists.
2022- member of Academy of European Management

Co-operation with industry (selected)

SemCo Specjalistyczne Gospodarstwo Nasienne i Przetwórcze, Śmiłowo; Dijo Baking Horeca Service, Zabrodzie;
Gorzelnia Ruskie Piaski, AlgaeLabs Sp. z o.o., Wrocław; Winnica Świdnicka; LEMITOR Ochrona Środowiska Wrocław; Eko-Max Recykling Sp. z o.o., Warszawa; Zakład Gospodarowania Odpadami GAĆ Sp. z o.o., Oława; Piekarnia "Warowny" s.c., Kłoczew; Farmer Group Sp. z o.o., Nadolice Wielkie, 3H Lab.

(R/DOP-0161-2-120/12, 06.11.2012 r. SemCo Specjalistyczne Gospodarstwo Nasienne i Przetwórcze, Śmiłowo.
R/DOP-016102-146/12, 06.11.2012 Dijo Baking Horeca Service, Zabrodzie
/DOP-016102-146/13, 15.05.2013 Distillery Ruskie Piaski
R/DOP-0161-6-7/13, 03.10.2013. AlgaeLabs Sp. z o.o., Wrocław,
R/DOP-0161-2-56/14, 10.03.2014. Winnica Świdnicka
R/DOP-0161-6-6/14, 21.05.2014 LEMITOR Ochrona Środowiska Wrocław
R/DOP-0161-2-136/14, 16.06.2014 Eko-Max Recykling Sp. z o.o. Warszawa
R-DOP.0161.6.9.2015 07.07.2015 Zakład Gospodarowania Odpadami GAĆ Sp. z o.o., Oława
R-DOP.0161.1.12.2016 z 02.02.2016. Farmer Group Sp. z o.o., Nadolice Wielkie.
R-DOP.0161.1.13.2016 02.02.2016. EPRIM Robert Karkowski
R-DOP.0161.2.160.2016 11.07.2016. Przedsiębiorstwo Produkcyjno-Usługowe "Micro" Marek Kowalski
R-DOP.0161.1.155.2017 18.05.2017., EKOLOGIS Laboratorium Badań Środowiskowych s.c.
R-BP-SOP.0161.6.6.2018 02.02.2018. Pracownia Informatyki NUMERON Sp. z o.o.
(umowa R-BP-SOP.0161.6.10.2018 09.04.2018, Browar Caminus Jolanta Hryniewicz
R-BP-SOP.0161.6.6.2018 28.05.2018. ERG Zakład Usług Technicznych s.c.
R-BP-SOP.0161.6.11.2018 28.05.2018. Dolnośląska Zielona Dolina DOZEDO, odpowiedzialną za realizację programu „Dolny Śląsk. Zielona dolina żywności i zdrowia".
R-BP-SOP.0161.2.320.2018 22.08.2018. Wojewódzki Inspektorat Jakości Handlowej Artykułów Rolno-Spożywczych we Wrocławiu
R-BP-SOP.0161.2.325.2018 25.09.2018. Jars sp. z. o.o.

Member of Expert group "Energy efficiency of dispersed and dispersed using caloric waste. 2019-2020 Appointed by the Order of the Director of the National Center for Research and Development,
Appointed by the director of the Department of Innovation and Development of the Ministry of Science and Higher Education to cooperate under the program supporting Poland's participation in the new partnership under the programme Horyzont Europa „People-centric sustainable built environment (Built4People)" (Built environment and construction), 2020-today

Reviewer (selected)
Journal of Environmental Management (IF=4,005), certificate: Outstanding reviewer (2017), Recognized reviewer (2017), Outstanding reviewer (2018),
Journal of Cleaner Production (IF=5,651), certificate: Recognized reviewer: (2016), Outstanding reviewer (2016).
Biochemical Engineering Journal (IF=3,226), certificate: Recognized reviewer (2013).Outstanding reviewer (2017).
Bioresource Technology (IF=5,807), certificate: Recognized reviewer (2009), Outstanding reviewer (2017).
Ecological Engineering (IF=3,023), certificate: Recognized reviewer (2017), Outstanding reviewer (2017).
Biomass and Bioenergy (IF=3,358), certificate: Outstanding reviewer 2016, Recognized reviewer (2012).
Journal of Hazardous Materials (IF=6,434), certificate: Recognized reviewer (2011), Outstanding reviewer (2018).

Teaching for students:
Metrology (Laboratory)
Automatization and Robotization for Production Processes (Laboratory and Lecture)
Biological Methods in Environmental Protection (in English)
Selected Issues in Environmental Protection (Laboratory and Lecture)
Plant-based Food Technology (Laboratory)
Selected Issues in Fruit and Vegetable Processing Technology (Laboratory and Lecture)
How to Write Scientific Articles (Workshops for Doctoral Students) in English
How to get money for research (Workshops for Doctoral Students) in English
Environmental Management (in English)
Real Green Projects (In English) in cooperation with prof. Bettina Maisch, prof. Verena Kaiser (Hochschule München - University of Applied Sciences, Germany), Swechhya Raibhandary, Udgum Khadka (Kings' College, Nepal)

Courses

2016 – Corruption in public administration - certificate P-00098/2016/00001533003 (Program Zapobiegania i Zwalczania Przestępczości ze Strony Komisji Europejskiej – Dyrekcja Generalna, Wydział Spraw Wewnętrznych)

2016 – Corruption in business- certificate P-00125/2016/00001533001 (Program Zapobiegania i Zwalczania Przestępczości ze Strony Komisji Europejskiej – Dyrekcja Generalna, Wydział Spraw Wewnętrznych)

2016 – Social effects on corruption - certificate P-00119/2016/00001533002 (Program Zapobiegania i Zwalczania Przestępczości ze Strony Komisji Europejskiej – Dyrekcja Generalna, Wydział Spraw Wewnętrznych)

2017 – How to evaluate projects POIR 2014-2020 in the area of scientific and technological as well as economic and business criteria, certificate: exam with a positive mark. National Centre for Research and Development.

2018 – New criteria and model for the evaluation of applications at the NCBiR under the POIR 2014-2020, with particular emphasis on the eligibility and adequacy of expenditure, certificate: exam with a positive mark. National Centre for Research and Development.

2018 – Practical aspects of awarding scholarships at the university. Optima Centrum Rozwoju i Kształcenia Kadr s.c.

2018 – How to run an HEInnovate workshop interactive training session – Technopolis group United Kingdom, OECD, European Commission, Brussels

2021 Train the trainer programme (90h) Entretime. The European training programme in Entrepreneurship for Educators.

2021 Academic Tutoring

Implementation of technologies, structures, processes, solutions and procedures (selected):

2013 An innovative solution in process parameters for the tortilla with reduced gluten content - development of a rationalization project and a business plan for a technological investment in order to implement an innovative solution into economic practice as part of a project financed by the European Social Fund, Human Capital Operational Program, poddziałanie 8.2.1 Support for cooperation between science and enterprises under the project "Internship inspirations of scientists for innovative business". Wrocław Council of the Federation of Scientific and Technical Associations NOT, for Dijo sp. z o.o. 2012/2013 (P/S/39/2013)

2016 Method of co-fermentation of wastewater from washing cisterns transporting chocolate (chocolate washings) with an organic fraction separated from mixed municipal waste - development and implementation at ZGO Gać

2016 The method of co-fermentation of corn broth with an organic fraction separated from mixed municipal waste, development and implementation at ZGO Gać

2016 The method of co-fermentation of kitchen waste with an organic fraction separated from mixed municipal waste, development and implementation at ZGO Gać

2016 Method for reducing the load of ammonium ions in leachate from biological waste treatment, development and implementation at ZGO Gać

2016 Method of oxygen stabilization of dehydrated sludge from fermentation of the biodegradable fraction separated from mixed municipal waste (digestate), development and implementation at ZGO Gać.

English – C1
German – B1
Russian – B1l
Italian – A1

Managing a financial research project as part of a national or international competition:

- BioInLab (financed by DIP) - Bioeconomic Laboratory of the University of Economics in Wrocław. Project manager at UEW: Małgorzata Krzywonos, start date 01-01-2019, end date 31-12-2020, Completed - not realised (contract terminated by UEW) IP (COP_01)

The funding awarded will be used to set up a modern and very well-equipped bioeconomy laboratory, 'BioInLab', which will provide research services for entities from the business environment in the field of analyses leading to the development of new products or improvements to products already on the market and their manufacturing technologies in the areas of bio-waste, bio-products and high-quality food. The BioInLab concept is particularly aimed at micro, small and medium-sized enterprises. It offers them the opportunity to use the necessary analytical equipment, but only to the extent that the companies need it (tailor-made offer). This will enable research into innovative products, from idea to prototype, without the need to commit significant equity capital. Companies will be provided with assistance in technological matters (e.g. verification of results, identification of reasons for obtaining them, suggestions for further action) as well as in legal, organisational, economic and financial aspects.
Implementation doctorate (1st edition IE, DrWdroż1 IE, Ministry of Science and Higher Education). Project manager at the University of Economy in Wrocław: Małgorzata Krzywonos, start date 01-10-2017, end date 31-01-2022, Completed - implemented IE (COP_01). Conducting stationary doctoral studies starting in the academic year 2017/2018, the education of which will take place in cooperation with the doctoral student's employer, during which a solution prepared by the doctoral student will be implemented at the employer's.

- Grants for Fork2Farm, GnG Fork2Farm, MEiN. Project manager at UEW: Małgorzata Krzywonos, start date 30-12-2021, end date 29-03-2022, Completed - settled Z. The project involves the payment of additional remuneration to research workers involved in the development of high-quality grant applications for the Horizon 2020 programme. The aim of the project is to increase the effectiveness of applying for grants financed from the European Union budget for the implementation of projects

within the framework of European Union research programmes and the involvement of employees in the development of high-quality applications for these grants. Project: A climate-neutral farm with hydrogen production and carbon sequestration using digestate from food waste as a resource, in accordance with the principles of circular economy for the practical application of the 'from farm to fork' strategy - Acronym: Fork2Farm

- GnG-Climate-Neutral City Transition and Twinning Initiative for Ukraine (GnG-TwinCity, Ministry of Science and Higher Education). Project manager at UEW: Małgorzata Krzywonos, start date 28-08-2024, end date 27-11-2024, Completed - implemented Z.

The aim of the project is to increase the efficiency of applying for grants financed by the European Union under research programmes such as Horizon Europe. The project plans to support EUW employees involved in the development of a high-quality Horizon Europe proposal, which is expected to contribute to better funding for research and development in the future.

- Interdisciplinary Doctoral Programme at the Faculty of Engineering and Economics at the University of Economics in Wrocław (IPSD, NCBiR). Project manager at UEW: Małgorzata Krzywonos, start date 01-09-2017, end date 31-12-2023, Completed - settled (COP_01). The main objective of the project is to create a new interdisciplinary programme of full-time doctoral studies at the national level in the field of economics (discipline: economics) and agricultural sciences (discipline: food and nutrition technology) of an academic nature, taking into account international aspects. Support will be provided to 10 people. It is expected that by the end of the project, at least 60% of the participants will have obtained a doctoral degree. The project is part of the activities undertaken to increase the potential of innovative research relevant to the region's economy in the areas of high-quality food and the chemical and pharmaceutical industry within the framework of Lower Silesian Smart Specialisations. This objective is in line with the specific objective for POWER 3.2. to increase the quality and effectiveness of doctoral education. The project covers the full cycle of education at the third-cycle studies and will be implemented from 01.09.2017 to 30.08.2022. The staff of the Faculty of Engineering and Economics (WIE) was involved in the preparation of IPSD, recommendations of regional employers' representatives and the experience of foreign lecturers were used as well as the results of surveys conducted by the University of Applied Sciences in Wrocław in March 2017. The content of the developed doctoral programmes will be in line with the European Charter for Researchers. The new educational programme will include classes in two fields: economics and food technology. The resulting scientific activity will result in an interdisciplinary doctoral dissertation. To strengthen the interdisciplinary aspect, each student will be supervised by two supervisors - experts from both disciplines. The educational profile is similar to the engineering management programme, which is popular in Western Europe, and graduates of which have the ability to combine knowledge of

economics and food and nutrition technology. The programme is a response to the growing demand for PhDs with interdisciplinary knowledge and unique skills and competences to make comprehensive diagnoses.'

Awards and honours (national and international):

- Award for Excellence in Science and Research granted by the Rector of Wroclaw University of Economics and Business: 1st degree: 2014-2015, 2017-2019, and 2021, 2nd degree: 2016. Written distinction of the Rector for achievements in conducting scientific activity in 2022.
- 2nd degree Rector's Award for achievements in student education and training or doctoral training in 2023, 2024
- Written distinction of the Rector for achievements in 2022 in the area of conducting scientific activity, 2023
- 1st degree Rector's award for achievements in 2022 in the area of organisational activities, 2023
- 2nd degree Rector's award for achievements in 2022 in the area of educating and raising students or participation in the education of doctoral students, 2023
- 2nd degree Rector's Award for achievements in the area of education and upbringing of students or participation in the education of doctoral students in 2021, 2021
- First degree Rector's Award for achievements in the organisational area in 2021, 2021
- First-degree Rector's Award for achievements in scientific activity in 2021, 2021
- First-degree Rector's Award for achievements in scientific research in 2019, 2020
- First-degree Rector's Award for achievements in the education of research staff in 2019, 2020
- First-degree Rector's Award for organisational achievements in 2019, 2020
- Second-degree academic allowance, 2024
- Second-degree academic allowance, 2023

Participation in programmes and training as a listener (mentoring, tutoring, qualification programmes):

2021 Train the trainer programme (90h) Entretime. The European training programme in Entrepreneurship for Educators
2021 Tutoring akademicki

2024 Teaching & Learning Studio program. In-person workshop, organized by Stanford University's Hasso Plattner Institute of Design (d.school), Stanford, CA, USA

Cooperation with a foreign university or research institution:

2024 June (one month) University of Foggia, Italy. Department of Economy, Management and Territory Chapter: Best practices in food waste recovery to be published in Encyclopedia of Agriculture and Food Systems, 3rd Edition Elsevier (contracted)
2024, July

Giving a scientific presentation at an international or national conference(s):

1. Maisch, B. Kaiser, V., Krzywonos, M. Rueda A. Applying what we teach: Build – Measure – Learn in entrepreneurship education 27th Annual Interdisciplinary Conference on Entrepreneurship, Innovation and SMEs 25-27. September 2024. G-Forum. Katholische Universität Eichstätt-Ingolstadt / Technische Hochschule Ingolstadt (Germany). (Lecture)
2. Kaiser V., Krzywonos M., Maisch M Emphasizing Sustainability in Entrepreneurship Education: Lessons Learned from a Case Study European Conference on Innovation and Entrepreneurship. 2024. 19 (1), 290-298. (Lecture)
3. Krzywonos M., Piekara A. Upcycled food as sustainable solution for food waste International Conference on Quality and Management Sciences Book Of Abstracts, Editor: M. Sielicka-Różyńska; Institute Of Quality Science, Poznań University Of Economics And Business 13th - 15th September 2023 Poznań, Poland P.47 ,
4. Published : W K. Michocka & M. Tichoniuk (Red.), Current Trends in Quality Science. Innovative and sustainable products, materials, and technologies. 2023, 149–158. https://doi.org/10.56091/CTQS.Innov-12. .(Lecture)
5. Jagoda A., Kiba-Janiak M., Krzywonos M., Kołakowski D. Reverse supply chain for the circular pur foam from appliance. Challenges and barriers 2023, 11th Carpathian Logistics Congress 2023, 1-12 s. (Lecture)
6. Piekara, A., Krzywonos, M., Pachołek, B., Sady, S., Błaszczyk, A., Popek, S., Syguła-Cholewińska, J., & Sawoszczuk, T. Conditions for the Management of by – Products of Chokeberry Fruit Processing in the Opinion of Polish Food Producers. International Conference on Quality and Management Sciences Book Of Abstracts, Editor: Maria Sielicka-Różyńska; Institute Of Quality Science, Poznań University Of Economics And Business 13th - 15th September 2023 Poznań, Poland

7. Published: W K. Michocka & M. Tichoniuk (Red.), Current Trends in Quality Science. Innovative and sustainable products, materials, and technologies (2023, 179–187). https://doi.org/10.56091/CTQS.Innov-15 (Poster)
8. Krzywonos M., Maisch B., Kaiser V., Build-Measure-Learn in Education: Lessons Learned from the Iterative Development of a digital Project-based International Entrepreneurship Format. Proceedings of the 18th European Conference on Innovation and Entrepreneurship, 18(2) (2023), Part 2 / Work in Progress Papers; https://doi.org/10.34190/ecie.18.2.1554 (Lecture)
9. Pinkowska H., Krzywonos M., Wolak P., Zlocinska A Hydrothermal conversion of white lupin straw to 5-hydroxymethylfurfural and sugar-rich fractions for biochemical conversion 4th International Conference on Bioresource Technology for Bioenergy, Bioproducts & Environmental Sustainability, 2023, 14-17 May 2023, Lake Garda, Italy, Elsevier. (Poster)
10. Romanowska-Duda Z, Łoniewska J., Szufa S., Krzywonos M., Piotrowski K., Emmanouil C., Kungolos A. Utilization of waste from the dairy industry in the breeding media of Lemnaceae plants. Economic analysis Proceedings of the Tenth International Conference on Environmental Management, Engineering, Planning and Economics (CEMEPE 2023) and SECOTOX Conference. June 5-9, 2023, Skiathos Island, Greece (Poster)
11. Piekara A., Krzywonos M., Błaszczyk A., Sady S., Pachołek B., Popek S., Syguła-Cholewińska S., Sawoszczuk T., Kaczmarek A. The potential of by-products from chokeberry processing - development of a sustainable method of upcycling fruit processing waste 10th International Conference on Sustainable Solid Waste Management 2023, (Poster)

Membership in foreign or international societies, organizations and scientific institutions:

- European Commission - Innovation and Networks Executive Agency –FP7 and H2020: the Individual Marie Curie actions under the PEOPLE Programme, and H2020 more than 200 proposals (2010 – still)
- Expert evaluations of research proposals Romanian Executive Agency for Higher Education, Research, Development and Innovation Funding, UEFISCDI: "Young Research Teams" –, Human Resources Programme" Romania more than 70 proposals (2015 – still)
- Expert evaluations of research proposals Forschungszentrum Jülich GmbH (Germany)more than 30 proposal (2018- still)
- Editorial Board Member Polish Journal of Environmental Studies od 2019

Membership in expert teams:

2010 – present: Narodowe Centrum Badań i Rozwoju (National Centre for Research and Development, Poland) - Expert Evaluator (more than 120 projects)

2023-2026: Vice-Chair of the Board of the Commodity Science - Quality Science Commission; Poznań Branch of the Polish Academy of Sciences.

2009-2021: Member of the Polish Society of Food Technologists.

Since 2020: Member of the advisory group of the Polish Delegation to the Programme Committee of Cluster 4, PR Horizon Europe since 2020

Number of PhD students promoted:

10

Prof. Dr. hab
Wojciech Czakon

Jagiellonian University in Cracow

- ✓ 2013: Title of **Professor of Economic Sciences**, awarded by decision of the President of the Republic of Poland of 17 July 2013.
- ✓ 2007: **Doctor of post-doctoral degree in economic sciences in the field of management sciences**, awarded by the resolution of the Board of the Department of Management at the Academy of Economics in Katowice on 14 November 2007 on the basis of scientific achievements and the presented habilitation thesis entitled "Dynamics of inter-organisational **relations of** an enterprise". D. dissertation entitled "Dynamika więzi międzyorganizacyjnych przedsiębiorstwa" (The dynamics of inter-organisational ties in an enterprise), with the following reviewers: Prof. Dr. Jan Lichtarski, Prof. Dr. Adam Stabryła, Prof. Dr. Rafał Krupski, Prof. Dr. Mariusz Bratnicki.
- ✓ 2002: **Doctor of Economics in the field of management sciences**, awarded by the resolution of the Council of the Faculty of Management at the Academy of Economics in Katowice on 19 December 2002. The topic of the doctoral dissertation "Efficiency of the value chain on the example of enterprises in selected sectors", supervisor Prof. Dr. Krystyna Lisiecka, reviewers Prof. Dr. hab. Kazimierz Zimniewicz and Prof. Dr. hab. Jerzy Rokita.
- ✓ 1998: **Master's** degree in management and marketing specialising in business management, Faculty of Management, Karol Adamiecki Academy of Economics in Katowice, dated 29 May 1993.
- ✓ 1996: **Diplome Universitaire de Technologie** awarded at the Institut Universitaire de Technologie, Bourges, at the Universite d'Orléans France, in the specialisation "Gestion *applique aux petites et moyennes organisations*", dated 9 September 1997
- ✓ 1993: **Baccalaureat, Diplome du Baccalaureat**, Series C Mathematics and Physics, Academie Aix-Marseille, dated 2 July 1993.

Work experience:

2002-2017: University of Economics in Katowice, in the positions successively of assistant (2002-2003), assistant professor (2003-2007) and associate professor (2007-2013) in the Department of Business Management at the Faculty of Management. Subsequently, full professor and head of the Department of Management Theory.
2010-2015: Director of the Silesian International Business School jointly run by the University of Economics in Katowice and the University of Silesia.
2010- still: full professor at the Poznań School of Banking, department in Chorzów.
2017-still: Professor with the title of Honorary Full Professor at Jagiellonian University in Krakow, Faculty of Management and Social Communication, Head of the Department of Strategic Management.

Non-academic work experience:

1996-1998: Upper Silesian Fund SA, assistant to the President of the Management Board
1999-2002: financial director of the consulting company S.T.A.W. sp z o.o. in Katowice
2001-2002: Capital Management Director INVESTIA Grupa Kapitałowa S.A.
2005-2007: Chairman of the Supervisory Board of Fabryka Elementów Złącznych SA in Siemianowice Śląskie.

Scientific activities:

Professor Wojciech Czakon conducts research in the discipline of management sciences, a sub-discipline of strategic management, in the behavioral stream, focusing his attention on inter-organizational phenomena, processes, and structures. Three areas can be distinguished, related to the key issue of interaction in the social sciences:
1. Behavioral determinants of strategic decisions, with recent work addressing issues such as managers' strategic myopia, perception of competitors, behavioral determinants of coopetition, perceptions of actors in the network, and preferences for configurations of cooperation with competitors
2. Inter-organisational cooperation.
3 Methodology of the Management Sciences, where he undertook the development of interpretive research methodology and then more broadly the foundations of research methodology in the management sciences, in an inter-university team of authors under the direction of the candidate;

Professor Wojciech Czakon has researching inter-organisational cooperation and especially cooperation between competitors (hereafter coopetition) since 2006. They have resulted in the award of a postdoctoral degree (2007) and the internationalisation of

research cooperation, expressed in publications in prestigious journals of the management and quality sciences discipline. The professor recognised the dynamics of inter-organisational ties (2007), revealed the structural determinants of coopetition emerging in franchise networks (2009), and introduced the methodology of systematic literature review (2011, 2014) as an exploratory standard for management and quality sciences. He then deepened the structural strand of research on the importance of networks in strategic management (2013), deepening the static account of structural determinants, but also developing the dynamic account and especially the roles played by organisations in network structures.
In recent work, Professor Wojciech Czakon addresses the strategic problem of coopetition between competitors. In contrast to the economic category of collusion, coopetition is directed towards the creation of value, rather than merely distorting its distribution in favour of interacting rivals (Czakon et al. 2020b).

In addition, Professor Wojciech Czakon has been intensively developing the methodology of management science since 2006. In the Polish management science community, he has published methodological papers regarding the procedure and applications of case studies (2006), the qualitative research qualities and limitations (2009b), and structural network research (2014b), criteria for evaluating methodological rigour applied to quantitative research and qualitative research (2014c), and the development and validation of measurement scales (2019). The collective work he initiated and edited entitled "Fundamentals of Research Methodology in the Management Sciences" has received 3 editions (2011, 2013, 2016) and an award from the Committee on Organization and Management Sciences of the Polish Academy of Sciences (2017). The most recent co-authored work with Prof. Dr. Beata Glinka in this strand concerns qualitative research methodology. The methodological research stream has also resulted in his role as co-chair, mentor and lecturer of the Doctoral Colloquium of the European Academy of Management (EURAM) from 2013 to 2017.

List of scientific publications:

Over 250 published papers, including: 6 monographs (one in English), 2 textbooks, 9 edited collective papers (3 English-language) 60 articles indexed in Scopus, 60 articles indexed in JCR list. Co-authored papers published with 53 co-authors,
Scientometrics: 8,092 citations in Publish or Perish database, Hirsch index = 44; According to Scopus 1,356 citations h=21, according to WoS 1,173 citations h=19.

Books and monographs

1. Jak powstają wielkie strategie? I dlaczego nie wszystkie muszą być wielkie, Warsaw
2. Strategic management and myopia: challenges and implications, Routledge, London, 2021
3. Krótkowzroczność strategiczna menedżerów. Cracow 2020.
4. Sieci w zarządzaniu strategicznym, Warsaw, 2012
5. Dynamika więzi międzyorganizacyjnych przedsiębiorstwa, Katowice, AE, 2007 (Habilitation thesis)
6. Łańcuch wartości w teorii zarządzania przedsiębiorstwem. Publisher of the Academy of Economics in Katowice, 2004 and 2005 (1st and 2nd ed.)

Textbooks

1. Planowanie i kontrola budżetowa w organizacjach, Warsaw, 2011
2. Podstawy badań jakościowych, B. Glinka i W. Czakon, Warsaw 2021

Edited works

1. The Routledge companion to Coopetition Strategies, Anne-Sophie Fernandez, Paul Chiambaretto, Frederic Le Roy, Wojciech Czakon, Routledge, 2019.
2. Tourism Management, Marketing, and Development: Performance, Strategies, and Sustainability, M.M. Mariani, D. Buhalis, W. Czakon, O Vitouladiti (eds.), Palgrave MacMillan, New York, 2015
3. Managing Tourism in a Changing World: Issues and Cases, R. Baggio, W. Czakon, M. Mariani (eds.) Routledge, London, 2013
4. Podstawy metodologii badań w naukach o zarządzaniu. Wydanie III rozszerzone i uaktualnione, W. Czakon (ed.), Wolters Kluwer, Warszawa 2015
5. Podstawy metodologii badań w naukach o zarządzaniu. Wydanie II rozszerzone i uaktualnione, W. Czakon (ed.), Wolters Kluwer, Warszawa 2013
6. Podstawy metodologii badań w naukach o zarządzaniu, W. Czakon (ed.), Wolters Kluwer Polska, Warszawa 2011

7. Interdyscyplinarność w naukach o zarządzaniu, W. Czakon, M. Komańda (ed.) Prace Naukowe Uniwersytetu Ekonomicznego w Katowicach 2011
8. Współczesne i perspektywiczne kierunki badań w zarządzaniu przedsiębiorstwem, J. Rokita, W. Czakon, A. Samborski (ed.), AE Katowice, 2009, pp. 23 – 30
9. Zarządzanie – współczesne problemy badawcze, A. Bajdak, W Czakon (ed.) III Forum AE Katowice, 2008

Articles in international scientific journals :

1. Czakon, W., & Meyer, N. (2024). Why is digital transformation so slow? The shadow of dehumanization 2.0. Central European Management Journal, 32(3), 339-349.
2. Lenart-Gansiniec, R., Czakon, W., & Meyer, N. (2024). Antecedents of researchers' behavioral intentions to use crowdsourcing in science: a multilevel approach. Review of Managerial Science, 1-35.
3. Kallmuenzer, A., Mikhaylov, A., Chelaru, M., & Czakon, W. (2024). Adoption and performance outcome of digitalization in small and medium-sized enterprises. Review of Managerial Science, 1-28.
4. Czakon, W., Mania, K., Jedynak, M., Kuźniarska, A., Choiński, M., & Dabić, M. (2024). Who are we? Analyzing the digital identities of organizations through the lens of micro-interactions on social media. Technological forecasting and social change, 198, 123012.
5. Kusa, R., Suder, M., Duda, J., Czakon, W., & Juárez-Varón, D. (2023). Does knowledge management mediate the relationship between entrepreneurial orientation and firm performance?. Journal of Knowledge Management, 28(11), 33-61.
6. Czakon, W., Klimas, P., & Kawa, A. (2023). Re-thinking strategic myopia: A necessary condition analysis of heuristic and firm's performance. Industrial Marketing Management, 115, 99-109.
7. Lenart-Gansiniec, R., Czakon, W., Sułkowski, Ł., & Pocek, J. (2023). Understanding crowdsourcing in science. Review of Managerial Science, 17(8), 2797-2830.
8. Czakon, W., Jedynak, M., Kuźniarska, A., & Mania, K. (2023). Social media and constructing the digital identity of organizations: A bibliometric analysis. Entrepreneurial Business and Economics Review (EBER), 11(4).
9. Czakon, W., Klimas, P., Kawa, A., & Kraus, PP. (2023). How myopic are managers? Development and validation of a multidimensional strategic myopia scale. Journal of Business Research, 157, 113573.

10. Zakrzewska-Bielawska, A., Czakon, W., & Kraus, PP. (2023). Relational orientation in B2B strategies: Measurement scale development and validation. Journal of Business Research, 160, 113791.
11. Roth, S., Czakon, W., Amann, W., & Dana, L. P. (2023). From organised scepticism to research mission management? Introduction to the Great Reset of management and organization theory. Scandinavian Journal of Management, 39(3), 101277.
12. Czakon, W., Jedynak, P., & Konopka-Cupiał, G. (2022). Trust-and distrust-building mechanisms in academic spin-off relationships with a parent university. Studies in Higher Education, 47(10), 2056-2070.
13. Czakon, W., Klimas, P., Tiberius, V., Ferreira, J., Veiga, P. M., & Kraus, PP. (2022). Entrepreneurial Failure: Structuring a Widely Overlooked Field of Research. Entrepreneurship Research Journal.
14. Zakrzewska-Bielawska, A., Czakon, W., & Gantert, T. M. (2022). Old guards or new friends? Relational awareness and motivation in opportunities seizing. European Management Journal.
15. Brits, E., Czakon, W., Volschenk, J., & Kraus, S. (2023). Interorganisational citizenship behaviours: development and validation of a measurement scale in South African craft breweries. British Food Journal, 125(6), 2123-2138.
16. Czakon, W., Hajdas, M., & Radomska, J. (2022). Playing the wild cards: Antecedents of family firm resilience. Journal of Family Business Strategy,
17. Lenart-Gansiniec, R., Czakon, W., & Pellegrini, M. M. (2022). In search of virtuous learning circles: absorptive capacity and its antecedents in the education sector. Journal of Knowledge Management, 26(11), 42-70
18. Klimas, P., & Czakon, W. (2022). Gaming innovation ecosystem: actors, roles and co-innovation processes. Review of Managerial Science, 1-47.
19. Klimas, P., Czakon, W., & Fredrich, V. (2022). Strategy frames in coopetition: An examination of coopetition entry factors in high-tech firms. European Management Journal, 40(2), 258-272.
20. Klimas, P., & Czakon, W. (2022). Species in the wild: a typology of innovation ecosystems. Review of Managerial Science, 16(1), 249-282.
21. Ricciardi, F., Zardini, A., Czakon, W., Rossignoli, C., & Kraus, S. (2022). Revisiting the cooperation–competition paradox: A configurational approach to short-and long-term

coopetition performance in business networks. European Management Journal, 40(3), 320-331.

22. Klimas, P., Czakon, W., Kraus, S., Kailer, N., & Maalaoui, A. (2021). Entrepreneurial Failure: A Synthesis and Conceptual Framework of its Effects. European Management Review, 18, 167-182 (IF=3,0; ABS 3)
23. Czakon, W., Mucha-Kuś, K., & Sołtysik, M. (2021). Coopetitive platform: Common benefits in electricity and gas distribution. Energies, 14(21), 7113.
24. Czakon, W., Niemand, T., Gast, J., Kraus, S., & Frühstück, L. (2020). Designing coopetition for radical innovation: An experimental study of managers' preferences for developing self-driving electric cars. Technological Forecasting and Social Change, 155, 119992. (IF=8,593, ABS 3)
25. Jedynak, M., Czakon, W., Kuźniarska, A., & Mania, K. (2021). Digital transformation of organizations: what do we know and where to go next?. Journal of Organizational Change Management, 34(3), 629-652.
26. Kawa, A., Czakon, W. (2020). Network Orientation In Logistics Service Industry: Conceptualization And Operationalization Of The Theoretical Constructs. Business Logistics in Modern Management, 20, 113-127.
27. Czakon, W., Kawa, A., Scott, S. (2020). Network orientation of logistics service providers: the construct, dimensionality and measurement scale. International Journal of Logistics Research and Applications, 23(5), 474-492.
28. Czakon, W., Klimas, P., & Mariani, M. (2020). Behavioral antecedents of coopetition: A synthesis and measurement scale. Long Range Planning, 53(1), 101875.
29. Czakon, W., Gnyawali, D., Le Roy, F., & Srivastava, M. K. (2020). Coopetition strategies: Critical issues and research directions, Long Range Planning, 53(1), 101948
30. Czakon, W., & Czernek-Marszałek, K. (2021). Competitor perceptions in tourism coopetition. Journal of Travel Research, 60(2), 312-335.
31. Wang, C., Pellegrini, M. M., Czakon, W., Gnan, L., & Flamini, G. (2019). Opportunity Recognition in Family Entrepreneurship: Voluntaristic and Deterministic Orientations of Individual Cognitions. Journal of Small Business & Entrepreneurship, 1-22.
32. Czakon, W., Kawa, A. (2018). Network myopia: An empirical study of network perception. Industrial Marketing Management, 73, 116-124

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3. Praktyczne aspekty implementacji rachunku kosztów działań i zarządzania działaniami. Cz. III. Controlling i Rachunkowość Zarządcza 2002, Nr 7, pp. 8 – 11 (współautor I. Jakubiec)
4. Praktyczne aspekty implementacji rachunku kosztów działań i zarządzania działaniami. Cz. IV. Controlling i Rachunkowość Zarządcza 2002, Nr 8, pp. 11 – 17 (współautor I. Jakubiec)
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12. Zarządzanie projektem wdrożenia ABC/M z perspektywy wdrożeniowca i użytkownika. Perspektywa wdrożeniowca. Controlling i Rachunkowość Zarządcza 2003, Nr 11, pp.13 – 17
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35. Jak analizować przychody i koszty, które generują osobno produkcja i montaż. Controlling i Rachunkowość Zarządcza 2006, Nr 6, Dodatek Porady Ekspertów, pp. 6 – 8
36. Trening praktyczny – system budżetowania w zarządzaniu projektami – propozycja rozwiązania. Controlling i Rachunkowość Zarządcza 2006, Nr 8, pp. 8 – 10
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39. Jak wdrożyć controlling w aptece i restauracji. Controlling i Rachunkowość Zarządcza 2006, Nr 9, Dodatek Porady Ekspertów, pp. 1 – 2
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41. Controlling produkcji – rozwiązania strukturalne i instrumenty, Controlling i Rachunkowość Zarządcza 2008, nr 4, pp. 18 – 26
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47. Cień przyszłości w budżetowaniu, Controlling I Rachunkowość Zarządcza 2012, nr 4, pp. 58 – 63

Organisational activities:

- ✓ **Founder** of the Department of Management Theory at the University of Economics in Katowice (2015) and the Department of Strategic Management at the Jagiellonian University in Krakow (2018).
- ✓ ***Active participant in*** Polish scientific life, organiser of, among others, the 2018 conference of the Committee on Organisation and Management Sciences of the Polish Academy of Sciences "Summer School of Management", PhD seminars, the WSB conference in Chorzów "Enterprise in the Network" (2013, 2015, 2017), "Counterpoints" seminars organised jointly with the University of Warsaw

Member of editorial committees of journals:

- ✓ Long Range Planning - editorial board
- ✓ Industrial Marketing Management - editorial board
- ✓ Journal of Family Business Strategy - editorial board
- ✓ Journal of Economics and Management - editor in chief (2014-2016)
- ✓ Journal of Contemporary Management - head of the scientific board
- ✓ Journal of Entrepreneurship, Management and Innovation - editorial board
- ✓ Central European Management Journal - editorial board

Editorial collaboration :

- ✓ Long Range Planning, special issue on Coopetition with Devi Gnyawali, Federic Le Roy, Manish Srivastava (2020)
- ✓ Industrial Marketing and Management, Special Issue on "Managing Coopetition: Transcending a paradox", with Frederic Le Roy and Giovanni Battista Dagnino, published 2016
- ✓ International Studies of Management and Organization, double Special Issue on "Coopetition and Value Networks", with Frederic Le Roy and Giovanni Battista Dagnino, published 2016
- ✓ International Journal of Business Environment, Special Issue on Coopetition "From Paradox to practice: the Rise of Coopetition Strategies", with Anne-Sophie Fernandez and Anna Mina, Special Issue on Coopetition, 2014, Vol. 6 No. 1
- ✓ Journal of Social Management, Revue Europeenne des Sciences Sociales et du Management, Zeitschrift fur Sozialmanagement, Special Issue on "Coopetition:

strategies et performance", with Frederic Le Roy and Anne Sophie-Fernandez, Vol. 11, No. 2, 2013

Management of a financial research project within a national or international competition / Contractor in a financial research project(s) within a national or international competition:

Implementation of a total of 31 research projects including:

- 3 with funding from the European Union ('*Anticipation and Collaboration to better Understand Structural Transformation*' ANCOBEST under the direction of Rationalisierung und Innovationszentrum der Deutschen Wirtschaft e.V. Funding for this project included contract VP/2007/005/210 - from the European Commission's Directorate General for Employment, Social Affairs and Equal Opportunities in the 7th Framework Programme (Fostering Regional Development through Anchors and Networks realised in a consortium led by Universita di Bologna, and Horizon2020 (A Team-Building, Thematically-Focused and Lean-Training Summer Academy System For Young Future ICT Entrepreneurs realised in a consortium led by Sheffield University.),
- 4 projects funded by national competition funds: 1 from MNiSW funds (entitled. "*The role of social capital in building the competitiveness of companies in the packaging sector in Poland*", to finance the empirical research of MA Dariusz Lizak. The patronage for this project was formally assumed by the Polish Chamber of Packaging. The project was crowned with the defence of his doctoral thesis in December 2011) and 3 funded by the National Science Centre OPUS7, OPUS14, OPUS19 (in 2015-2018 project no. 2014/13/B/HS4/01615 titled "The antecedents of diads and the antecedents of packaging companies in Poland". "Antecedents of diads and networks in tourism"; in 2018-2022 project no. 2017/27/B/HS4/01150 titled. "Strategic myopia and corporate performance"; and in 2021-2025 project No. 2020/37/B/HS4/00360 entitled. "Digital identity - a multi-level analysis of the impact on stakeholder engagement").
- 19 statutory research projects: 2003: Conceptualisation of the competitive context of the enterprise in aspects of the value chain and learning processes, under the direction of Prof. zw. dr hab. Jerzy Rokita; 2004: Development of tools for the study of the competitiveness of enterprises, under the direction of Prof. zw. dr hab. Jerzy Rokita; 2005: Epistemology of change - dynamics in theory, supervised by Prof. zw. dr hab. Jerzy Rokita; 2006: Processes of emergence of inter-organisational ties in enterprises,

supervised by Prof. zw. dr hab. Jerzy Rokita; 2007: Monitoring and integration as key tasks of knowledge strategy implementation, supervised by Prof. zw. D. hab. Jerzy Rokita; 2008: The process of competitive interaction of enterprises - coopetition strategy stage I, own project; 2009: Creation and exploitation of inter-organisational networks in the strategy of enterprises of the financial sector, own project; 2010: Creation and exploitation of inter-organisational networks in the strategy of enterprises of the financial sector stage II, own project; 2011: Creation and exploitation of inter-organisational networks in the strategy of enterprises of the financial sector stage III, own project; 2012: Sectoral determinants of coopetition strategy - evolutionary approach, Stage I, own project; 2013: Sectoral determinants of coopetition strategy - an evolutionary approach, Stage II; 2014: Sectoral determinants of coopetition strategies - an evolutionary approach, Stage III; 2015: Micro-foundations of inter-organisational coopetition decisions, Stage I; 2016: Microfoundations of inter-organisational coopetition decisions, Stage II; 2017: Microfoundations of inter-organisational interaction decisions, Stage III.

- 5 in own research: 2003: Value chain in business management theory; 2004: Application of value chain theory to competitive strategy; 2005: Coordination mechanisms in the extended enterprise; 2006: Features of ties in a network organisation; 2007: Controlling the dynamics of inter-organisational ties in the enterprise.

International research activities are manifested in the implementation of 3 projects funded by the European Union. In 2008, Professor Wojciech Czakon carried out the project "Anticipation and Collaboration to better Understand Structural Transformation" ANCOBEST under the direction of Rationalisierung und Innovationszentrum der Deutschen Wirtschaft e.V.. Funding for this project included contract VP/2007/005/210 - from the European Commission's Directorate-General for Employment, Social Affairs and Equal Opportunities. Nine partners participated in this project, from: Belgium, France, Denmark, Spain, Italy, Malta, Portugal, UK and Poland. On the Polish side, the partner was the Scientific Society of Organisation and Management (TNOiK) Katowice Branch. The subject of the inquiry was good practices in the field of social dialogue and anticipation of the effects of restructuring processes. The contribution of the team under the direction of the Candidate was the development and presentation of examples of social dialogue in Upper Silesia. In 2009-2011, Professor Czakon led the Polish team (lead investigator) in a research project financed under **the 7th EU Framework Programme** entitled "Fostering Innovation through Anchors and Networks" FRIDA in an international consortium led by the University of Bologna. The project received funding from the Socio-Economic Sciences and Humanities Unit, in the area 8.2.2. Regional, Territorial and Social Cohesion, contract number 225546. FRIDA was a project aimed at improving EU regional policy through a better understanding of the

mechanisms of economic networks and, in particular, of the so-called anchor firms that play a special role in these networks and their impact on the regional development of member states and the community as a whole. It is nowadays recognised that it is the 'anchor firms' and the networks they form that are becoming increasingly important as entrepreneurial multinationals restructure their activities and also relocate due to the pressures of globalisation. Between 2015 and 2016, the Candidate delivered the project 'Startify7, A Team-Building, Thematically-Focused and Lean-Training Summer Academy System for Young Future ICT Entrepreneurs', funded by **Horizon 2020**, under the guidance of the University of Sheffield. Partners in the project also included the universities of Twente, Almeria, as well as associations and organisations: FAU Munich, South East European Research Centre, i4G, Europe Unlimited. The contribution of the research team, led by Professor Wojciech Czakon, was to develop the competence development needs of potential ICT entrepreneurs, to develop the curriculum, and to conduct a summer school for an international group of students.

International activity:

Starting in 2006, Professor Wojciech Czakon became ***active internationally***. He carries it out both at the level of conducting research in international projects, participation in scientific societies and in teaching ventures. This is mainly related to:

a) European Institute for Advanced Management Studies (**EIASM**) for research workshops, particularly on coopetition strategies, and incidentally on intangible resources, networks in tourism and entrepreneurship.

b) European Academy of Management (**EURAM**) where conference participation has evolved from the role of participant-presenter, through to the professor's repeated assignment as a reviewer, as well as discussant or co-referent of panels, the function of track co-organiser, vice-president and chair of the programme board of the annual conference. In addition, since 2011, the professor has been involved in the European Academy of Management's doctoral programme, the so-called EURAM Doctoral Colloquium. In this programme, he acts as a reviewer of doctoral thesis concepts, as a mentor and as a lecturer at the annual workshop held immediately before the EURAM conference. His institutional activities are carried out as National Representative elected for a second term 2013-2016. In June 2014, the professor was elected for a three-year term as EURAM Vice President for the Strategic Interest Group. His role includes an ex-officio role as a member of the Conference

Programme Committee, as well as direct strategic influence on the development of the EURAM community.

c) **Bilateral** collaboration, which takes the form of direct research collaboration with Universite Montpellier I, which has evolved from conference projects to my current role as a reviewer in PhD and postdoctoral dissertations, editing special issues (e.g. International Journal of Entrepreneurial Venturing, Industrial Marketing Management, Long Range Planning), a collective work (Routledge Companion to Coopetition Strategies), running conference tracks (EURAM track CENA i.e. Coopetition, Ecosystems, Networks, Alliances). In addition, I am pursuing a bilateral collaboration with Universita di Roma Tor Vergata as visiting professor (2016 and 2019).

Prizes and awards (national and international):

- Doctor honoris causa of the University of Economics in Wrocław.
- Award of the Committee on Organisation and Management Sciences of the Polish Academy of Sciences:
    - 2017 for the textbook, for the work "Fundamentals of research methodology in management science", 3rd edition, Wolters Kluwer Polska, Warsaw 2015.
    - 2022 for the scientific monograph "Strategic short-sightedness of managers", Jagiellonian University Publishing House, Krakow.
- 15 awards (3 first degree, 3 second degree, 8 third degree) from the Rector of the University of Economics in Katowice
- 1 UEP Rector second degree team prize
- 2 awards from the Rector of the Jagiellonian University
- Prime Minister's Award for Achievement in Scientific Activity, 2021.
- Minister of Education and Science Award for Scientific Achievement, 2022
- 2023 Krzyż kawalerski Orderu Odrodzenia Polski (Knight's Cross of the Order of Polonia Restituta), 2016 Złoty krzyż zasługi (Gold Cross of Merit), 2009 brązowy krzyż zasługi (Bronze Cross of Merit).

Membership of Academic Associations:

- ✓ Member of the Council for Scientific Excellence from 2019, 2nd term from 2023
- ✓ Member of the Committee on Organisation and Management Sciences of the Polish Academy of Sciences since 2012

- ✓ Member of the Committee on Scientific Research of the Polish Academy of Sciences since 2024
- ✓ Member of the Association Internationale de Management Strategique (AIMS) since 2017
- ✓ Member of the European Academy of Management (EURAM) since 2010, member of the council from 2010 to 2016, vice-president for the term 2015-2017
- ✓ Member of the European Institute for Advanced Studies in Management (EIASM) since 2012.
- ✓ Member of the Academy of Management from 2019.
- ✓ Member of the International Society of Professionals in Innovation Management (ISPIM) since 2021

Teaching and promotion activities:

Teaching activities

Professor Wojciech Czakon is active in teaching at all levels of study, which he carried out at the University of Economics in Katowice and currently continues to do at the Jagiellonian University in Kraków and the Merito WSB University in Poznań. His lectures include.Basics of Management, Organisational Behaviour, Strategic Management, Alliances, Mergers and Acquisitions, Management Accounting, Quality Standards in Tourism Services, Budget Planning and Control, Strategic Cooperation of Enterprises, Competitive Strategies, Strategic Cooperation of Enterprises, Cooperation of Enterprises with Banks, Quality Management, Value Chain Management, Knowledge Management, Process Management, Management Information Systems, Quality Management in Tourism Services, Formation of Quality in Tourism Services, Inter-Organisational Network Dynamics, Qualitative Research Methodology, Research Methodology in the Social Sciences, Contemporary Management Theories, Enterprise Theories, Strategic Management.

Professor Wojciech Czakon gave lectures on 'Business strategy' for 54 hours at the first degree programme at Universita di Roma 2 Tor Vergata in 2016 and 34 hours in 2019. As part of the Erasmus programme, he lectured twice on 'Responsibility Accounting' at Hasselt University in Belgium (2009 and 2010). On the other hand, Grenoble Ecole de Mangement hosted him as a lecturer on the subjects "Budgeting and Cost Control" (2009) for his bachelor's degree, and "Management Information Systems Performance" (2011) for his MBA.

He specialises in strategic management for students of MBA programmes (WSB in Chorzów, University of Łódź, Krakow Business School at Krakow University of Economics, Collegium Medicum of Jagiellonian University in Krakow).

For students of doctoral schools (Jagiellonian University in Krakow, Gdansk University of Technology, Wroclaw University of Economics, Maria Curie-Sklodowska University, University of Warmia and Mazury) he gives lectures on research methodology and management theory.

Staff training:

- 6 PhDs promoted: Marcin Komańda (2010), Dariusz Lizak (2011), Patrycja Klimas (2013), Regina Lenart (2013), Mariusz Rogalski (2014), Karolina Mucha-Kuś (2014)
- Reviewer of 29 doctoral theses for universities:
    - Polish 21 (Wroclaw University of Economics: Joanna Radomska 2011, Mark Van Dongen 2012, Piotr Brzuchnalski 2013; Piotr Ney 2014, Michał Organa 2014, Rafał Trzaska 2017, Piotr Andrzejak 2022); University of Economics in Katowice: Bartłomiej Gabryś 2009; Aleksandra Kostka-Bochenek 2014); University Nicolaus Copernicus University in Toruń: Agnieszka Chwiałkowska 2015, Paweł Cegliński 2019; Róża Błaś 2020); Kozminski University - Monika Sak-Skowron 2012, Anna Olszewska 2016, Dariusz Pietyszuk 2017; Paweł Zawiślak 2022); Warsaw School of Economics (Błażej Krężołek 2019; Maciej Mikucki 2019); Jagiellonian University in Kraków (Paweł Ptaszek 2016), Łódź University of Technology (Michał Nowicki 2018; Marcin Cichy 2022)
    - French 2 (Universite de Montpellier: Benjamin Mira 2016, Salwa Hanif 2014),
    - Finnish 2 (Hanken Business School - Johanna Dahl 2016, Lapperanta University of Technology - preexaminer Johanna Gast 2017),
    - South Africa 2 (Stellenbosch University - Jako Volschenk 2016; University of South Africa - Francois Crafford 2021),
    - Italian 2 (Universita Tor Vergata, Cizhi Wang 2019; Damiano Petrolo 2021)
- Reviewer in 20 habilitation proceedings for universities:
    - Polish 16: University of Łódź (Dariusz Trzmielak 2013; Ewa Gwarda-Gruszczyńska 2014, Marek Matejun 2015), Nicolaus Copernicus University in Toruń (Monika Chodorek 2016), Wroclaw University of Economics (Sylwia Stańczyk 2019, Maja Jokiel 2020), Cracow University of Economics (Dorota Barczak 2017, Anna Prusak 2017), Silesian University of Technology (Monika Odlanicka-Poczobutt 2017), Poznań University of Economics (Milena Ratajczak-Mrozek 2018), Warsaw School of Economics (Sylwerster Gregorczyk 2019), University of Warsaw (Michał Zdziarski 2020), Częstochowa University of Technology (Maciej Szafrański 2015), Kozminski University (Daria Gołębiowska-Tataj 2013, Anna Baczyńska 2019), Jagiellonian University (Piotr Lenik 2019)

    - French 4 (Universite de Montpellier: Anne-Sophie Fernandez 2016, Estelle Pellegrin-Boucher 2014, Paul Chiambaretto 2017, Thuy Seran 2019)
- Reviewer in 10 proceedings for obtaining the title of professor: Jacek Rybicki 2014, Monika Kostera 2015, Agnieszka Sitko-Lutek 2018, Przemysław Hensel 2018, Agnieszka Sopińska 2018, Joachim Foltys 2019, Sebastian Kot 2019, Dominika Latusek-Jurczak 2019, Jan Klimek 2019, Henryk Dźwigoł 2019,

Number of PhD students promoted:

6

Prof. Dr. hab.
Beata Glinka

Jagiellonian University in Krakow

- ✓ Doctor of Economics in Management Sciences, **Distinction**, Faculty of Management, University of Warsaw, 2001
- ✓ Doctor habilitatus of Economics in Management Sciences, University of Warsaw, 2009
- ✓ Professor of Professor of Economic Sciences, title conferred by the President of the Republic of Poland, 2015

Employment:

- Faculty of Management and Social Communication, Jagiellonian University in Cracow, Professor - since 2001 - currently
- Faculty of Management, University of Warsaw: assistant professor, associate professor, professor, professor with full status (from 2018) - from 1997-2005
- Academy of Entrepreneurship and Management in Warsaw (currently Kozminski University): assistant, since 2001 assistant professor

Functions held (present and past):

From 2024

- **Plenipotentiary of the Dean** of the Faculty of Management and Social Communication of the Jagiellonian University for matters of cooperation with the environment
- **Head of** the Department of E-entrepreneurship and Innovation (transformed into the Department of Entrepreneurship and Innovation) at the Jagiellonian University.

2022 - 2028

- **Chairperson of the Council of the** Centre for Technology and Knowledge Transfer (formerly University Technology Transfer Centre)
- Member of **the Council of** the Centre for Cooperation and Dialogue of the UW

2021 - 2024

- **Plenipotentiary** of the UW **Rector** for Entrepreneurship Development

- **Member of the Council of** the Scientific Discipline of Management Science and Quality at the University of Warsaw
  2020 - 2024
- **Chair of the Senate Committee** on Finance, University of Warsaw Senate
- **Member of the Senate of the** University of Warsaw
- **Member of** the Rector's **Commission** for the Prime Minister's Award
- **Member of** the UW Rector's Honours **Committee**
- **Member of the Council of** the Interdisciplinary Doctoral School of the UW
- **Member of the Committee** for the Periodic Assessment of Academic Staff, Faculty of Law and Administration, UW
- **Member of the Committee** for Periodic Assessment of Academic Staff, Faculty of Psychology, UW
  2018 - 2020
- **Vice-Chair of the Council of** Discipline Scientific Council Sciences of Management Science and Quality at UW
  2016 - 2020
- **Associate Dean** for Science and Relations, Faculty of Management, UW
- **Member Commissio** Committee Scientific Affairs Committee Senate of the Senate of the University of Warsaw
  as of 2016
- **Originator and Coordinator of** the University of Warsaw Entrepreneur of the Year Competition (przedsiebiorcaroku.uw.edu.pl
- **Head of the Department** of Entrepreneurship and Management Systems, Faculty of Management,
  2014 - 2024
- **Founder** and then Director (until 2016) and Deputy Director of the Centre for Entrepreneurship of the Faculty of Management of the UW
  2012 - 2016
- **Member of** the UW Senate **Committee** on Personnel Policy
  2010 - 2016
- **Head of Departmen** Innovation Organizational Innovation Faculty of Management, University of Warsaw

Selected functions outside the university and expert teams:

From 2024
Ministry of Science and Higher Education - **Member of the** Advisory Board for the evaluation of applications for scholarships of the Minister in charge of higher education and science for students and outstanding young scientists

as of 2021
Member of the Mazovian Innovation Council of the Marshal of the Mazovian Voivodeship.
2021 - 2023
Ministry of Education and Science - **Member of** the Advisory Board for the evaluation of applications for scholarships of the Minister in charge of higher education and science for students and outstanding young scientists
as of 2019
Member of the Chapters of the competitions: Polish Product of the Future, PARP (2021, 2022, 2023), Innovator of Mazowsze (2019, 2020, 2021, 2022, 2023, 2024), Start from Mazowsze (2019, 2021
as of 2019
Member of the NAWA (National Agency for Academic Exchange) **Evaluation Team** for the Programme.
2017 - 2020
Member of the Central Commission for Degrees and Titles, Section I
2016 - 2023
Member of the Interdisciplinary Advisory Board on the financing of international cooperation Scientific Cooperation, of Science and Higher Education
as of 2015
Member of the Committee on Organisation and Management Sciences of the Polish Academy of **Sciences**
as of 2013
Member of the Committee on Culture and Media Management of the Polish Academy of Arts and Sciences

Selected publications:

The following list includes **selected publications** (excluding published reviews of monographs, popularisation publications and pre-doctoral publications) and is divided into two sections:

A) The first contains peer-reviewed scientific publications (monographs, journal articles, chapters in monographs),
B) in the second is the editing of the monograph.

The list does not show publications accepted or submitted for publication.

A. Scientific publications

2025	Glińska - Neweś, A., & Glinka, B. Corporate entrepreneurship and employee green behaviour, in: Sudolska, A. & Zawadzki, K. (eds.) *Human Capital Management in the Contemporary Workplace. Enhancing Organisation Sustainability*. Routledge.

2024	Glinka, B., Dubel, P. & Batko R., *Value creation processes in digital entrepreneurship for medical innovations and healthcare transformation*. in: Dabić,M., Švarc, J. & Daim, T.U. (eds.) *Digital Entrepreneurship in Science, Technology and Innovation*. Edward Elgar.
2024	Glinka, B. Corporate entrepreneurship for circular economy, in Glińska-Neweś, A. & Ulkuniemi, P. (eds.) *The Human Dimension of the Circular Economy*. Edward Elgar.
2024	Glinka, B. & Freiling, J. (eds). DeGruyter Handbook on Migrant Entrepreneyrship. DeGruyter.
2024	Freiling, J. & Glinka, B. Anatomy, Issues, and Trends in Migrant Entrepreneurship: An Editorial Overview, in Glinka, B. & Freiling, J. (eds). *DeGruyter Handbook on Migrant Entrepreneyrship*. pp. 3 - 22. DeGruyter.
2024	Glinka, B. Migrant Entrepreneurs: Between Imitation and Innovation, in Glinka, B. & Freiling, J. (eds). *DeGruyter Handbook on Migrant Entrepreneurship*. pp. 97 - 115. DeGruyter.
2024	Glinka, B., Klimas, P., & Glińska-Neweś, A. Resources of Migrant Entrepreneurs: Sources and Development, in Glinka, B. & Freiling, J. (eds). *DeGruyter Handbook on Migrant Entrepreneyrship*. pp. 319 - 338. DeGruyter.
2024	Radomska, J., Hajdas, M., Wolczek, P., & Glinka, B. Open climate in organizations - insights from a pilot study. *International Journal of Contemporary Management*, 60(1), 92-108
2023	Glinka, B., Megyeri, E., & Tabajdi, G. Perception of entrepreneurship and entrepreneurs. Institutional celebration or stigmatisation? *International Journal of Entrepreneurship and Small Business,* 49 (1), 123-149.
2023	Glinka, B., Glińska-Neweś, A., & Zakrzewska-Bielawska, A. A resource interaction perspective on resource use and development in migrant entrepreneur networks. *Journal of Business Research*, 159, 113740
2023	Radomska, J., Hajdas, M., Wolczek, P. & Glinka, B. Wide open? Creative industries and open strategizing challenges. *International Journal of Management and Economics*, 59 (2), 117 - 136
2022	Kłobukowski, P., & Glinka, B. Badanie przedsiębiorczości – metody, pomiar, podejścia badawcze, in: Pasierbek, W., & Wach, K. (ed.) *Przedsiębiorczość*. Kraków (free access)
2022	Kusa, R., Suder, M., Barbosa, B., Glinka, B., & Duda, J. Entrepreneurial behaviors that shape performance in small family and non-family hotels during times of crisis. *International Entrepreneurship and Management Journal*,18, 1545-1575.
2021	Glińska-Neweś, A., & Glinka, B. *Corporate Volunteering, Responsibility and Employee Entrepreneurship*. Routledge.
2021	Glinka, B., B Czakon, W. *Podstawy Badań Jakościowych*. PWE.

2021	Grębosz-Krawczyk, M., Zakrzewska-Bielawska, A., Glinka, B., & Glińska-Neweś, A. Why do consumers choose photovoltaic panels? Identification of the factors influencing consumers' choice behaviour regarding photovoltaic panel installations. *Energies* 14 (9), 2674.
2021	Glinka, B., & Hensel, P.G. Imitation in immigrant entrepreneurship: an analytical framework. *Management Decision,* 59 (5), 1043-1068..
2020	Lazarczyk-Bilal, N., & Glinka, B. What determines the entrepreneurial intentions of highly-skilled women with refugee experience? An empirical analysis in the context of Sweden. *Administrative Sciences*, 11 (1), 2.
2020	Glinka, B. Perceptions of the Context of Entrepreneurship in Poland, in: Pellegrini, M., Gnan, L., Lundberg, H., Raith, M., Songini, L., Starnawska, M. (eds.) *European Entrepreneurship Research and Practice. A Multifaceted Effort Towards Integration of Different Perspectives*. Information Age Publishing.
2020	Dabić, M., Vlačić, B., Paul, J., Dana, L.-P., Sahasranamam, S., & Glinka, B. Immigrant entrepreneurship: a review and research agenda. *Journal of Business Research*, 113, 25-38..
2020	Glinka, B. Research on immigrant entrepreneurship. in: Glinka, B. & Jelonek, A.W. (eds.), *Immigrant Entrepreneurship: Cases from Contemporary Poland*. Routledge.
2020	Brzozowska, A., Glinka, B. & Jelonek, A.W. Immigrants from the Far East in Poland, in Glinka, B. & Jelonek, A.W. (eds.), *Immigrant Entrepreneurship: Cases from Contemporary Poland*. New York: Routledge.
2020	Glinka, B., Wardęga, J. & Jelonek, A.W. Different facets of immigrant entrepreneurship. In Glinka, B. & Jelonek, A.W. (eds.), *Immigrant Entrepreneurship: Cases from Contemporary Poland*. Routledge.
2019	Glinka, B. & Jelonek, A. Różne oblicza migracji, in: Przedsiębiorczość imigrantów z Dalekiego Wschodu w Polsce. Jelonek, A. & Glinka, B. (ed.) *Przedsiębiorczość imigrantów z Dalekiego Wschodu w Polsce*. PWE
2019	Glińska - Neweś, A., & Glinka, B. Does Negativity Counterpoint Positivity, or the Other Way Round? On Positive Organizational Scholarship. *Management Issues*, 17(4(84)), 24 - 38
2019	Hensel, P., & Glinka, B. A legitimáció nyomában. *Apertúra,* 3 Tavasz.
2019	Brzozowska, A., & Glinka, B. Why do they start? Motives driving Vietnamese immigrant entrepreneurs in Poland. in: Siuda-Ambroziak, R. & Sarmiento, E. (eds.) *Brazil-Poland. Focus on Migration*. University of Warsaw-ASC, ASOEC-Universo.
2018	Glinka, B. Znaczenie badan przedsiębiorczości imigrantów dla nauk o zarządzaniu, *Studia i prace Kolegium Zarządzania i Finansów* SGH, 161, pp. 163 – 174.

2018	Glinka, B. Immigrant Entrepreneurship as a field of research, *Management Issues,* 16(1) part 1., pp. 25 - 39. .
2018	Hensel, P., & Glinka, B. Grounded Theory, in Ciesielska, M., & Jemielniak, D. (eds.) *Qualitative Methodologies in Organization Studies*, pp. 27 - 47, Palgrave Macmillan.
2018	Glinka, B., & Hensel ,P. What Should Be Avoided During Qualitative Research? in Ciesielska, M., & Jemielniak, D. (eds.) *Qualitative Methodologies in Organization Studies*, pp. 245 - 257. Palgrave Macmillan.
2017	Glinka, B. Przedsiębiorcze społeczeństwo. *Przedsiębiorczość i Zarządzanie*, XVIII (12), vol. 2, pp. 9-24.
2017	Glinka, B., & Brzozowska, A. Przedsiębiorczość imigrantów, in: Przytuła, S. (ed.), *Migracje międzynarodowe i ekspatriacja: perspektywa indywidualna, organizacyjna, społeczno-kulturowa*, pp. 88 – 10. Difin.
2017	Glinka, B., & Hensel, P. Reforms and identities: how relentless pursuit of improvements produces a sense of helplessness among bureaucrats. *Journal of Organizational Change Management* 30(2):142-160..
2016	Pasieczny, J., & Glinka, B. Obszary dysfunkcji organizacyjnych. *Zeszyty Naukowe. Organizacja i Zarządzanie/Politechnika Śląska*, 405—414.
2016	Pasieczny, J., & Glinka, B. Organizational Dysfunctions: sources and Areas, *EBER*, 4 (4), 213-223.
2016	Glinka, B. Mikro- i małe przedsiębiorstwa - tworzenie, zarządzanie, rozwój, in: Glinka, B. & Kostera, M. (ed.) *Nowe kierunki w organizacji i zarządzaniu.* Wolters Kluwer, wyd. II rozszerzone i zaktualizowane, pp. 256 – 276.
2015	Glinka, B., & Pasieczny, J. *Tworzenie przedsiębiorstwa. Szanse, realizacja, rozwój*., Warsaw.
2015	Glinka, B.. Paweł Falicki - trzy dekady przedsiębiorczości: determinanty rozwoju przedsiębiorstw, in: Brzozowska, A., Postuła, I. & Kłobokowski, P. (ed.) *Przedsiębiorczość: studia przypadków*. pp. 11 – 22.
2015	Glinka, B., & Brzozowska, A. Immigrant Entrepreneurs: in Search of Identity. EBER, 3(3), 51-76
2015	Glinka, B. Przedsięiorczość Humanistyczna, in: Nierenberg, B., Batko, R. & Sułkowski, Ł. (ed.) *Zarządzanie humanistyczne*, Kraków.
2015	Glinka, B. Przedsiębiorczość i kultura. *Zarządzanie w kulturze*, 16 (1), pp. 1- 13.
2014	Brzozowska, A., Glinka, B., & Postuła, A. Role of University in Creating Entrepreneurial Attitudes. *Horyzonty Wychowania/Horizons of education*, 13(26), pp. 51-71.
2014	Glinka, B., & Gudkova, S. Pech czy szczęście? Rola momentów krytycznych w procesach przedsiębiorczych, in: Kostera, M. (ed.), *O przedsiębiorczości historie*

	niezwykłe. Studia przypadków z przedsiębiorczości humanistycznej, pp. 45-56. Difin.
2014	Glinka, B. Strategie, struktury i projekty. in: *Zarządzanie w podmiotach leczniczych w dobie przekształceń własnościowych*. pp. 93-105. Warsaw.
2014	Hensel, P., & Glinka, B. Competing Logics and Semi-professionals in Polish Public Administration, in Jemielniak, D. (ed.). *Legal Professions at the Crossroads*, pp. 69-86. Peter Lang.
2014	Hensel, P., & Glinka, B. Współpraca partnerów publicznych i prywatnych, in: Koźmiński, A.K., & Latusek-Jurczak, D. (ed.) *Relacje międzyorganizacyjne w naukach o zarządzaniu*, pp. 407-437. Wolters Kluwer Polska.
2014	Glinka, B. Strategies of Development of Polish Immigrant Entrepreneurs in the USA, in Knežević, B., & Wach, K. (eds.), *International Business from the Central European Perspective*. Sveučilišna tiskara d.o.o./University of Zagreb Publishing House.
2013	Glinka, B., Gudkova, S., & Brzozowska, A. Cultural context of entrepreneurship. The case of immigrant entrepreneurs, in: Adamczyk, A. & Dubel, P.(eds) *Poland and Turkey in Europe - Social, Economic and Political experiences and challenges*. Centre for Europe, University of Warsaw.
2013	Glinka, B. Oswajanie przyszłości, in: Kostera, M. (ed.) *Organizować z polotem*: *Wyobraźnia organizacyjna w praktyce,* pp. 227-240, Academic Publishing House Sedno.
2013	Glinka, B, *Przedsiębiorczość polskich imigrantów w USA. Etnicznie, lokalnie, globalnie?* Poltext.
2013	Glinka, B., & Thatchenkery, T. A comparative study of perceptions towards entrepreneurship in India, Poland, and the USA, *International Journal of Human Resources Development and Management*, 13 (2/3), pp.119-135. .
2013	Glinka, B. Przedsiębiorczość, in: Bogdanienko, J. & Piotrowski, W. (ed.) *Zarządzanie. Tradycja i nowoczesność,* pp. 59-75. PWE.
2012	Hensel, P. & Glinka, B. Relacje urzędnik – przedsiębiorca, in: Wiatrak, A. (ed.), *Aktualne problemy zarządzania - teoria i praktyka*, pp. 87-97.
2012	Hensel, P., & Glinka, B. *Urzędnicy i przedsiębiorcy. Kulturowe bariery współpracy*. Poltext.
2012	Thatchenkery, T., & Glinka, B. The Social Construction of Entrepreneurs, Success, and Wealth: A Case Study of Management Students' Perceptions from Three Different Cultural Contexts, in Sardana, GD & Thatchenkery, T. (eds.) *Reframing human capital for organizational excellence,* pp. 379-396. Bloomsbury.
2012	Glinka, B., & Hensel, P. Pułapki i dylematy w badaniach jakościowych, in: Jemielniak, D. (ed.) *Badania jakościowe. Podejścia i teorie.* T.1, pp. 41 – 55, PWN.

2012	Hensel, P. & Glinka, B. Teoria ugruntowana, in: Jemielniak, D. (ed.) *Badania jakościowe. Podejścia i teorie.* T.1, pp. 89 – 113, PWN.
2012	Hensel, P. & Glinka, B. Size Matters - at least when dealing with public officials. Internationalization and Public Administration, in Rammal, H. (ed.) *Fusion or Fracturing? Implications for International Business* (monograph published electronically - ISBN: 978-0-9807899-2-8)
2012	Glinka, B. & Gulan, U. Małe przedsiębiorstwa – specyfika i problemy zarządzania, in: Glinka, B., & Kostera, M. (ed.) *Nowe kierunki w organizacji i zarządzaniu.*, pp. 221 – 237. Wolters Kluwer.
2012	Glinka, B., & Gudkova, S. Wykorzystanie teorii ugruntowanej do badan przedsiębiorczości, in: Glinka, B., & Kostera, M. (ed.) *Nowe kierunki w organizacji i zarządzaniu,* pp. 556 – 575. Wolters Kluwer.
2012	Glinka, B., Kostera, M., & Brzozowska, A. Różnorodność kulturowa współczesnych organizacji, in: Glinka, B., & Kostera, M. (ed.) *Nowe kierunki w organizacji i zarządzaniu,* pp. 285 – 304. Wolters Kluwer.
2012	Glinka, B., & Hensel, P. Struktury i projektowanie organizacji, in: Glinka, B., & Kostera, M. (ed.) *Nowe kierunki w organizacji i zarządzaniu,* pp. 267 – 284. Wolters Kluwer.
2011	Glinka, B., & Gudkova, S. Family business development process: the role of internal and external factors, in Nowak, A.Z., Glinka, B. & Hensel, P. (eds.) *Economy and Society.* Warsaw.
2011	Glinka, B. & Gudkova, S. *Przedsiębiorczość*. Wolters Kluwer.
2011	Glinka, B. Zmiana i rozwój organizacji, czyli w co grają ludzie?" in: Kostera, M. (ed.) *Etnografia organizacji. Badania polskich firm i instytucji.* pp. 241 – 262. GWP.
2011	Glinka, G., & Gudkova, S. The Use of the Grounded Theory in Entrepreneurship Research in: Nowak, A.Z., Glinka, B. & Hensel, P. (eds.) *Economy, Society and Managing*. Scientific Publishing House of the Faculty of Management, UW.
2010	Glinka, B. Wielokulturowość w organizacji: Źródła, przejawy, wpływ na zarządzanie, in: Glinka, B, & Jelonek, A. *Zarządzania Międzykulturowe*. Kraków.
2010	Glinka, B. Projektowanie organizacji i jej struktura, in: Bogdanienko, J. (ed.) *Organizacja i zarządzanie w zarysie*, pp. 42 – 55. Warsaw.
2010	Glinka, B. Ewolucja podejścia do zarządzania organizacjami, in: Bogdanienko, J. (ed.) *Organizacja i zarządzanie w zarysie*, pp. 100 – 111. Warsaw.
2010	Glinka, B. & Gudkova, S. Wybrane uwarunkowania rozwoju przedsiębiorczości rodzinnej w Polsce. *Problemy Zarządzania*, 8 (4 (30)), 42 – 55.
2009	Glinka, B., & Gudkova, S. Understanding of success as a factor affecting growth potential of small enterprises, in Glinka, B. Hensel, P &.Nowak, A.Z.(ed.) *Entrepreneurs and managers. Improving practice, developing theory*. Scientific

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2008	Glinka, B. *Kulturowe uwarunkowania przedsiębiorczości w Polsce*. Polskie Wydawnictwo Ekonomiczne.
2008	Glinka, B. Delegowanie uprawnień jako czynnik rozwoju małych przedsiębiorstw. *MBA 5*, pp. 102 - 108.
2008	Glinka, B., & Gudkova, S. Wyłanianie się struktur w małych przedsiębiorstwach, in: Stabryła A. (ed.), *Zarządzanie rozwojem organizacji w społeczeństwie informacyjnym*, pp. 335-342. Studia i prace Uniwersytetu Ekonomicznego w Krakowie.
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2008	Glinka, B., & Pasieczny, J. The TV world of economy. in: Nowak, A.Z. & Glinka B. (eds) *Management: qualitative and quantitative research*, pp. 52-66. Scientific Publishing House of the Faculty of Management, UW. [*Translation of text published in Problems of Management in 2006*].

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2007	Glinka, B. Rozwój nowoczesnej przedsiębiorczości w Polsce – wybrane społeczne uwarunkowania, in: Pyka J. (ed) *Przedsiębiorczość i innowacje. Uwarunkowania i czynniki rozwoju.* Series: Nowoczesność przemysłu i usług, pp. 89-99. TNOiK,.
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2006	Glinka, B. & Hensel, P. *Organization design.* Scientific Publishing House of the Faculty of Management, UW.
2006	Pasieczny, J., & Glinka, B. Innowacyjność a rozwój gospodarczy - niejednoznaczne zależności, in Pyka J. (ed.) *Nowe wyzwania i uwarunkowania rozwoju przemysłu i usług*, p. 337 - 344. TNOiK, AE im. K. Adamiecki, Politechnika Śląska Katowice.
2006	Glinka, B. & Hensel, P. *Projektowanie organizacji.* Warsaw.
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2006	Gudkova, S., & Glinka, B. Zachowania przedsiębiorców w momentach krytycznych jako czynnik wpływający na rozwój. *Prace Naukowe Akademii Ekonomicznej im. O. Langego we Wrocławiu* nr 1116 pp. 267 – 273.
2006	Glinka, B., & Hensel, P. Rola mediów w kształtowaniu wyobraźni ekonomicznej Polaków, in: Dobrzyński, M. & Grzywacz, W. (ed.) *R-ewolucja zarządzania i co z niej wynika*, pp. 53-63. Warsaw

2005	Glinka, B., & Pasieczny, J. Cultural determinants of entrepreneurship and innovation - a regional approach, in Wilmańska-Sosnowska S. (ed.) *Rola nauk o zarządzania w kreowaniu społeczeństwa opartego na wiedzy,* pp. 219 - 231. Łódź.
2005	Glinka, B., & Pasieczny, J. The influence of media on the emergence of transaction costs. *Organization Review*, 2, pp.24-28.
2005	Glinka, B., & Gudkova, S. Possibilities of using qualitative methods to study organizational change and development. in: Leoński J. & Kolodziej - Durnaś, A. (eds.) *In the circle of interpretative sociology - the application of qualitative methods.* pp. 192 - 201. Economicus.
2005	Pasieczny, J., & Glinka, B. NPR a rozwój regionalny: wyrównywanie czy utrwalanie różnic?, in Pyka, J. (ed.) *Unownowniznianie przemysłu i usług - organizacja i finansowanie.* p. 58 - 67. TNOiK, K. Adamiecki AE, Politechnika Śląska Katowice.
2005	Pasieczny, J., & Glinka, B. Knowledge and absorptive capacity as a factor in regional development, in: Godziszewski, B., Haffer M. & Stankiewicz, M.J. (eds.) *Knowledge as a factor international competitiveness in the economy,* p.103 - 112. Dom Organizatora Publishing House.
2004	Pasieczny, J., & Glinka, B. Uwarunkowania polaryzacji regionów w Polsce, in: Pyka, J. (ed.) *Nowoczesność przemysłu i usług. Nowe wyzwania.* T. II, pp. 205 – 2014. TNOiK.
2003	Glinka, B., & Gudkova, S. Małe przedsiębiorstwa w sytuacjach kryzysowych. *Problemy Zarządzania*, 1(2) pp.110 – 124.
2003	Glinka, B., & Gudkova, S. Wielka mała firma. *MBA*, 3, pp.31 – 37
2002	Glinka, B. Zmiana organizacyjna jako zjawisko zdeterminowane kulturowo. *Przegląd Socjologiczny*, 51 (2), pp. 103 – 122.
2001	Kostera, M., & Glinka, B. Budget as logos: the rhetorics of the Polish press. *Organization,* 8(4), pp. 647-682
2000	Kostera, M., & Glinka, B. Against medium: Economic education as medium for framing imagination, in Laske, Habersam, Kappler (eds.) *Qualitatsentwicklung in Universitaten. Konzepte, Prozesse, Wirkungen.* pp. 203 - 221. Munchen, Mering: Rainer Hampp Verlag.
2000	Glinka, B., & Hensel, P. Wykorzystanie Internetu przez polskie media. *Master of Business Administration,* 6, pp. 34 – 35 i 39

B. Editors of the Monograph

2024	Glinka, B. & Freiling, J. (eds). *DeGruyter Handbook on Migrant Entrepreneyrship*. DeGruyter.
2020	Glinka, B., & Jelonek, A. (eds). Immigrant Entrepreneurship: Cases from Contemporary Poland. Routledge.
2019	Jelonek, A. & Glinka, B. (ed.) *Przedsiębiorczość imigrantów z Dalekiego Wschodu w Polsce*. PWE
2016	Glinka, B., & Kostera, M. (ed.) *Nowe kierunki w organizacji i zarządzaniu.* Wolters Kluwer, wyd. II rozszerzone i zaktualizowane
2012	Glinka, B., & Kostera, M. (ed.) *Nowe kierunki w organizacji i zarządzaniu.* Wolters Kluwer.
2012	Pasieczny, J., Glinka, B., & Brzozowska, A. (ed.) *Młodzi przedsiębiorcy - inspiracje, koncepcje i uwarunkowania.* Warsaw.
2011	Nowak, A.Z., Glinka, B. & Hensel, P. (eds.) *Competition. Ethics. Management.* Scientific Publishing House of the Faculty of Management UW.
2011	Nowak, A.Z., Glinka, B. & Hensel, P. (eds.) *Economy, Society and Managing.* Scientific Publishing House of the Faculty of Management of the University of Warsaw.
2010	Glinka, B, & Jelonek, A. (ed.) *Zarządzania Międzykulturowe*. Cracow.
2010	Glinka, B., Hensel. P. & Nowak, A.Z. (ed.), Economy and Society. WN WZUW.
2009	Nowak, A.Z., Glinka, B. & Hensel, P. (eds.) *Entrepreneurs and Managers. Improving Practice, developing theory.* Scientific Publishing House of the Faculty of Management UW.
2008	Nowak, A.Z., Glinka, B. & Hensel, P. (eds.) *Business Environment in Poland.* Warsaw.
2008	Nowak, A.Z. & Glinka, B. (eds.) *Management: Qualitative and Quantitative Research*. Scientific Publishing House of the Faculty of Management, UW.
2007	Nowak, A.Z., Glinka, B. & Hensel, P. (eds.). *Management in Poland after accession to the EU. Selected aspects.* Warsaw.
2006	Nowak, A.Z., Glinka, B. & Hensel, P. (eds.). *Business Administration in Central Europe: Challenges, Problems and Opportunities.* Scientific Publishing House of the Faculty of Management UW.
2006	Konecki, K., & Glinka, B. *Współczesne problemy socjologii organizacji i zarządzania*, Łódź.

Conference activity:

1. ***Keynote speech*** delivery: **RENT 2023** (conference organised by EIASM), **ENTRE 2022** (conference organised by the Department of Entrepreneurship and Innovation of the

Cracow University of Economics - Jubilee edition related to the anniversary of the Department's establishment), VIII International Scientific Conference **Prospects for the Development of Entrepreneurship** from a Global Perspective (University of Lodz, **2024**), **XVIII All-Poland Sociological Congress of the** PTS (2022) - speech in semi-plenary session *Migrations, diversity, multiculturalism*: *Poland and Europe*

2. **Conference organisation**: **seven editions of the** international conference **Entrepreneurship for the XXI Century (**from 2014 to 2023), UW; international conference **SCOS 2013**; 2018 - **EIASM 1st Workshop** on Entrepreneurship Culture and Institutions; series of seminars **Counterpoints** organised jointly by UW and UJ (2017 - 2020), 3rd National **Meeting of Chairs of Entrepreneurship** and Innovation (2018).
3. **Participation in the Scientific Boards and Programme Boards** of numerous Polish and international conferences (e.g. Management Summer School, ENTIME - Gdańsk University of Technology, Management of Organisation Development - Łódź University of Technology, Conferences of the SGH Institute of Management, Contemporary Concepts of Public Management - EU in Kraków, Conventions of the Faculties of Entrepreneurship and Innovation, etc.).
4. **Participation in scientific conferences** in Poland (national and international) and abroad (e.g. RENT, SCOS, EURAM, Academy of Management) - in total more than 100 papers delivered, participation in panel discussions, etc.

Editing of scientific journals, participation in Editorial Boards

From 2024
Editorial Board of the journal International Journal of Complexity in Leadership and Management (Inderscience)
From 2023
Associate Editor at the Journal of Enterprising Communities: People and Places (Emerald, latest IF=2.4; CiteScore=6.3)

Since 2012
Editorial Board of journal Journal of Organizational ~~Change~~ Management (Emerald, latest IF=2.7, CiteScore=5.8, ABS2), since 2016 - **Associate Editor**, since 2023 - **Managing**
2011 - 2022
Editorial Board of European Management magazine

2004 - 2021
Co-founder and **Editor-in-Chief** of the journal Studies and Materials (Faculty of Management UW

Since 2002
Co-founder and **Editor-in-Chief** of the journal Management Issues (first issue: 2003); in 2023 the journal changed its name to **European Management Studies** (WoS, MNiSW List)
1997 - 2005
Member of the editorial board and then (since 2001) of the editorial board of the bimonthly journal Master of Business Administration (now: Central European Management Journal).

Reciew activity:

1. Opinions in proceedings for **the conferment of the title of professor** (11), as well as opinions prepared for the CK/RDN in connection with appeals and/or reconsideration of cases
2. Opinions in proceedings for **the award of doctoral degrees** (18), as well as opinions prepared for the CK/RDN related to appeals and/or reconsideration of cases
3. **Review of the Honorary Doctorate of** Prof. Barbara Czarniawska; proceedings at the Jagiellonian University (2024, not completed due to the departure of the Doctoral Student)
4. **Review of the Honorary Doctorate** of Prof. Ewa StańczykHugiet in the proceedings at the WSB Academy (2023)
5. **Reviews of doctoral theses** in Poland (33 since 2011) as well as in foreign universities (Alpen-Adria-Universität Klagenfurt, Austria; University of Pretoria, South Africa; Erasmus University Rotterdam; University of Oulu, Finland)
6. **Participation in the** mid-term **evaluation of** doctoral students of Doctoral Schools (University of Szczecin, Technical University of Lodz), as well as in the evaluation of the Doctoral Colloquium - University of Pisa.
7. **Reviewed articles** for international journals such as Management Decision, European Management Review, Cogent Business&Management, Entrepreneurial Business and Economics Review, International Small Business Journal: Researching Entrepreneurship, Journal of Organisational Change Management, International Migration, British Journal of Management Journal of Small Business Management, Journal of Business & Industrial Marketing, Museum Management and Curatorship,
8. Enterprise Journal, Scandinavian Journal of Management
9. **Manuscript reviews** for publishing houses such as: Routledge, Palgrave, PWE, UMCS Publishing House, IFiS PAN Publishing House, Cracow University of Economics Publishing House, UMK Publishing House, PWN Scientific Publishing House, Oficyna Wydawnicza SGH Publishing House of Politechnika Opolska, Difin, Academic Sedno Publishing House, Poltext.
10. For my reviewing activities, I received **the Best Reviewer Award** in the ONE (Organisations and Natural Environment) division of the Academy of Management (AOM) in 2023.

Selected trips, internships and lectures:

2022
Study Visit - State University of Rio de Janeiro,

2018
Study visit and lectures - University of Florianapolis, Brazil

2016
Visiting Researcher - Columbia University, New York (USA)

as of 2012
Collaboration with **the University of Segedin (Hungary)**, STA Erasmus+ stays (2012, 2014, 2015, 2016, 2017, 2018, 2019, 2021, 2022, 2023, 2024) and stay as **Visiting Professor** (**2018**
2011 - 2012
Visiting Researcher (and Fulbright Scholar) - **George Mason University**, USA
since 2007
Erasmus/Erasmus+ mobility (e.g. University of Oulu, Finland; University of Vigo, Spain; Polytechnic University of Bragança, Portugal; University of La Coruna, Spain; Lusafona University of Lisbon, Portugal; Pablo Olavide University of Seville, Spain).
2001
Research internship - University of Gothenburg, Sweden

Research, selected projects:

Professor Beata Glinka's research interests revolve around organisation theory and entrepreneurship. In particular, she has researched and is researching issues such as: entrepreneurship, new venture creation, immigrant entrepreneurship, organisational design, the cultural context of entrepreneurship and organising, corporate entrepreneurship (including its relationship to green behaviour and responsible management practices). Qualitative research plays a special role in her research inquiries, to which she also devotes publications (including textbook publications).

2021 - 2025
Green employee behaviour: essence, determinants and chain changes (NCN OPUS, 2020/37/B/HS4/00988, supervisor Prof. Aldona Glinska - Neweś, UMK) - contractor, coordinator of the qualitative part of the
2019 - 2022
Increasing the competitiveness of Polish plant commodities on international markets by improving their quality and phytosanitary safety **FITOEXPORT - GOSPOSTRATEG** (NCBiR) **-** contractor and member of the consortium steering committee

2017 - 2020
Entrepreneurship of immigrants from the Far East in Poland
(NCN OPUS, 2016/21/B/HS4/00767) - Manager
2017 - 2019
Innovative system of support for entrepreneurship development. Improving the effectiveness of cooperation between science and the economy (MNiSW,
Dialogue 0132/2016) - project manager
2011 - 2012

Culture of administration and obstacles to entrepreneurship development in Poland (NCN, 4120/B/H03/2011/40) -
2011 - 2012
The Role of Culture in Opportunity Seeking and Appreciative Intelligence of Entrepreneurs (Council for International Exchange of Scholars, Washington D.C., U.S./Fulbright Foundation) - manager and principal

In addition to externally funded competitive projects, Professor Beata Glinka has (as a manager) carried out **more than a dozen projects funded through internal competitions** awarded at faculty or university level (BST, IDUB, subsidy).
She has also participated in competition-funded projects that **were not of a research nature** (e.g. in 2005 - 2006, she directed ESF-funded postgraduate studies, participated in training courses and taught in EU-funded studies through various programmes).
She has also participated in training and consultancy projects for companies and public administration units (since 2002).

Prizes and awards (national and international):

Prizes and scholarships

2024

- **Award of the Committee on Organization and Management Sciences of the Polish Academy of Sciences** for **the best publication** 2021-2022 in the category Textbooks for: "Fundamentals of Qualitative Research" (Glinka, B. & Czakon, W., 2021, PWE).

2019

- University of Warsaw Rector's Award for **Organisational Activity**

2018

- University of Warsaw Rector's Award for **Teaching Excellence**

2011 - 2012

- **Fulbright Foundation** Senior Researcher Award

2008

- **Team Teaching Award from the Rector of the Medical University of Warsaw** for the design and conduct of classes for students of the Faculty of Pharmacy, within the block "Management and Economics of Pharmacy"

2003

- **Foundation for Polish Science (FNP) award** for young

since 2002

- **Individual awards of the Dean of the Faculty of Management of the University of Warsaw** for scientific activities (2002, 2003, 2008)

Since 2001

- **Individual awards** (2001, 2005, 2007, 2010, 2013, 2015, 2016, 2017, 2020, 2021, 2022, 2023) and **scholarships** (2001 - 2008, annually) of **the Rector of the University of Warsaw** for scientific activity

Teaching and promotion activities:

2023 - 2024
She supervised 3 research internships at the Faculty of Management at the University of Warsaw: Dr Monika Jakubiak (UMCS), Dr Rafał Kusa (AGH), Dr Marcin Suder (AGH)
2012 - 2024
She has promoted eight doctoral theses (all: University of Warsaw)
since 2001
She has promoted around 300 master's and bachelor's theses and dozens of postgraduate theses.

since 1996
He has been teaching since 1996, in **Polish and English**, at first and second degree programmes as well as at doctoral and postgraduate schools.
There were and are classes at various units of **the University of Warsaw** (Faculty of Management, Faculty of Geology, Faculty of Mathematics Informatics and Mechanics, Centre for New Technologies, Institute of Ethnology and Cultural Anthropology, Institute of Social Policy, Faculty of Law and Administration) as well as **outside** (including: Leon Koźmiński Academy, Faculty of Pharmacy of the Warsaw Medical University, Medical Centre for Postgraduate Education, Jagiellonian University, University of Economics in Wrocław).
He gives **lectures and guest seminars** at **Polish universities** (Wrocław University of Economics, Jagiellonian University, Nicolaus Copernicus University, University of Szczecin, AGH University of Science and Technology in Kraków, Cracow University of Economics), as well as at **foreign universities** (lecture as part of the Erasmus+ programme and also at the invitation of the university).
Currently and in the past, she has taught subjects related to my research interests, such as:

- entrepreneurship/entrepreneurship,
- organisation theory,
- entrepreneurial culture,
- qualitative/qualitative research on organisations (doctoral school),
- grounded theory in organisation studies (doctoral school),
- design of organisational structures/organisational design,
- culture and intercultural management,
- basics of management/management,
- contemporary management concepts,
- organisational ethnography, - modern management.

Number of PhD students promoted:

8

Prof. Dr. hab.

Krzysztof Jajuga

Wrocław University of Economics and Business

- Field of economic sciences/economics, 1982
- Doctor habilitatus of Economics, 1987
- Title of professor of economic sciences, 1992

Prof. Dr. Krzysztof Jajuga is a professor of economic sciences. He is employed at the Wrocław University of Economics and Business, Faculty of Economics and Finance, where he holds the position of Head of the Department of Financial Investments and Risk Management.
Krzysztof Jajuga graduated with honours from the Wrocław University of Economics (now Wrocław University of Economics and Business) in 1979, majoring in economic cybernetics and computer science, with a professional degree in economics. After completing his studies, he began working as a research and teaching staff member at his alma mater. He obtained further academic degrees in rapid succession. In 1982, he obtained a doctorate in economics (title of the thesis: "Methods of multivariate analysis in quantitative spatial research"), while in 1987 he was awarded the degree of Doctor of Economic Sciences (title of habilitation thesis: "Statistics of economic complex phenomena - detection and analysis of heterogeneous multivariate distributions").
In 1992, Krzysztof Jajuga as a 36-year-old academic (one of the youngest in the history of economic sciences) received the title of professor of economic sciences, awarded by the President of the Republic of Poland. Since 1995, he has been employed as a professor at the Wrocław University of Economics
Krzysztof Jajuga served as Vice-Chancellor for University Development and International Cooperation from 1993 to 1999. In 1990-1996 he was Head of the Department of Econometrics (formerly Department of Econometrics). In 1996, he initiated the establishment of the Chair of Financial Investments and Insurance (now the Chair of Financial Investments and Risk Management). He still holds the position of head of this department. In 1999, in turn, he initiated the establishment of the Institute of Financial Management, bringing together all the chairs in the Faculty dealing with finance. He served as director of this institute. He was also the driving force behind the change of the faculty's name from the Faculty of Management and Information Technology to the Faculty of Management, Information Technology and Finance - now the Faculty of Economics and Finance, a name that precisely defines the nature of the faculty.

Professor Krzysztof Jajuga has held, and continues to hold, many functions that are a tribute to his scientific authority. The scientific community has democratically elected him to many functions of a scientific nature. As the only Polish economist, he was for several terms a member of as many as three scientific committees of the Polish Academy of Sciences, being at the same time: Chairman of the Committee on Statistics and Econometrics, Deputy Chairman of the Committee on Economic Sciences and member of the Presidium of the Committee on Financial Sciences. He is currently Chairman of the Committee on Financial Sciences and a member of the Committee on Statistics and Econometrics.
From 2000 to 2020, he was a member of the Central Commission for Degrees and Titles (six terms), being elected Chairman of the Economic Sciences Section and a member of the Presidium from 2007 to 2012.
In 2019, in the first election to the Council for Scientific Excellence, he was elected as a member of the Council, then as chair of the Social Sciences Team and member of the Bureau. A similar situation occurred in the second election to the Council for Scientific Excellence - for the term 2024-2027.

Since 2000, Krzysztof Jajuga has held positions in bodies whose competences include decision-making in the field of research funding. First, it was the Scientific Research Committee and then the Council of Science, in which Krzysztof Jajuga was a member of the Scientific and Scientific-Technical Policy Committee and the Commission for the Development of Science. After 2011, he was a member of reviewer panels of the National Science Centre several times.
Krzysztof Jajuga also holds positions in international bodies. Since 1994, he has been a member of the Scientific Council of an international scientific society, the International Federation of Classification Societies, which brings together more than a dozen national societies dealing with classification and data analysis (Data Science). He was elected president of this global society for 2025-2026. He also currently serves as a member of the Council of the Classification and Data Analysis Section of the Polish Statistical Association and as a member of the Methodological Commission of the Central Statistical Office.

It can be said without hesitation that Professor Krzysztof Jajuga is creating a Wrocław-based scientific school in the area of application of advanced mathematical methods, especially methods of risk analysis, to financial issues, especially in financial markets.
Krzysztof Jajuga has a very strong teaching record. He is the creator of two degree programmes in English: Bachelor in Finance (undergraduate level) and Master in Finance (graduate level). These programmes are unique not only on a national scale, as they allowed the Wrocław University of Economics to become in 2009 - as the first university from Central Europe - a partner of the most prestigious professional organisation in finance - the CFA Institute. Krzysztof Jajuga is also a lecturer in these programmes. Another huge success of these programmes is the achievement of the prestigious EFMD accreditation. In addition, both programmes have partnership status with the world's professional organisations - CIMA and ACCA.

Krzysztof Jajuga is also the co-creator (and for a long time was also the supervisor) of the Finance and Accounting faculty, which has been run at the Faculty of Management, Informatics and Finance since 1993 (and now at the Faculty of Economics and Finance). The programme of this faculty, as the first in Poland, was based on world standards of modern finance. The course has been awarded a distinction grade by the Polish Accreditation Commission. Within this faculty, Krzysztof Jajuga designed two specialisations: Financial Analytics and Risk Management and Real Estate. He has taught and continues to teach many subjects. He has promoted several hundred Master's and Bachelor's degree holders. Krzysztof Jajuga is the author or co-author of 38 textbooks in the field of broadly understood finance and econometrics. The book "Investments", published in 1996 and then reissued in subsequent years, has become the main source of knowledge for professionals working in the financial market.

His teaching qualities are recognised by his students. For more than a dozen years, he has been awarded the University of Economics students' "Best" award (the so-called "Best-or"), usually in the category of the most comprehensive and knowledgeable economics teacher. Professor Krzysztof Jajuga has also made a very significant contribution to organisational activities, firstly at his home university, secondly in the Polish and international scientific community, and thirdly in business practice.

Krzysztof Jajuga's scientific achievements stem from his scientific interests, which are:
- Statistical and econometric analysis of multivariate data;
- the application of mathematical methods in finance, primarily in the analysis of financial markets and risk management.

Achievements in the first area of interest (statistical and econometric analysis of multivariate data) were mainly made in the period 1979-1995, i.e. up to the appointment as full professor (now the position of professor). The main achievements are mainly:
- Generalisation of the Bayesian classification method to the case of a multivariate stepwise distribution;
- New method: fuzzy classification, when classes are created due to linear regression functions;
- New method: fuzzy classification, where classes are created due to the Principal Components (Principal Components) of sets of observations;
- solving a fuzzy classification task in the generalised Minkowski distance case;
- a method of extracting homogeneous classes for sets of observations with a distribution that is a mixture of multivariate elliptically symmetric distributions.

Krzysztof Jajuga's articles have appeared in renowned foreign journals such as: Fuzzy Sets and Systems, Computational Statistics and Data Analysis, Pattern Recognition Letters. The fruits of his research in this field - in addition to his doctoral dissertation and habilitation thesis - are two monographs: "Statistical Theory of Image Recognition" (1990) and "Statistical Multivariate Analysis" (1993).

The second area of interest (the application of mathematical methods in finance, especially in the analysis of financial markets and risk management) has been developed by Krzysztof Jajuga since 1990. Publications in this area concern mainly the functioning of financial markets and the analysis of financial risk, with the application of mathematical and econometric models. In this area, Krzysztof Jajuga is considered a pioneer and an unquestioned authority, not only in Poland, but also abroad. He is the author or co-author of many publications (also published abroad), including several monographs in this field, among others: "Investments. Financial instruments, non-financial assets, financial risk, financial engineering" and "Risk management".
Key achievements from this area include:
- a comprehensive methodology for market risk measures;
- a methodological proposal for the application of the copula function in portfolio theory;
- Systematisation of the broad set of mathematical methods used in finance, including methods of artificial intelligence in the broadest sense;
- financial model risk measurement methodology.

Functions held (current and past):

- Head of the Department of Financial Investments and Risk Management at Wrocław University of Economics and Business
- Member of the Bureau and Chair of the Social Sciences Group of the Council for Scientific Excellence
- Chairman of the Committee on Financial Sciences of the Polish Academy of Sciences
- Member of the Committee on Statistics and Econometrics of the Polish Academy of Sciences
- Member of the Council of the PTS Classification and Data Analysis Section (SKAD)
- President of the International Federation of Classification Societies (IFCS)
- President of the Management Board of the CFA Society of Poland
- Member of the Advisory Board of the Association of Business Service Leaders
- Member of the Scientific Statistical Board of the Central Statistical Office
- Member of the Methodological Commission of the Central Statistical Office
- Member of the Advisory Scientific Committee to the Financial Ombudsman
- Editor-in-Chief of the journal "*Argumenta Oeconomica*"
- Chairman of the Editorial Board of the journal "*Finance*" of the Committee on Financial Sciences of the Polish Academy of Sciences
- Member of the Editorial Committee *of the Journal of Risk Management in Financial Institutions*
- Chairman of the Editorial Board of the journal *Statistical Review*
- Member of the Programme Board of the *"Świat Nieruchomości"* magazine
- Member of the Editorial Committee of the journal *"Statistics in Transition new series"*
- Member of the Scientific Council of the journal *"Real Estate Finance"*
- Member of the Programme Board of the journal *"Economist"*

- Member of numerous supervisory boards (past and present), including former member of the Board of the Warsaw Stock Exchange and former member of the Scientific Council of the National Bank of Poland
- Associate of renowned law firms and consultancies

Authorship or co-authorship of scientific monograph(s):

Krzysztof Jajuga's publication output includes 497 publications, a significant proportion of which are in English. Among others, Krzysztof Jajuga has published 16 monographs and 38 textbooks.

Key publications with high citation counts include:

1. Bayes classification rule for the general discrete case, Pattern Recognition 19, pp. 413-415.
2. Determining hyperspherical classes of observations, Pattern Recognition Letters 4, pp. 19-24.
3. Linear fuzzy regression, Fuzzy Sets and Systems 20, pp. 343-353.
4. A clustering method based on the L1-norm, Computational Statistics and Data Analysis 5, pp. 357-371.
5. L1-norm based fuzzy clustering, Fuzzy Sets and Systems 39, pp. 43-50.
6. Fuzzy clustering with squared Minkowski distances, Fuzzy Sets and Systems, 120, pp. 227-237.
7. Model risk in finance – investor perspective, Transformations in Business and Economics, 15, pp. 289-304.
8. The development of the economic sciences: two contemporary tendencies, Ruch Prawniczy, Ekonomiczny i Socjologiczny, 83, pp. 279-296, 2021.
9. Model risk in option pricing – Estimation risk of volatility parameter, in: Modern Finance and Risk Management, pp. 269-287, World Scientific, New Jersey, 2022.
10. .

Krzysztof Jajuga's key bibliometric indicators (ORCID: 0000-0002-5624-6929) are as follows:
Hirsch index: Web of Science database - 7, Scopus database - 4, Google Scholar database - 27
These values against the background of those representing the economic sciences are very high.

Authorship or co-authorship of a chapter in a scientific monograph / chapters in a scientific monograph:

1. Jajuga Krzysztof, Krzysztof Jajuga Chair of Financial Investment and Risk Management (EiF/KIFiZR)Faculty of Economics and Finance (EiF) Feldman Łukasz, Łukasz Feldman Chair of Financial Investment and Risk Management (EiF/KIFiZR)Faculty of Economics and Finance (EiF) Pietrzyk Radosław Pietrzyk Chair of Financial Investment and Risk Management (EiF/KIFiZR)Faculty of Economics and Finance (EiF) [et al]: Integrated risk model in household life cycle, 2015, Wrocław, Publishing House of Wrocław University of Economics and Business, 296 p., ISBN 978-83-7695-528-5

Authoring/co-authoring a book:

Books:

1. Statystyka ekonomicznych zjawisk złożonych - wykrywanie i analiza niejednorodnych rozkładów wielowymiarowych, praca habilitacyjna, Prace Naukowe AE 371, Wrocław 1987.
2. Estymacja modeli ekonometrycznych, collectiwe work edited by S. Bartosiewicz, PWE, Warszawa 1990.
3. Statystyczna teoria rozpoznawania obrazów, PWN, Warszawa 1990.
4. Jak inwestować w papiery wartościowe, Wydawnictwo Naukowe PWN, Warszawa 1993 (co-author: T. Jajuga) – THE BEST ECONOMICS TEXTBOOK 1993.
5. Statystyczna analiza wielowymiarowa, Wydawnictwo Naukowe PWN, Warszawa 1993.
6. Inwestycje. Instrumenty finansowe, ryzyko finansowe, inżynieria finansowa, Wydawnictwo Naukowe PWN, Warszawa 1996 (współautor: T. Jajuga).
7. Inwestycje finansowe. Wydawnictwo AE Wrocław 1997 (co-authors K. Kuziak i P. Markowski).
8. Zarządzanie ryzykiem w ubezpieczeniach, ed. Wanda Ronka-Chmielowiec, AE, Wrocław 2000.
9. Ubezpieczenia - rynek i ryzyko, red. Wanda Ronka-Chmielowiec, PWE, Warszawa 2002.
10. Ubezpieczenia w gospodarce rynkowej, ed. T. Sangowski, Branta, Bydgoszcz - Poznań, 2002.
11. Podstawy inwestowania na rynku papierów wartościowych, GPW w Warszawie, Warszawa, 2002.
12. Giełdowe instrumenty pochodne, GPW, Warszawa 2006.
13. Podstawy inwestowania na giełdzie papierów wartościowych, GPW, Warszawa 2006.

14. Inwestycje. Instrumenty finansowe, aktywa niefinansowe, ryzyko finansowe, inżynieria finansowe, Wydawnictwo Naukowe PWN, Warszawa 2006 (co-author: Jajuga T.) .
15. Elementy nauki o finansach, PWE, Warszawa 2007.
16. Podstawy inwestowania na giełdzie papierów wartościowych, wyd. 3, GPW, Warszawa 2007.
17. Zarządzanie ryzykiem, Wydawnictwo Naukowe PWN, Warszawa 2007 (ed.).
18. Giełdowe instrumenty pochodne, wyd. 2, GPW, Warszawa 2007.
19. Integrated risk model in household life cycle, UE Wrocław, Wrocław 2015 (co-authors: Feldman Ł., Pietrzyk R., Rokita P.).
20. Ryzyko systemu finansowego. Metody oceny i ich weryfkacja w wybranych krajach. Materiały i Studia, 327, NBP, Warszawa 2017 (co-authors: Karaś M., Kuziak K., Szczepaniak W.).
21. Zarządzanie ryzykiem, Wydawnictwo Naukowe PWN, Warszawa 2019 (ed.).

Authorship or co-authorship of scientific article(s),

Articles:

1. On pattern recognition methods in econometric regression model, in: L. F. Pau (ed.), Artificial Intelligence in Economics and Management, pp.167-171, North-Holland, Amsterdam 1986.
2. Determining hyperspherical classes of observations, Pattern Recognition Letters 4, pp.19-24, 1986.
3. Bayes classification rule for the general discrete case, Pattern Recognition 19, pp.413-415, 1986.
4. Linear fuzzy regression, Fuzzy Sets and Systems 20, pp.343-353, 1986.
5. A clustering method based on the L1-norm, Computational Statistics and Data Analysis 5, pp.357-371, 1987.
6. Elliptically symmetric distributions and their application to classification and regression, in: Pukkila T., Puntanen S.(ed.), Proceedings of the Second International Tampere Conference in Statistics, pp.491-498, Tampere 1987.
7. L1-norm based fuzzy clustering, Fuzzy Sets and Systems 39, pp.43-50, 1991.
8. Application of clustering methods to linear regression, Acta Oeconomica Pragensia 59, pp.121-129, Prague 1990.
9. Analyzing heterogeneous data sets in statistics - different approaches, Statistics in Transition, 1, 217-231, 1993.
10. Statistical methods of investment portfolio selection, Badania Operacyjne i Decyzje, 4/1993, pp.41-49.

11. Finance - change of paradigm in teaching and research, Argumenta Oeconomica, 1, pp.51-60, Wrocław 1995.
12. On the principal components of time series, Statistics in Transition, 2, 201-205, 1995.
13. Optimization in fuzzy clustering, in: Control and Cybernetics, 24, pp. 409-419, 1995.
14. Genetic evolution of neural network models for financial market forecasting, in: Nonlinear Financial Forecasting, Proceedings of the First INFFC, pp.139-152, 1997 (co-authors: J. Korczak, J.-P. Novak, E. Dizdarevic, P. Ritter).
15. Classification and data analysis in finance, in: Classification and Related Methods, pp. 63-70, Springer,Tokyo 1998.
16. Statistical approach in financial risk management - review of concepts, in: Classification in the information age, pp. 115-123, Springer, Berlin 1999.
17. Statistics and data analysis in market risk measurement, in: Gaul W., Opitz O., Schader M. (ed.), Data analysis, scientific modeling and practical application, pp. 487-494, Springer, Berlin 2000.
18. Standardisation of data set under different measurement scales, in: Decker R., Gaul W. (ed.), Classification and information processing at the turn of the millenium, pp. 105-112, Springer, Berlin 2000 (co-autor: M. Walesiak).
19. Dynamic models in the analysis of financial instruments, in: Dynamic Econometric Models, 4, pp. 17-23, Wydawnictwo UMK, Toruń 2000.
20. The development of the Polish financial market after transformation, in: Analysis and international comparisons of social consequences of transformation processes in post-communist countries, pp. 33-43, University of Economics, Bratislava 2001.
21. Fuzzy clustering with squared Minkowski distances, Fuzzy Sets and Systems, 120, pp. 227-237, 2001 (co-autor: P. Groenen).
22. Risk of options - impact of volatility parameter, in: Ruan D., Kacprzyk J., Fedrizzi J. (ed.), Soft computing for risk evaluation and management, pp. 487-500, Physica-Verlag, Heidelberg, 2001 (co-autor: K. Kuziak).
23. Risk in finance. A statistical approach, in: Zeliaś A. (ed.), Contemporary problems of statistical and econometric research, pp. 191-201, AE Kraków 2001.
24. The statistical foundations of financial instrument analysis, in: Zeliaś A. (ed.), Contemporary problems of statistical and econometric research, pp. 202-210, AE Kraków 2001.
25. Modeling the relationship in financial risk management - copula analysis, in: Quantitative Methods in Economy and Business - Methodology and Practice in the New Millenium, pp. 40-46, University of Economics in Bratislava, Bratislava 2002.
26. On the generalized distance measure, in: Schwaiger M., Opitz O. (ed.), Exploratory data analysis in empirical research, pp. 104-109, Springer, Berlin, 2003 (co-autors: M. Walesiak, A. Bąk).

27. The general model of financial prices dynamics, in: Dynamic Econometric Models, 5, pp. 5-13, Wydawnictwo UMK Toruń, Toruń 2002.
28. Statistical and econometric data analysis - integration of approaches, in: Przestrzenno-czasowe modelowanie i prognozowanie zjawisk gospodarczych, pp. 155-162, AE Kraków, 2004.
29. Quantitative methods in finance - development of theory and teaching programs, in: Education of quantitative mathematical-statistical methods on the universities of economics referring to future needs, pp. 27-38, Svaty Jur, 2003.
30. Tail dependence in multivariate data - review of some problems, in: Innovations in Classification, Data Science and Information Systems, pp. 446-453, Springer-Verlag, Berlin.
31. Application of copula functions in a modelling of relations in multivariate time series, in: Dynamic Econometric Models, pp. 15-24, UMK, Toruń 2004.
32. Extreme value analysis and copula, in: Cizek P., Hardle W., Weron R. (ed.), Statistical tools for finance and insurance, pp. 45-64, Springer, Berlin 2005 (co-autor: Papla D.).
33. Model-based clustering - discussion on some approaches, in: Baier D., Decker R., Schmidt-Thieme L. (ed.), Data Analysis and Decision Support, pp. 73-81, Springer, Berlin 2005.
34. Copula approach in two-stock portfolio analysis, Prace Naukowe AE, 1088, pp. 203-209, AE Wrocław 2005.
35. Mortgage loans portfolio credit risk modeling - general approach, in: Credit risk of mortgage loans. Modelling and management, pp. 120-127, ZBP, Warszawa, 2005.
36. Derivative instruments in real estate market, in: Credit risk of mortgage loans. Modelling and management, pp. 372 - 380, ZBP, Warszawa, 2005.
37. Tail dependence in bivariate distributions, Acta Universitas Lodziensis, 194, pp. 33-52, 2005.
38. Copula functions in model based clustering, in: From Data and Information Analysis to Knowledge Engineering, pp. 606-613, Berlin 2006 (co-autor: Papla D.).
39. Statistical analysis of multivariate data - on non-clasical approaches, in: Przestrzenno-czasowe modelowanie i prognozowanie zjawisk gospodarczych, pp. 125-131, AE Kraków, 2006.
40. Application of extreme value analysis in portfolio analysis, Prace Naukowe AE, 1133, pp. 130-138, AE, Wrocław 2006.
41. Rynek instrumentów finansowych w Polsce (in Ukrainian), in: Ewolucja polskiego systemu bankowego, pp. 27-42, Wydawnictwo UMCS, Lublin 2006.
42. Model risk measurement - general concept and particular models, in: Mathematical, econometrical and computational concepts in finance and insurance, pp. 107-115, AE, Katowice 2006 (co-autor: Kuziak K.).

43. On advanced credit risk modeling, in: Matematyczne i ekonometryczne metody oceny ryzyka finansowego, pp. 65-72, AE, Katowice 2007.
44. Multivariate distributions in financial data analysis - applications in portfolio approach, in: Acta Universitas Lodziensis, Folia Oeconomica, pp. 379-387, Łódź 2008.
45. Financial econometrics – 25 years later, in: Dynamic Econometric Models, pp. 5-12, UMK, Toruń 2008.
46. Instrumenty finansowe zabezpieczone hipotecznie, in: Współczesna bankowość hipoteczna, pp. 93-102, CeDeWu, Warszawa 2010.
47. Modelowanie ryzyka kredytowego portfela wierzytelności hipotecznych, in: Współczesna bankowość hipoteczna, pp. 157-170, CeDeWu, Warszawa 2010.
48. Zastosowanie instrumentów pochodnych w zarządzaniu ryzykiem wierzytelności hipotecznych, in: Współczesna bankowość hipoteczna, pp. 171-186, CeDeWu, Warszawa 2010.
49. Indeksy rynku nieruchomości, in: Współczesna bankowość hipoteczna, pp. 201-207, CeDeWu, Warszawa 2010.
50. Some standards in the portfolio performance evaluation, in: Rynek kapitałowy. Zeszyty Naukowe, 612, pp. 17-29, US, Szczecin 2010.
51. Assessment of model risk in financial markets, Optimum Studia Ekonomiczne, 48, pp. 35-43, 2010.
52. Managing risk and investment in small business, in: Managing a small business in the contemporary environment, pp. 175-194, Eurilink, Roma 2012.
53. Stabilność finansowa – nowe wyzwania dla nauki finansów, in: Szkice o finansach, pp. 117-123, Wydawnictwo UE Katowice, 2012.
54. Zarządzanie portfelem inwestycyjnym, in: Bankowość, pp. 244-260, Wydawnictwo C.H. Beck, Warszawa 2013.
55. Rozwój polskiej myśli statystycznej w naukach ekonomicznych, in: Przegląd Statystyczny, numer specjalny 1/2012, pp. 53-60.
56. Systemic risk and financial stability in insurance: macroprudential policy concerns, in: Macroprudential supervision in insurance. Theoretical and practical aspects, pp. 136-152, Palgrave MacMillan, London, 2014.
57. Współczesne trendy i wyzwania w zarządzaniu ryzykiem finansowym – wprowadzenie, in: Ryzyko instytucji finansowych, współczesne trendy i wyzwania, pp. 27-47, CH. Beck, Warszawa 2016.
58. Pomiar i analiza ryzyka – przegląd narzędzi, in: Ryzyko instytucji finansowych, współczesne trendy i wyzwania, pp. 341-370, CH. Beck, Warszawa 2016.
59. From duration analysis to GARCH models – An approach to systematization of quantitative methods in risk measurement, Economics and Business Reviews, 16, pp. 7-19, Poznań 2016.

60. Model risk in finance – investor perspective, Transformations in Business and Economics, 15, pp. 289-304, Vilnius 2016.
61. Ryzyko inwestycji – pomiar w konwencji czasu, in: Ubezpieczenia we współczesnym świecie, problemy i tendencje, pp. 73-83, UE, Wrocław 2017.
62. Financial investments – systematization, in: System finansowy w multiperspektywie, pp. 41-53, Wydawnictwo Naukowe Wydziału Zarządzania UW, Warszawa 2018.
63. Two complementary approaches in risk analysis, in: Finanse i zarządzanie: wybrane wyzwania, pp. 45-58, Wydział Nauk Ekonomicznych Uniwersytetu Warszawskiego, Warszawa 2018.
64. Nauki ekonomiczne – dylematy klasyfikacji dyscyplin. Tendencje zmian, in: Ewolucja nauk ekonomicznych, PAN, pp. 140-150, Warszawa 2019.
65. Jak zmiany technologiczne zmienią rynki finansowe?, in: Polityka pieniężna i rynki finansowe wobec wyzwań gospodarki 4.0, pp. 141-156, CeDeWu, Warszawa 2019.
66. Przemiany technologiczne i ich wpływ na badania naukowe i dydaktykę nauk ekonomicznych, in: Ekonomia jako dyscyplina naukowa i kierunek kształcenia. Aktualne trendy i pożądane zmiany, pp. 63-75, Difin, Warszawa 2020.
67. Mathematical methods on the financial market: past developments and contemporary challenges, Metody ekonometryczne w makro- i mikroekonomii, pp. 133-149, SGH, Warszawa 2020.
68. The development of the economic sciences: two contemporary tendencies, Ruch Prawniczy, Ekonomiczny i Socjologiczny, 83, pp. 279-296, 2021.
69. Bank as a Stakeholder in the Financing of Renewable Energy Sources. Recommendations and Policy Implications for Poland, Energies, 14(19), 6422, 2021 (współautorki: Daszyńska-Żygadło K., Zabawa J.).
70. Data Analysis for Risk Management – Economics, Finance and Business: New Developments and Challenges, Risks, 11(4), 70, 2023.
71. Badania naukowe w ekonomii i finansach a rozwój technologiczny, in: Nauka polska. Szanse, bariery i wyzwania, pp. 153-170, Wydawnictwo Naukowe Scholar , Warszawa 2023.
72. Współczesne dylematy metod statystycznych i ekonometrycznych w zastosowaniach społeczno-ekonomicznych, in: Ewolucja nauk ekonomicznych II, pp. 73-90, PTE, Warszawa 2023 (co-autors: Pociecha J., Szreder M.).

Directing a financial research project in a national or international competition:

Krzysztof Jajuga was a manager and contractor in several centrally funded grants (KBN, Ministry of Science, NCN). He was area manager in a major European project in the Horizon 2020 programme.

Contractor in a research project(s) funded through either a national or international competition:

- **EURHISFIRM under Horizon 2020**

Historical high-quality company-level data for Europe. Project manager at UEW: Krzysztof Jajuga, , start date **01-04-2018**, end date **30-06-2021**, Completed - cleared EiF, EiF (COP_01)
The project aims to develop a research infrastructure by designing innovative technologies to extract, link and share detailed, high-quality historical data on European companies. As an input, the project will develop innovative technologies for linking and extracting data. The project will develop technologies specific to Big Data analysis in the social sciences to enrich existing data. The designed technology will combine data from scans of image files and historical textual sources.

- **PnH Eurhisfirm funded by the Ministry of Science and Higher Education**

Bonus on the Horizon: Historical high-quality company-level data for Europe. Project manager at UEW: Krzysztof Jajuga, , start date **28-12-2018**, Completed - cleared EiF, ZIF (COP_01).
The project has been allocated funding for the costs of salary allowances of persons involved in the implementation of the Horizon 2020 Framework Programme for Research and Innovation project entitled: 'High-quality historical data on European companies', based on contract No. 777489 of 11 December 2017 (This project aims to develop research infrastructure by designing innovative technologies to extract, link and share detailed high-quality historical data on European companies. As an input, the project will develop innovative technologies for linking and extracting data. The project will develop technologies specific to Big Data analysis in the social sciences to enrich existing data. The designed technology will combine data from scans of image files and historical textual sources).

- **GnG EurHisCom, financed by the MEiN**

EurHisCom Grants. Project manager at UEW: Krzysztof Jajuga, , start date **16-08-2021**, end date **15-11-2021**, Completed - cleared EiF
The project involves the payment of additional remuneration to research staff involved in the development of high-quality proposals for Horizon 2020 grants. The aim of the project is to increase the efficiency of applying for grants funded from the European Union budget for projects under European Union research programmes and the involvement of staff in the development of high-quality proposals for these grants. Applies to the project: EurHisCom: Integration of long-term enterprise data in Europe - Acronym: EurHisCom.

Awards and distinctions received (national and international):

1995 - Krzyż Kawalerski Orderu Odrodzenia Polski (Knight's Cross of the Order of Polonia Restituta)
2001 - Medal Komisji Edukacji Narodowej (National Education Commission Medal)
2002 - Medal of the Polish Statistical Association
2012 - Honorary doctorate (honoris causa) of the Cracow University of Economics
2012 - Honorary Professorship of the Warsaw University of Technology
2013 - Crystal Alumnus of the Wrocław University of Economics and Business for lifetime achievements in research and teaching
2019 - selected as one of the 25 most important personalities in the history of the Polish capital market by Gazeta Parkiet
2019 - selected by the Wrocław Agglomeration Development Agency as one of the creative personalities in Wrocław, as an authority in the field of finance, statistics, econometrics and risk management
2022 - Honorary doctorate of the WSB Academy in Dąbrowa Górnicza
2022 – Krzyż Oficerski Orderu Odrodzenia Polski (Officer's Cross of the Order of Polonia Restituta)
2023 - selection by representatives of companies associated with the investment industry as the winner of a plebiscite for a man of merit for the development of the fund and asset management market
2023 - Odznaka Honorowa za Zasługi dla Statystyki Rzeczypospolitej Polskiej (Badge of Honour for Services to Statistics of the Republic of Poland)
2023 - honorary professorship of the University of Warmia and Mazury in Olsztyn

Krzysztof Jajuga was honoured with the highest academic dignities
2012 - Honorary doctorate (honoris causa title) from the Cracow University of Economics;
2012 - Honorary professorship at the Warsaw University of Technology;
2022 - Honorary doctorate (honoris causa title) of the WSB Academy in Dąbrowa Górnicza;
2023 - Honorary professorship at the University of Warmia and Mazury in Olsztyn.

Achievements:

- Rector's written award for academic achievement in 2023, 2024
- Rector's First Class Award for Achievement in the Education and Training of Students or in the Education of Doctoral Students 2023, 2024

- Rector's award of the second degree for achievements in 2022 in the area of performance of organizational activities, 2023
- Rector's written award for achievements in 2022 in the area of conducting scientific activities, 2023
- Rector's First Class Award for achievement in 2022 in the area of student education and education or participation in doctoral education, 2023
- Rector's congratulatory letter for achievements in scientific activities in 2021, 2021
- Rector's First Class Award for achievements in the area of student education or participation in doctoral training in 2021, 2021
- Rector's award of the second degree for achievements in the organizational area in 2021, 2021
- Rector's First Class Award for Organisational Achievement in 2019, 2020
- Rector's First Class Award for Achievement in Research Staff Education 2019, 2020
- Jajuga Krzysztof: Rector's award of second degree for teaching and learning achievements in 2019, 2020
- Officer's Cross of the Order of Polonia Restituta "for outstanding contributions to the development of economic sciences, for achievements in research and teaching, and for popularising Polish scientific thought worldwide.", 2022
- Honorary Doctorate of the WSB Academy, 2021
- field of economic sciences/economics, 1982
- Doctor of Economics, 1987
- title of professor of economic sciences, 1992

Multimedia/media reports:

- Ryzyko w zarządzaniu finansami – Profesor Krzysztof Jajuga | Wykłady mistrzowskie o finansach #1, 2024, YouTube (movie)
- Finanse Osobiste - prof. dr hab. Krzysztof Jajuga, 2023, YouTube (voice)
- Jak wiedza ekonomiczna pomaga uniknąć pułapek wyborczych? - prof. dr hab. Krzysztof Jajuga, 2023, YouTube (movie)
- Czas dla ekonomii - Jakie zmiany czekają nas na rynku finansowym?, 2022, YouTube (movie)
- Czas dla ekonomii - Wojna na Ukrainie uderzy we wszystkie gospodarki, 2022, YouTube (movie)

Cooperation with a foreign university or research institution:

Key trips abroad:

- 1.10.1981 - 30.06.1982 - visiting scholar (**Fulbright grant**) at Stanford University, Department of Statistics, USA
- 1.10.1988 - 31.10.1988 - visiting professor at Swarthmore College, Swarthmore, Pennsylvania, USA
- 1.11.1988 - 31.01.1989 - visiting professor at Stanford University, Department of Statistics, USA
- 1.01.1990 - 31.05.1990 - visiting professor at Temple University, School of Business and Management, Philadelphia, Pennsylvania, USA
- 1.02.1997-22.02.1997 - visiting professor at the University of Richmond, Business School, Richmond, Virginia, USA

Many short visits as lecturer in the following countries: Belgium, China, France, Netherlands, Ireland, Germany, UK, Sweden.
Recognition of Krzysztof Jajuga's scientific achievements has resulted in him being invited to lecture abroad. He has lectured or is lecturing in the following countries: United States, France, China, Sweden, Ireland, Belgium, Netherlands, Germany, United Kingdom.
He is invited to the scientific committees of international conferences. He sits on the scientific advisory boards of several journals, including the international journal Risk Management in Financial Institutions, as well as several well-known Polish journals, e.g. “Ekonomista” and “Przegląd Statystyczny”.
Professor Krzysztof Jajuga's most important achievement in this area is related to the English-language scientific journal “Argumenta Oeconomica”, of which (since 2002) he has been editor-in-chief. This journal was the first journal of economic sciences published in Poland to be included in the prestigious JCR list of Web of Science (Thomson Reuters, now Clarivate Analytics) and has now increased its Impact Factor to 0.6. In addition, the journal is on the Scopus list.

Krzysztof Jajuga was a member of the Scientific Council of the National Bank of Poland and a member of the Council of the Warsaw Stock Exchange. He cooperates with numerous institutions and companies. He has produced many opinions and expert reports for practice. In 2009, he was also put forward as a candidate for the Monetary Policy Council. He was awarded the title "Pillar of the Capital Market" by

the newspaper "Parkiet" in 2019. In the same year, he was selected by the Wrocław Agglomeration Development Agency as one of the creative personalities in Wrocław, an authority in the field of finance, statistics, econometrics and risk management.

Presenting a scientific paper at the conference:

Krzysztof Jajuga has an above-average track record at scientific conferences. **He has presented 375 papers in Polish and English**, including 117 papers at international conferences, including at the most prestigious conference in economic sciences, the American Economic Association conference.

1 Jajuga K. - Methods of numerical taxonomy under the condition of spatial compactness of objects, conference Taxonomic methods and their application in economic research, Szklarska Poręba, October 1979.
2 Jajuga K. - On a certain generalisation of the regression issue, Southern Poland econometric conference, Kozubnik, May 1983.
3 Jajuga K. - On a generalization of principal component analysis, Multivariate Statistical Analysis conference, Łódź, November 1983.
4 Jajuga K. - On ways of determining the number of classes in classification issues and fuzzy classification, Conference on Taxonomic Methods, Ustronie, December 1983.
5 Jajuga K. - On optimal representatives of a set of variables, Southern Poland econometric conference, Cracow, April 1984.
6 Jajuga K.- On classification in regression analysis, Conference on Taxonomic Methods, Zachełmie, October 1984.
7 Jajuga K. - On regression analysis in the case of heterogeneity of a set of objects, Multivariate Statistical Analysis conference, Łódź, November 1984.
8 Jajuga K. - On pattern recognition methods in econometric regression model, IFAC conference, Zurich, March 1985.
9 Jajuga K. - The issue of classification in stochastic terms, Southern Poland econometric conference, Karpacz, April 1985.
10 Jajuga K. - On the use of the linear econometric model in microeconomic issues, Conference on Econometrics in the Enterprise, Swinoujscie, September 1985.
11 Jajuga K. - On the use of the regression model, econometric conference on the occasion of the 20th anniversary of the Department of Econometrics of the AE Poznań, Błażejewko, September 1985.
12 Hellwig Z., Jajuga K. - Application of classification methods to the determination of econometric model domain, Multivariate Statistical Analysis conference, Łódź, November 1985.

13 Jajuga K. - On determining the domain of a linear econometric model in the form of a hyperellipsoid, Conference on Modelling of Economic Systems, Ustroń, November 1985.
14 Forlicz S., Jajuga K. - Test proposals for the symmetry of a multivariate random variable, Southern Poland econometric conference, Ustroń, April 1986.
15 Jajuga K. - Different concepts of linear regression and their applications to the case of heterogeneous observations, Second Catalan International Symposium on Statistics, Barcelona, September 1986.
16 Jajuga K. - On spherically symmetric distributions, Multivariate Statistical Analysis conference, Łódź, October 1986.
17 Jajuga K. - Application of elliptical distributions to the linear econometric model building, Macromodels-86 conference, Szczyrk, December 1986.
18 Jajuga K. - On the estimation of the correlation coefficient for some two-dimensional distributions, Southern Poland econometric conference, Koninki, April 1987.
19 Jajuga K. - Modelling linear dependencies and structural change, Econometrics in the Enterprise Conference, Piaski Wielkie, May 1987.
20 Jajuga K. - Elliptically symmetric distributions and their application to classification and regression, Second International Tampere Conference on Statistics, Tampere, June 1987.
21 Jajuga K. - Clustering method based on L -norm, First International Conference on L - norm, Neuchatel, September 1987.
22 Jajuga K. - Classification methods in the modelling of qualitative phenomena, Conference on Taxonomic Methods, Zachełmie, October 1987.
23 Jajuga K. - Estimation of correlation coefficient for some bivariate elliptically symmetric distributions, Multivariate Statistical Analysis conference, Łódź, October 1987.
24 Jajuga K. - On some applications of graphical methods in economic data analysis, Econometrics in the enterprise conference, Swinoujscie, May 1989.
25 Jajuga K. - On some research directions and problems in classification, conference Taxonomy, theory and applications, Mogilany, September 1989.
26. Jajuga K., Dziechciarz J., Mielnik P., Kowalewski G.. - Microcomputer-assisted econometrics, conference Modern methods in econometrics didactics, Karpacz, December 1989.
27 Jajuga K. - Classification versus statistical data analysis, Spatial Econometrics Conference, Zakopane, April 1991.
28 Jajuga K. - Concept of studies at the Faculty of Management and Computer Science, AE Wrocław, didactic conference, Łódź, June 1991.
29 Jajuga K. - On the application of econometric methods in capital management, conference Theoretical and practical problems of microeconometrics, Świnoujście, September 1991.
30 Jajuga K. - Periodization and the construction of dynamic econometric models, Dynamic econometric models conference, Ciechocinek, September 1991.
31 Jajuga K. - Practical problems of capital share portfolio management, conference Shares in Companies, Wrocław, December 1992.

32 Jajuga K. - Statistical methods for portfolio selection of equity investments, Modeling phenomena conference, Zakopane, April 1993.
33 Jajuga K. - Risk in securities analysis, Microeconometrics in theory and practice conference, Swinoujscie, September 1993.
34 Jajuga K. - A general concept of classification methods, Conference on Taxonomic Methods, Karpacz, October 1993.
35 Jajuga K. - Economic transition in Poland, Economies in transition conference, Blacksburg, March 1994.
36 Jajuga K. - Portfolio theory - a review of methods, conference Modelling phenomena, Zakopane, April 1994.
37 Jajuga K. - On neural networks in classification and data analysis, SKAD conference, Cracow, September 1994.
38 Jajuga K. - Curriculum for the finance and banking faculty of the Faculty of Management and Information Technology, Dydaktyka zarzadzania finansami conference, Wrocław, December 1994.
39 Jajuga K. - Options, Derivatives conference, Krakow, June 1995.
40 Jajuga K. - Investment project risk, Microeconometrics in theory and practice conference, Swinoujscie, September 1995.
41 Jajuga K. - Some applications of classification and data analysis in financial issues, SKAD conference, Szklarska Poręba, October 1995.
42 Jajuga K., Strahl D. - Structural transformation model for Poland in years 1995-2000, Econometrics of transition conference, Warsaw, December 1995.
43 Jajuga K. - Classification and data analysis in finance, IFCS-96 conference, Kobe, March 1996.
44 Jajuga K. - Econometrics and finance - history and directions of research in modern finance, Modelling phenomena conference, Zakopane, April 1996.
45. Jajuga K., Walesiak M., Dziechciarz J. - Curriculum minima in applications of econometric and statistical methods in finance and marketing, didactic conference, Łódź, June 1996.
46 Jajuga K., Strahl D. - Econometric methods in the evaluation of regional transformation, Łódź -Lyon conference, Lodx, September 1996.
47. Jajuga K., Walesiak M. - Notes on non-exhaustive research using methods of statistical multivariate analysis, Conference on Survey Research, Baranowo, September 1996.
48 Jajuga K. - On the description of statistical observations, SKAD conference, Ustroń, October 1996.
49 Jajuga K. - Financial innovations: financial engineering and new financial instruments, conference Zachodniopomorskie Forum Finanse 97, Szczecin, March 1997.
50 Jajuga K. - Quantitative methods in finance - trends at the end of the twentieth century, conference Modelling phenomena, Zakopane, April 1997.
51 Jajuga K. - Mathematical methods in the didactics of finance - world standards, Teaching conference, Łódź, June 1997.
52 Jajuga K. - Modern Finance Theory - Fundamentals of Financial Engineering and the Concept of Value At Risk, Financial Mathematics Seminar, Wrocław, June 1997.

53 Jajuga K., Papla D. - Chaos theory in the analysis of financial time series - theoretical aspects and empirical studies, Dynamic econometric models conference, Toruń, September 1997.
54 Jajuga K. - Financial engineering in enterprise risk management, Microeconometrics in theory and practice conference, Świnoujście, September 1997.
55. Jajuga K., Kuziak K. - Interest rate risk - management methods, Conference on the Application of Mathematics, Zakopane, September 1997.
56 Jajuga K. - New financial instruments on the threshold of the Polish capital market, conference New regulations of the capital market, Wrocław, September 1997.
57 Jajuga K. - Prognostic problems in the market risk management of financial institutions, conference Prognozowanie w zarzadzaniu firmy, Jeleniów, September 1997.
58 Jajuga K., Jajuga T. - Elements of value and risk management of a company, conference Financial Management, Świeradów, October 1997.
59. Jajuga K., Kuziak K. - KGHM shares on the stock exchange - some statistical dependencies, conference Financial Management, Świeradów, October 1997.
60 Jajuga K. - Statistical approach in financial risk analysis and management - review of concepts, GfKl conference, Dresden, March 1998.
61 Jajuga K. - Option theory - a breakthrough in modern finance. Reflections against the background of the Nobel Prize in Economics, conference Modelling phenomena, Zakopane, April 1998.
62 Jajuga K. - General concept of financial risk management, Southern Poland conference, Ustroń, May 1998.
63 Jajuga K. - Corporate exposure to financial risk. Hedging against share price risk, seminar Hedging against financial risk, Poznań, June 1998.
64 Jajuga K. - Global tendencies in risk management of financial institutions, conference Global tendencies and changes in East European banking, Krakow, June 1998.
65 Jajuga K. - Market risk and credit risk management - new trends, Econometric modelling of accounting data conference, Kazimierz, September 1998.
66 Jajuga K. - Risk of financial institutions - remarks on new trends in measurement and management, Conference of chairs of finance, Międzyzdroje, September 1998.
67 Jajuga K. - Volatility (volatility) - forecasting and application in risk management, Conference on Forecasting in Company Management, Kudowa Zdrój, September 1998.
68 Jajuga K. - Financial instruments and risk management - global tendencies and situation in Poland, Global Financial Markets Equillibrium conference, Warsaw, October 1998.
69 Jajuga K. - Trends in modern financial risk management, Financial markets and regional development strategies conference, Nowy Sącz, October 1998.
70 Jajuga K. - Derivative instruments - global market and situation in Poland, Financial markets and regional development strategies conference, Nowy Sącz, October 1998.
71 Jajuga K. - Some additions to the problem of Lp-norm based parameters, SKAD conference, Świeradów, October 1998.

72 Jajuga K. - Investment project risk versus company risk, conference Finance, risk and ecology in investment processes, Ustroń, October 1998.
73 Jajuga K. - Credit risk in finance - measurement and management with derivatives, Conference on Preference Modelling and Risk, Ustroń, October 1998.
74 Jajuga K. - Risk management, financial engineering, derivatives - opportunity, threat or necessity, Financial investment and insurance conference, Świeradów, November 1998.
75 Jajuga K. - Financial risk management, conference Energy market in Poland, Wrocław, March 1999.
76. Jajuga K., Walesiak M. - Standardisation of data set under different measurement scales, GfKl conference, Bielefeld, March 1999.
77 Jajuga K. - New tendencies in company risk management, conference Zarzadzanie finansami firmy, Lądek, March 1999.
78 Jajuga K. - The concept of extreme values in financial risk analysis, Southern Poland conference, Osieczany, March 1999.
79 Jajuga K. - Risk measures of risk, conference Modelling phenomena, Zakopane, April 1999.
80 Jajuga K. - Financial engineering a zarzadzanie finansami firmy, conference Zachodniopomorskie Forum Finansowe, Szczecin, April 1999.
81 Jajuga K. - Forecasting financial risk, conference Forecasting in company management, Kudowa, May 1999.
82 Jajuga K., Kuziak K. - Derivatives market. Global trends and Polish market, Conference on Business and Economic Development in Central and Eastern Europe, Toruń, September 1999.
83 Jajuga K. - Dynamic models in the analysis of financial instruments, Dynamic econometric models conference, Toruń, September 1999.
84 Jajuga K. - Derivatives - a concept of contemporary finance, Conference of Chairs of Finance, Pułtusk, September 1999.
85 Jajuga K. - Investment fund strategies - world trends and the Polish market, Investment fund market conference, Krakow, September 1999.
86 Jajuga K. - Some statistical distributions used in financial data analysis, Econometric modelling of accounting data conference, Nałęczów, September 1999.
87 Jajuga K. - Financial market and insurance market - contemporary trends, Financial investment and insurance conference, Szklarska Poręba, September 1999.
88 Jajuga K. - Derivatives analysis - theory and application values, Microeconometrics in theory and practice conference, Świnoujście, September 1999.
89 Jajuga K. - Elements of extreme value theory and some applications, SKAD conference, Rytro, October 1999.
90 Jajuga K. - The global financial market - recent trends and implications for local communities, Euromenedzer conference, Tychy, October 1999.
91 Jajuga K. - Risk in finance and risk in insurance - trends in risk transfer, Conference on Preference Modelling and Risk, Ustroń, November 1999.
92 Jajuga K. - Extreme value theory in financial risk management, GfKl conference, Passau, March 2000.

93 Jajuga K. - Modern trends in the development of world financial markets and the Polish market, Zachodniopomorskie Forum Finansowe, Szczecin, April 2000.
94 Jajuga K. - General development trends of financial markets and financial innovation in the world, conference Innovations on financial markets, Warsaw, May 2000.
95 Jajuga K., Kuziak K., Papla D.. - Market risk of the Polish financial market (empirical studies), conference Innowacje na rynkach finansowych, Warsaw, May 2000.
96. Jajuga K., Kuziak K. - Application of financial risk management methods on the emerging markets - case of Poland, GARP Financial risk management conference, London, June 2000.
97. Jajuga K., Kuziak K. - Value at Risk (measurement of market risk) - methodology and empirical research, Conference on Market Risk Management in Financial Institutions, Warsaw, June 2000.
98. Jajuga K., Kuziak K., Walesiak M. - Classification methods in the evaluation of risk of insurance companies, IFCS-2000 conference, Namur, July 2000.
99. Jajuga K., Sokołowski A. - Classification and data analysis in Poland - past, present and future, IFCS-2000 conference, Namur, July 2000.
100 Jajuga K. - Credit risk measurement - overview of approaches, IFCS-2000 conference, Namur, July 2000.
101 Jajuga K. - The concept of Value at Risk in credit risk evaluation, IFCS-2000 conference, Namur, July 2000.
102 Jajuga K., Kuziak K. - Risk of derivative instruments - the impact of the underlying process, Operations Research 2000 conference, Dresden, September 2000.
103 Jajuga K. - Financial risk - measurement methods, Financial risk management conference, Warsaw, September 2000.
104 Jajuga K. - Finance at the threshold of the 21st century - challenges for theory and practice, Conference of chairs of finance, Poznań, September 2000.
105 Jajuga K. - From Bachelier to exotic options, or 100 years of financial market theory, Effective Investing Conference, Międzyzdroje, September 2000.
106 Jajuga K., Kuziak K., Papla D. - Market risk of Polish equities - Value at Risk and other methods of measurement, Effective Investing Conference, Międzyzdroje, September 2000.
107 Jajuga K. - Bank risk management - or the revolution of the end of the 20th century, Commercial bank risk conference, Chorzow, September 2000.
108 Jajuga K. - Financial market and risk - emergence, transfer and management, conference Risk on the financial market, Łódź, October 2000.
109 Jajuga K. - Risk management at the turn of the century - instruments, methods, Financial investment and insurance conference, Szklarska Poręba, October 2000.
110 Jajuga K. - Investment and risk - old concepts in the new economics?, Investment in the transformation of the Polish economy conference, Toruń, October 2000.
111. Jajuga K., Sokołowski A. - IFCS2000, Millennium talk, SKAD conference, Ustroń, October 2000.

112. Jajuga K., Kuziak K., Walesiak M. - An attempt to apply classification methods in the insurance rating issue, SKAD conference, Ustroń, October 2000.
113 Jajuga K. - Statistical methods in credit risk analysis, SKAD conference, Ustroń, October 2000.
114 Jajuga K. - Merton Miller and the development of modern finance, Corporate Finance Management Conference, Wrocław, November 2000.
115 Jajuga K. - The development of the Polish financial market after transformation, Ukraine-Slovakia-Czech Republic-Poland conference, Svaty Jur, November 2000.
116 Jajuga K. - Investment and risk transfer and the descriptive approach in risk analysis, Conference on Finance, risk and ecology in investment processes, Ustroń, November 2000.
117 Jajuga K. - Managing interest rate and exchange rate risk, Finance 2000 conference, Warsaw, November 2000.
118 Jajuga K. - Risk management in the implementation of investment projects, Financial Management 2000 conference, Warsaw, November 2000.
119 Jajuga K. - Problems of further development of the public derivatives market in Poland, conference Derivatives market, Warsaw, January 2001.
120. Jajuga K., Walesiak M., Bak A.. - On the generalised distance measure, GfKl conference, Munich, March 2001.
121 Jajuga K. - Non-classical methods of risk analysis, conference Modelling phenomena, Zakopane, April 2001.
122 Jajuga K. - Risk analysis and management - theoretical approaches and practical challenges, Innowacje na rynkach finansowych conference, Warsaw, June 2001.
123 Jajuga K. - A general model of financial price dynamics, Dynamic econometric models conference, Toruń, September 2001.
124 Jajuga K. - On the risk of the financial model, Microeconometrics in theory and practice conference, Swinoujscie, September 2001.
125 Jajuga K. - New instruments of investment and real estate financing in real estate education, Real Estate Conference, Kraków, September 2001.
126 Jajuga K. - Real estate investment - classical finance theory versus applications, Real Estate Conference, Krakow, September 2001.
127 Jajuga K. - Forward price as a forecast of spot price, Conference on Forecasting in Company Management, Kudowa, September 2001.
128. Jajuga K., Ronka-Chmielowiec W. - Option versus insurance policy, conference Management and information technology in the 21st century, Wrocław, October 2001.
129. Jajuga K., Ronka-Chmielowiec W. - Integration of the theory of finance and insurance - an introduction, Financial investment and insurance conference, Szklarska Poręba, October 2001.
130. Jajuga K., Walesiak M. - Taxonomic conferences - facts and reflections, SKAD conference, Ladek, October 2001.
131 Jajuga K., Walesiak M., Bak A. - Generalized distance measure - simulation studies, SKAD conference, Lądek, October 2001.

132 Jajuga K. - Mortgage backed securities - elements of valuation and risk management, conference Secondary mortgage market, Warsaw, November 2001.
133 Jajuga K. - Derivatives - some reflections on innovation and integration, Derivatives Market Conference, Warsaw, January 2002.
134 Jajuga K. - The state and the capital market, Capital market and state economic policy conference, Warsaw, February 2002.
135 Jajuga K. - Multivariate distribution and the measurement of dependence, Southern Poland conference, Osieczany, March 2002.
136 Jajuga K. - Financial instruments and transformations in the economy - world trends and the Polish market, Conference Financial instruments in stimulating economic activity, Mikolajki, May 2002.
137 Jajuga K. - Municipal bonds, Uwarunkowania i metody finansowania rozwoju lokalnych conference, Tychy, May 2002.
138 Jajuga K. - James Tobin and the development of economics and finance, conference Financial management - theory and practice, Ladek, May 2002.
139 Jajuga K. - Market risk management in the enterprise, Financial Directors Forum conference, Katowice, June 2002.
140 Jajuga K. - Problematics of econometric, statistical and mathematical methods in the didactics of finance, didactic conference, Łódź, June 2002.
141 Jajuga K. - Extreme value analysis and risk management, Risk management conference, Ojrzanów, June 2002.
142 Jajuga K. - Dependence measures and financial risk management, GfKl conference, Mannheim, July 2002.
143 Jajuga K. - Financial time series models - links between econometrics and financial theory, conference Analysis of economic time series, Toruń, September 2002.
144 Jajuga K. - 50 years of portfolio theory, Effective Investing conference, Międzyzdroje, September 2002.
145 Jajuga K. - Arbitrage opportunities with interest rates and exchange rates, Effective Investing Conference, Międzyzdroje, September 2002.
146. Jajuga K., Sokołowski A. - IFCS-2002 - facts and reflections, SKAD conference, Międzyzdroje, September 2002.
147. Jajuga K., Kuziak K. - Modelling relationships in multivariate data, SKAD conference, Międzyzdroje, September 2002.
148 Jajuga K. - Exchange rate arbitrage models, Conference of Chairs of Finance, Szczyrk, September 2002.
149 Jajuga K. - Extreme risk and new risks in the financial market, conference Innovations in financial markets, Warsaw, September 2002.
150 Jajuga K. - The bank as a financial market entity - problems of valuation and risk management, Corporate and investment banking conference, Chorzow, September 2002.
151 Jajuga K. - New risks on the financial market, Financial investment and insurance conference, Szklarska Poręba, October 2002.

152 Jajuga K. - Educational standards in finance - some foreign experiences, didactic conference, Warsaw, October 2002.
153 Jajuga K. - Tail dependence of two-dimensional distributions, Multivariate Statistical Analysis conference, Łódź, November 2002.
154 Jajuga K. - Tail dependence in multivariate data - review of problems, GfKl conference, Cottbus, March 2003.
155. Jajuga K., Kuziak K. - Copula analysis for bivariate distributions - some empirical studies in finance, GfKl conference, Cottbus, March 2003.
156 Jajuga K. - Analysis of extreme values and rare events, PRMIA Summit Conference, Paris, April 2003.
157 Jajuga K. - Enterprise value and risk and financial information - some contemporary issues, Financial Management Conference, Międzyzdroje, April 2003.
158 Jajuga K. - Statistical and econometric data analysis - integration of different approaches, conference Modelling of phenomena, Zakopane, April 2003.
159 Jajuga K. - Derivatives - in the thirtieth anniversary of option pricing theory, conference Derivatives, Warsaw, May 2003.
160 Jajuga K. - Option pricing theory in financial management - 30 years of the Black-Scholes-Merton model, conference Financial management of companies - theory and practice, Szklarska Poręba, May 2003.
161 Jajuga K. - Risk models versus model risk, PRMIA conference, Leszno, June 2003.
162 Jajuga K. - Concepts of risk measurement of an insurance company, conference Financial tools of insurance company management, Dymaczewo, June 2003.
163 Jajuga K. - Financial market versus real estate market - rates of return and risk - tools of analysis, Investment and real estate conference, Gdańsk, June 2003.
164 Jajuga K. - Risks associated with mortgage loans, Mortgage Credit Insurance Conference, Warsaw, June 2003.
165 Jajuga K. - On modelling the relations in financial time series, Dynamic econometric models conference, Toruń, September 2003.
166. Jajuga K., Walesiak M. - Variations on distance and link measures, SKAD conference, Skorzęcin, September 2003.
167 Jajuga K. - Risk management in the enterprise and financial institution - quantitative methods and the challenges of practice, Microeconometrics in theory and practice conference, Świnoujście, September 2003.
168 Jajuga K. - Innovations in the financial market theory and practical challenges, conference Innovations in the financial markets, Warsaw, September 2003.
169 Jajuga K. - Statistical methods in finance, conference Application of statistics in finance, Warsaw, October 2003.
170. Jajuga K., Kuziak K. - Extreme dependence in finance - application of copula function, conference Financial investments and insurance, Szklarska Poręba, October 2003.
171 Jajuga K. - Quantitative methods in finance - development of theory and teaching programs, Ukraine-Slovakia-Poland conference, Svaty Jur, November 2003.

172 Jajuga K. - Quantitative methods in finance - a perspective of economics, Applications of Physics in Financial Analysis conference, Warsaw, November 2003.
173 Jajuga K. - On the systematisation of credit risk models, Conference on Corporate Bankruptcy, Poznań, November 2003.
174 Jajuga K. - Risk analysis in the real estate market, conference Risk management in the real estate financing market, Warsaw, December 2003.
175 Jajuga K. - Remarks on models of property value prediction, conference Risk management on the real estate financing market, Warsaw, December 2003.
176 Jajuga K. - Individual Pension Accounts - comments, Individual Pension Accounts Conference, Warsaw, December 2003.
177 Jajuga K. - The Polish banking sector after accession to the European Union - some problems, Bank Forum conference, Warsaw, March 2004.
178 Jajuga K. - Value and risk of the enterprise and the option pricing model, Financial Management Conference, Międzyzdroje, April 2004.
179 Jajuga K. - Modelling credit and insurance risk - Mortgage Credit Forum conference, Stare Jabłonki, May 2004.
180 Jajuga K. - Programme of the "Real Estate" specialisation at the Faculty of Management and Information Technology at the Wrocław Academy of Economics, didactic conference, Ustroń, June 2004.
181 Jajuga K. - Data analysis in financial risk management - overview of modern approaches, IFCS-2004 conference, Chicago, July 2004.
182 Jajuga K. - Teaching statistics for economics and finance majors and practitioners, IFCS-2004 conference, Chicago, July 2004.
183 Jajuga K. - Model based clustering using copula approach, Compstat conference, Prague, August 2004.
184 Jajuga K. - Taxonomy of swap contracts and their pricing and risk analysis, Effective Investing Conference, Międzyzdroje, September 2004.
185 Jajuga K. - Thirty years of modern derivative pricing theory, Effective Investing Conference, Międzyzdroje, September 2004.
186. Jajuga K., Sokołowski A. - IFCS-Chicago 2004, some impressions, SKAD conference, Białowieża, September 2004.
187 Jajuga K. - Dependency in data analysis - a discussion on some approaches, SKAD conference, Bialowieza, September 2004.
188 Jajuga K. - Problems of measuring operational risk, Corporate Finance Conference, Chorzów, September 2004.
189 Jajuga K. - Tools for analysing financial markets, conference Forecasting behaviour on financial markets, Warsaw, October 2004.
190 Jajuga K. - The credit risk premium - two modelling concepts, Financial investment and insurance conference, Szklarska Poręba, October 2004.
191. Jajuga K., Kuziak K. - Model risk measurement - general concept and particular models, Conference on Mathematical Methods in Finance and Insurance, Ustroń, November 2004.

192 Jajuga K. - Credit risk modelling, Real estate financing conference, Warsaw, November 2004.
193 Jajuga K. - Basic issues in financial planning, Financial planning conference, Warsaw, November 2004.
194 Jajuga K. - Investment policy of Open Pension Funds - a discussion on some solutions, CFA conference Asset allocation in pension funds, Warsaw, March 2005.
195 Jajuga K., Papla D. - Copula functions in model-based clustering, GfKl conference, Magdeburg, March 2005.
196. Jajuga K., Barczak A. - Econometrics yesterday, today, tomorrow. Reflections and forecasts, Southern Poland conference, Osieczany, March 2005.
197 Jajuga K. - Problems of integrated enterprise risk management, Corporate financial management conference, Karpacz, April 2005.
198 Jajuga K. - Statistical analysis of multivariate data - some non-classical approaches, Modelling phenomena conference, Zakopane, April 2005.
199 Jajuga K. - Research and education in enterprise risk management, ERM conference, Chicago, May 2005.
200. Jajuga K., Kowalczyk-Lizak P. - Selected methods of real estate financing and the associated risks, Real Estate Conference, Krakow, May 2005.
201 Jajuga K. - Modelling the term structure of interest rates - a challenge for econometrics, Econometric modelling and forecasting of economic growth conference, Gdansk, May 2005.
202 Jajuga K. - Linear algebra tools - useful applications in portfolio theory, 45th anniversary conference of the Warsaw School of Econometrics, Warsaw, June 2005.
203 Jajuga K. - Derivatives in the risk transfer of mortgage loans, conference Refinancing of mortgage loans, Warsaw, June 2005.
204 Jajuga K. - Interest rate modelling and financial econometrics tools, Dynamic econometric models conference, Toruń, September 2005.
205 Jajuga K. - Modelling portfolio credit risk, Microeconometrics in Theory and Practice conference, Międzyzdroje, September 2005.
206 Jajuga K. - Towards a financial market model - history and contemporaneity, Conference of Chairs of Finance, Mikolajki, September 2005.
207 Jajuga K. - Models of univariate and multivariate data in statistical analysis, SKAD conference, Podlesice, September 2005.
208 Jajuga K. - Risk measurement in a bank and insurance company, Banking and Insurance Forum conference, Stare Jabłonki, September 2005.
209 Jajuga K. - New developments in finance and risk management, Financial investment and insurance conference, Szklarska Poręba, October 2005.
210 Jajuga K. - Derivative instruments in mortgage loan risk management, Congress of Real Estate Finance Conference, Warsaw, November 2005.
211 Jajuga K. - Advanced credit risk modelling, conference Mathematical methods in finance and insurance, Ustroń, November 2005.
212 Jajuga K. - Multivariate extreme value analysis, GfKl conference, Berlin, March 2006.

213 Jajuga K. - 25 years of financial econometrics, Effective Investing Conference, Kolobrzeg, April 2006.
214 Jajuga K. - Multivariate modelling and measures of risk, Effective Investing Conference, Kolobrzeg, April 2006.
215 Jajuga K. - Research and education in risk management at the leading universities, Enterprise Risk Management conference, Chicago, April 2006.
216 Jajuga K. - Financial theory and the practice of financial markets, Wall Street conference, Zakopane, June 2006.
217 Jajuga K. - Credit risk management - the importance of modelling and information, BIK conference, Warsaw 2006.
218 Jajuga K. - Modelling and measurement of credit risk in the mortgage loan portfolio, Financing the Real Estate Market conference, Zalesie Górne, June 2006.
219 Jajuga K. - Copula methods in financial data analysis, IFCS-2006 conference, Ljubljana, July 2006.
220 Jajuga K. - Transformations on financial markets - theory and practice, Poland and the world, Conference of Chairs of Finance, Lublin, September 2006.
221. Jajuga K. - From multivariate distribution to data analysis - model based clustering, SKAD conference, Wisła, September 2006.
222. Jajuga K., Sokołowski A., Gatnar E. - IFCS-2006 Ljubljana - some reflections, SKAD conference, Wisła, September 2006.
223. Jajuga K., Walesiak M. - Facts and reflections on taxonomic conferences, SKAD conference, Wisła, September 2006.
224 Jajuga K. - Development of financial markets - an opportunity and a challenge for the economy, Financing regional development conference, Chorzów, September 2006.
225 Jajuga K. - Application of extreme value analysis in portfolio analysis, Financial investment and insurance conference, Szklarska Poręba, September 2006.
226 Jajuga K. - Financial market in Poland, current trends of change, conference New legal order on the capital market, Wrocław, October 2006.
227 Jajuga K. - Multivariate distributions in financial data analysis - systematization and applications in portfolio approach, Multivariate Statistical Analysis conference, Łódź, November 2006.
228 Jajuga K. - On some advanced concepts and tools commonly applied in financial practice, Ukraine - Slovakia - Poland conference, Svaty Jur, November 2006.
229 Jajuga K. - Real estate market investments - risk management issues, Real estate finance congress conference, Warsaw, November 2006.
230 Jajuga K. - Finance - classical achievements and contemporary trends, conference Finance as a subject of interdisciplinary research, Zakopane, March 2007.
231 Jajuga K. - Enterprise risk management - systematization and implementation issues, conference Financial management of companies, Międzyzdroje, April 2007.
232 Jajuga K. - Derivatives in exchange rate and interest rate risk management, Conference on Managing exchange rate risk in the enterprise, Warsaw, April 2007.

233 Jajuga K. - Modelling credit risk, Banking and Insurance Forum conference, High Village, May 2007.
234 Jajuga K. - Modelling and measurement of credit risk in the mortgage loan portfolio, Financing the Real Estate Market conference, Zalesie Górne, June 2007.
235 Jajuga K. - Financial econometrics, 25 years later, Dynamic econometric models conference, Toruń, September 2007.
236 Jajuga K. - Statistical parameters underlying link analysis, SKAD conference, Krynica, September 2007.
237 Jajuga K. - New trends in financial investments, Financial investments and insurance conference, Szklarska Poręba, September 2007.
238 Jajuga K. - Derivatives in risk management, conference Derivatives in financial risk management, Warsaw, October 2007.
239 Jajuga K. - Risk credit modelling - systematization issues, Conference on Mathematical Methods in Finance and Insurance, Ustroń, November 2007.
240 Jajuga K. - Competitiveness of the Polish derivatives market and prospects for its development, CEE Derivatives Forum conference, Warsaw, November 2007.
241 Jajuga K. - House price index - issues of modelling, Congress of Real Estate Finance Conference, Warsaw, November 2007.
242 Jajuga K. - Mortgage backed securities, problems of valuation and risk analysis, Corporate Finance Management Conference, Międzyzdroje, April 2008.
243 Jajuga K. - New tendencies in financial management of individuals, Financial market conference, Nałęczów, June 2008.
244 Jajuga K. - Property derivatives: problems of valuation and risk analysis, European Real Estate Society conference, Krakow, June 2008.
245 Jajuga K. - Risk of mortgage loan financing - measurement and hedging, European Real Estate Society conference, Krakow, June 2008.
246 Jajuga K. - Thirty years of contemporary behavioural finance, Effective Investing Conference, Kolobrzeg, September 2008.
247 Jajuga K., Jajuga G. - Structured instruments - an introduction to valuation and risk analysis, Skuteczne inwestowanie conference, Kołobrzeg, September 2008.
248 Jajuga K. - Financial market stability - classic problems and new challenges, Financial investment and insurance conference, Wrocław, September 2008.
249 Jajuga K. - Real estate investment and financial market risk, Risk in investment activities conference, Ustroń, September 2008.
250 Jajuga K., Jajuga G. - Forecasting volatility, CEE Derivatives Forum conference, Warsaw, November 2008.
251 Jajuga K. - Financial market, new challenges, conference Insurance against the challenges of the 21st century, Czerniejewo, November 2008.
252 Jajuga K. - Housing price index and risk management, Real estate finance congress conference, Warsaw, December 2008.

253 Jajuga K. - Requirements for candidates in the evaluation of achievements in postdoctoral and professorial chairs, conference Research in economic sciences, Warsaw, April 2009.
254 Jajuga K. - Financial market - or new mechanisms of functioning, Financial market conference, Nałęczów, June 2009.
255 Jajuga K. - The functioning of financial markets, new mechanisms or deja vu, Wall Street conference, Zakopane, June 2009.
256 Jajuga K. - On some world standards in the didactics of finance, conference Dydaktyka finansów, Kudowa, June 2009.
257 Jajuga K. - Financial crisis and financial econometrics, Dynamic econometric models conference, Toruń, September 2009.
258 Jajuga K. - Science of finance and practice of financial markets, Global challenges conference, Wrocław, September 2009.
259 Jajuga K. - Clustering financial time series, Symposium on Data Analysis and Applications conference, Aachen, October 2009.
260 Jajuga K. - Quantitative analysis of financial markets, review of approaches, Modeling risks conference, Pardubice, October 2009.
261 Jajuga K. - Evaluating investment management performance - application of an external benchmark to pension funds, Multifundszowość w systemie emerytalnym conference, Warsaw, January 2010.
262 Jajuga K. - Professor Pawłowski on forecasting, Southern Poland conference, Podlesice, March 2010.
263 Jajuga K. - The financial market - can we manage risk better, Banking and Insurance Forum conference, Ryn, May 2010.
264 Jajuga K. - 45 years of efficient capital market theory, Effective Investing Conference, Międzyzdroje, September 2010.
265 Jajuga K. - Some standards in the portfolio performance evaluation, conference Effective Investing, Międzyzdroje, September 2010.
266 Jajuga K. - Volatility measures in the analysis of financial markets, Global challenges conference, Vilnius, September 2010.
267 Jajuga K. - Do we need to write new textbooks on finance - lessons from the crisis, Financial investment and insurance conference, Kudowa, September 2010.
268 Jajuga K. - Growth and development of derivatives in CEE market, CEE Derivatives Forum conference, Warsaw, November 2010.
269 Jajuga K. - Long term financing real estate market, Congress of real estate financing conference, Józefów, November 2010.
270 Jajuga K. - Is the new shape of economic and financial education, Challenges of economic and financial education conference, Warsaw, December 2010.
271 Jajuga K. - Challenges in the area of financial planning for individuals, Investment and Insurance Forum conference, Otrębusy, April 2011.
272. Jajuga K. - Volatility clustering - review of approaches and some selected applications, Symposium on Data Analysis and Applications conference, Krakow, April 2011.

273. Jajuga K. - Growth and development of the structured product market in the CEE region, CEE Structured Products conference, Warsaw, May 2011.
274 Jajuga K. - The National Qualifications Framework for Finance, Dydaktyka finansów conference, Wrocław, June 2011.
275. Jajuga K., Walesiak M. - XXV years of taxonomic conferences, facts and reflections, SKAD conference, Wągrowiec, September 2011.
276 Jajuga K. - Some new challenges for financial regulation, conference New model of regulatory activity, Krynica, October 2011.
277 Jajuga K. - Development of Polish statistical thought in economic sciences, Congress of Polish Statistics conference, Poznań, April 2012.
278 Jajuga K. - Capital market equilibrium - half a century of CAPM family history, Effective Investing conference, Międzyzdroje, September 2012.
279 Jajuga K. - Derivatives - beauty or beast, CEE Derivatives Forum conference, Warsaw, September 2012.
280 Jajuga K. - The importance of real estate in personal finance management - analysis of the investment process, Real estate market conference, Warsaw, November 2013.
281 Jajuga K. - Financial market - ethical standards and legal regulations, Entrepreneur in social market economy conference, Wrocław, November 2013.
282 Jajuga K. - Financial science - new methodological challenges, Congress of Polish Economists, Warsaw, November 2013.
283 Jajuga K. - The financial market and the development of the economy - lessons for Poland, conference Competitiveness of the Polish capital market, Bukovina, March 2014.
284 Jajuga K. - Model risk and financial reporting - expectations of investors, Financial Management - theory and practice conference, Wrocław, May 2014.
285 Jajuga K. - Real estate as a sub-discipline of science - links with finance theory, Investment and real estate conference, Sopot, June 2014.
286 Jajuga K. - From classical models to multidisciplinary approach - the chance to reduce model risk in finance?, Classical and behavioural finance conference, Łódź, June 2014.
287 Jajuga K. - Big Data and Ultra High Frequency Data - or a revolution in data analysis tools, SKAD conference, Międzyzdroje, September 2014.
288 Jajuga K. - 80 years of fundamental analysis, Effective Investing conference, Międzyzdroje, September 2014.
289 Jajuga K. - In search of measures of financial risk, Conference of Chairs of Finance, Krynica, September 2014.
290 Jajuga K. - Data analysis in finance - review of approaches and tendencies, Advanced Analytics and Data Science conference, Warsaw, October 2014.
291 Jajuga K. - Discussion on the paper European Bank Efficiency and Convergence with Undesirable Outputs: A disaggregated approach, American Economic Association conference, Boston, January 2015.
292 Jajuga K. - Regulation and risk assessment, Entrepreneur in a social market economy conference, Wrocław, March 2015.

293 Jajuga K. - Systemic risk management, Modelling and forecasting of the national economy conference, Sopot, May 2015.
294 Jajuga K. - Enterprise risk management - perspective of investor, Corporate governance conference, Gdansk, May 2015.
295 Jajuga K. - Big Data - or a new challenge for analytics, Mynarski Workshop Conference, Wrocław, May 2015.
296 Jajuga K. - Global economic perspectives - some remarks, Global Economic Perspectives conference, Warsaw, May 2015.
297 Jajuga K. - Financial stability - challenges for theory and economic practice, Conference on Corporate Financial Management, Wrocław, May 2015.
298 Jajuga K. - Application of Extreme Value Theory in the measurement of household investment risk, IFCS conference, Bologna, July 2015.
299 Jajuga K. - Dynamic integrated risk measurement in private wealth management, CFA Partners Conference, Edinburgh, July 2015.
300 Jajuga K. - Systemic risk measurement - challenges for theory and practice, Dynamic econometric models conference, Toruń, September 2015.
301 Jajuga K. - Long-term investments, an opportunity for the economy and the capital market, Capital market for the development of the Polish economy conference, Bukowina, March 2016.
302 Jajuga K. - Property risk - investing and valuation, Property Valuers Conference, Katowice, March 2016.
303 Jajuga K. - Modelling financial risk, Mathematics and computer science at the service of economics conference, Poznań, April 2016.
304. Jajuga K, Pietrzyk R., Rokita P. - Risk in household financial planning - specifics and types, Financial Management Conference, Kołobrzeg, April 2016.
305 Jajuga K. - Transitions in the global economy - their impact on the financial market, Wall Street Conference, Karpacz, June 2016.
306 Jajuga K. - Environmental assets and the financial market, Economics and Environment Conference, Wrocław, June 2016.
307 Jajuga K. - Systemic risk and financial stability measurement, CFA Partners Conference, Vancouver, July 2016.
308 Jajuga K. - Changes in the global financial market - the perspective of the next quarter century, Effective Investing Conference, Międzyzdroje, September 2016.
309 Jajuga K. - Time, return and probability - a different take on investment theory, Effective Investing Conference, Międzyzdroje, September 2016.
310 Jajuga K. - Contemporary trends and challenges in financial risk management, Financial institutions risk conference, Warsaw, September 2016.
311 Jajuga K. - Risk management in the enterprise, Financial controlling summit conference, Warsaw, September 2016.
312 Jajuga K. - Financial market in Europe - perspectives and factors of development, conference Challenges of economic integration, Warsaw, September 2016.

313 Jajuga K. - What will drive financial markets in next decade, Financial and Banking Forum conference, Warsaw, November 2016.
314 Jajuga K. - Measuring systemic risk and financial stability, Business and Finance after crisis conference, Szczecin, December 2016.
315 Jajuga K. - New challenges in corporate risk management, Financial management conference, Kolobrzeg, March 2017.
316 Jajuga K. - Mathematical modelling in economic sciences - trends and challenges, Southern Poland Conference, Kraków, April 2017.
317 Jajuga K. - Risk in global world - challenges for theory and practice, Business risk in changing dynamics of global village conference, Nysa, April 2017.
318 Jajuga K. - Big Data - a new quality in data analysis, Data Source Integration Processes Conference, Szczecin, June 2017.
319 Jajuga K. - Financial markets of the future - what the technological revolution may bring, Wall Street Conference, Karpacz, June 2017.
320 Jajuga K. - Measuring geopolitical risk, European Financial Congress conference, Sopot, June 2017.
321 Jajuga K. - Financial markets of the future, Investment Funds Forum conference, Warsaw, June 2017.
322 Jajuga K. - Tail risk measurement and its application in finance, IFCS conference, Tokyo, August 2017.
323 Jajuga K. - New challenges in investment in financial markets, Microeconometrics in theory and practice conference, Pogorzelica, September 2017.
324 Jajuga K. - Corporate finance - some challenges for research and didactics, 70 years NE conference, Wrocław, September 2017.
325 Jajuga K. - What will drive economy and financial markets in nearest future and how it can influence social policy, Social Policy Conference, Wrocław, September 2017.
326 Jajuga K. - Drivers and challenges of financial sciences - evolution or revolution?, Directions of research on contemporary financial phenomena conference, Arłamow, October 2017.
327 Jajuga K. - Will Fintech change the shape of today's financial markets, Capital market conference for supporting the development of an innovative economy, Bukovina, March 2018.
328 Jajuga K. - Economic sciences - dilemmas of classification of disciplines - trends of change, conference Evolution of economic sciences, Warsaw, March 2018.
329 Jajuga K. - Ethics in the financial market, Investment Funds Forum conference, Warsaw, June 2018.
330 Jajuga K. - FINTECH revolution - will it change the art and science of investing?, Effective Investing conference, Międzyzdroje, September 2018.
331 Jajuga K. - New types of risk - challenges to manage (un)knowns, European Risk Research Network conference, Katowice, September 2018.
332 Jajuga K. - Risk analysis - the key to success in investing, CFA Talent Conference, Warsaw, October 2018.

333 Jajuga K. - Multivariate extreme value analysis - theory and selected financial applications, Multivariate Statistical Analysis conference, Łódź, November 2018.
334 Jajuga K. - Financial education - challenges in rapidly changing world, Financial and Banking Forum conference, Jachranka, November 2018.
335 Jajuga K. - Discussion on the paper Inequality, Autocracy and Sovereign Wealth Funds as determinants of Foreign Portfolio Equity Flows, American Economic Association conference, Atlanta, January 2019.
336 Jajuga K. - Fintech revolution - how it changes research and teaching?, Financial Management Conference, Kolobrzeg, March 2019.
337 Jajuga K. - Fintech in the financial market - shock, disruption or a new era in investment, Wall Street Conference, Karpacz, June 2019.
338 Jajuga K. - How technological change will change financial markets, Od teorii pieniądza do rynków finansowych conference, Poznań, June 2019.
339 Jajuga K. - Will fintechs change the face of the financial market: opportunities, possibilities, barriers, Investment Funds Forum conference, Warsaw, June 2019.
340 Jajuga K. - Development of financial sciences - global trends and new Polish regulations, Conference of Chairs of Finance, Jachranka, September 2019.
341 Jajuga K. - Data Science versus Data Analysis - new area or new clothes?, SKAD conference, Szczecin, September 2019, presentation.
342 Jajuga K. - Alternative investments, systematics, trends in the global financial market, Alternative investments conference, Lublin, November 2019.
343 Jajuga K. - Trends in the Development of Financial Market - Impact of Technology, Financialization and society conference, Rzeszów, December 2019.
344 Jajuga K. - Man and the environment - the importance of economic sciences for sustainable development, Made in Wrocław conference, Wrocław, October 2020.
345 Jajuga K. - Challenges in teaching quantitative tools to finance majors, Dydaktyka matematyki conference, Wrocław, November 2020.
346 Jajuga K. - Professional financial adviser, EFPA Congress conference, Warsaw, November 2020.
347 Jajuga K. - Alternative investments, IDM Capital Market conference, Warsaw, March 2021.
348 Jajuga K. - Long-term saving and the advisory service, Long-term saving conference, Warsaw Virtual, April 2021.
349 Jajuga K. - New technology in financial markets - challenges and opportunities for financial models, Financial Mathematics Conference, Krakow, April 2021.
350 Jajuga K. - Technology and man in the financial market - contemporary trends, Humanistic Economics conference, Krakow, April 2021.
351 Jajuga K. - Socially responsible investment, OEES conference refining business, Warsaw, April 2021.
352 Jajuga K. - Technological transformations and their impact on research and didactics in economic sciences, Quo Vadis oeconomia conference, Wrocław, May 2021.

353 Jajuga K. - Assessing the cost of capital, credit deleveraging conference, Warsaw Virtual, May 2021.
354 Jajuga K. - Risk management - new challenges, Risk and safety management conference, Opole, June 2021.
355 Jajuga K. - Financial market distortions and the financial crisis, Anatomy of a crisis conference, Białystok, June 2021.
356 Jajuga K. - Defining ethical boundaries of technology, ABSL conference, Gdansk, September 2021.
357 Jajuga K. - Supervisory board - the viewpoint of financial analysts and investors, Supervisory Board Conference, Warsaw, Virtual, October 2021.
358 Jajuga K. - Taxonomy of mathematical methods in finance - transformations and challenges, Southern Poland Conference, Katowice, Virtual, April 2022.
359 Jajuga K. - ESG investments, 365 Timing conference, Wrocław, May 2022.
360 Jajuga K. - Valuation models for real estate investment - concepts and risks, conference of the Association of Property Valuers, Wrocław, September 2022.
361 Jajuga K. - Alternative investments - breakthrough or mere evolution? Alternative investments conference, Lublin, September 2022.
362 Jajuga K. - Cyber risk - a new (?) challenge for the economy and the financial market, Conference World Economy, Challenges of the 21st Century, Baranów, December 2022.
363 Jajuga K. - Risks of the robo-consultancy model for the individual investor, conference Innovations in finance and banking, Lublin, June 2023.
364 Jajuga K. - Cyber risks - opportunities and threats for science and practice, conference Economic development in economic theories, Bialystok, June 2023.
365 Jajuga K. - Artificial intelligence and research in financial sciences - opportunities and challenges, Conference of Chairs of Finance, Poznań, September 2023.
366. Jajuga K., Pociecha J., Walesiak M. - The Wrocław and Kraków centres and our Masters: Professor Zdzisław Hellwig Professor Kazimierz Zając - contributions to the development of methods of data classification and analysis, SKAD Conference, Katowice, September 2023.
367 Jajuga K. - Is certification needed in the capital market, Capital Market Regulations conference, Warsaw, October 2023.
368 Jajuga K. - Alternative investments - problems of portfolio management, Alternative investments conference, Lublin, October 2023.
369 Jajuga K. - Financial market and global risks, International Finance and Banking Forum Conference, Warsaw, November 2023.
370 Jajuga K. - Artificial intelligence, economics and psychology - a research perspective, Congress of Economic Psychology conference, Krakow, May 2024.
371 Jajuga K. - Enterprise risk management - new challenges for CFOs, Financial Leaders Congress conference, Warsaw, May 2024.
372 Jajuga K. - Technological development and research in economics and finance, evolution or revolution?, Quantitative methods in economic research conference, Warsaw, June 2024.

373 Jajuga K. - Mathematical methods in finance - milestones and new challenges, Prof. Stanisz jubilee conference, Krakow, June 2024.
374 Jajuga K. - Ethical Problems in the Use of Artificial Intelligence Tools in Statistical Research, Congress of Polish Statistics conference, Warsaw, July 2024.
375 Jajuga K. - Data science in finance - classification of areas and methods, IFCS conference, San Jose, July 2024.

Membership of foreign or international scientific societies, organisations and institutions:

International Federation of Classification Societies, President, since 2023
Member of the ABSL Advisory Board

- Committee, Council, Board Membership, Member of the Committee on Statistics and Econometrics of the Polish Academy of Sciences for the term 2024-208, In: Committee on Statistics and Econometrics of the Polish Academy of Sciences (**KSiE PAN**) / Polish Academy of Sciences (**PAN**), 2024 - 2028

Membership of expert teams:

- Membership of the Committee, Council, Board, Member of the Committee on Finance of the Polish Academy of Sciences for the term 2024 - 2028, In: Committee on Finance of the Polish Academy of Sciences (**KNoF PAN**) / Polish Academy of Sciences (**PAN**), 2024 - 2028
- Membership of committee, council, board, Member of the Scientific Statistical Council for the term 2020 - 2024, In: Scientific Statistical Council (**SPC**) / Central Statistical Office, 2020 - 2024.
- Membership in authorities and bodies of societies, organizations and institutions, President of the Committee on Statistics and Econometrics of the Polish Academy of Sciences for the term 2020 - 2023 , In: Committee on Statistics and Econometrics of the Polish Academy of Sciences (**KSiE PAN**) / Polish Academy of Sciences (**PAN**), 2020 - 2023
- Membership in authorities and bodies of societies, organisations and institutions, President of CFA Society Poland, In: CFA Society Poland, 2020 - **currently active**
- Member of the Scientific Advisory Committee to the Financial Ombudsman , In: Financial Ombudsman, 2023 - 2026

Activities:

1. Session leader, Increasingly younger passive investors as an opportunity for the Polish capital market, In: WallStreet Conference 27, 2023 Conference, 26-05-2023 - 28-05-2023, Karpacz, Poland, 2023

2. Participation in radio programme, 23:00 news, In: Radio ZET, 2024
3. Participation in radio programme, Evening from Lower Silesia: What year will 2023 be like and what awaits us in it?, In: Radio Wroclaw, 2023
4. Participation in radio programme, Evening from Lower Silesia: GetBack affair, In: Radio Wrocław, 2022
5. Participation in TV programme, Business Evening 07.06.2024, In: Business24, 2024
6. Participation in TV programme, The future is now - 6, In: TVP 3 Wrocław / Telewizja Polska (TVP), 2024
7. Contributing to TV programme, On the WSE a breather or the end of a bull market?, In: Business24, 2023
8. Participation in online media interview, Artificial intelligence and finance - Professor Krzysztof Jajuga | Finance masterclasses #2, In: Financial Advocate, 2024
9. Participation in online media interview, What will determine the outcome of this year's US election?, In: Echo24 Television (Echo24), 2024
10. Share in online media interview, Artificial intelligence in the wrong hands can pose a serious threat. More awareness of creators and users and tough regulations are needed, In: Newseria Business / Newseria News Agency, 2024
11. Participation in online media interview, What is artificial intelligence? Opportunities and risks of AI, In: Echo24 Television (Echo24), 2024
12. Contributing to the online media interview, Time for Economics - Nobel Prize. We explain what you get one for, In: Echo24 Television (Echo24), 2024
13. Participation in online media interview, Why do women earn less? "Pioneering research", In: Interia Business / Interia, 2023.
14. Share in online media interview, Poland will have a problem. Public finances will come under EU supervision [OPINION], In: FX MAG, 2023
15. Participation in online media interview, KNF no reproach for Bedzin trade. Rightly absolved, In: Business24, 2023
16. Participation in online media interview, Time for the economy - NATO Innovation Fund. What is it all about?, In: Echo24 Television (Echo24), 2023
17. Participation in online media interview, Time for the economy - How to ensure energy security and not forget climate change, In: Echo24 Television (Echo24), 2022
18. Participation in online media interview, Time for the economy - "Food and energy have become most expensive", In: Echo24 Television (Echo24), 2022
19. Participation in online media interview, Time for the economy - What will 2023 be like?, In: Echo24 Television (Echo24), 2022
20. Participation in online media interview, Time for the economy - What changes await us in the financial market?, In: Echo24 Television (Echo24), 2022
21. Contributing to online media interview, Time for the economy - War in Ukraine will hit all economies, In: Echo24 Television (Echo24), 2022
22. Participation in online media interview, Time for the economy - The role of the business services sector is growing, In: Echo24 Television (Echo24), 2022

23. Participation in online media interview, Time for the economy - Is technological change a threat to us?, In: Echo24 Television (Echo24), 2021
24. Participation in online media interview, Time for the economy - What will be the areas of risk for the coming years?, In: Echo24 Television (Echo24), 2021
25. Contributing to Press interview, A time of irresponsible promises, In: Bank. Financial Monthly, 2023
26. Contributing to the press interview, They don't guarantee profit, but they are safe options, In: Rzeczpospolita (RP), 2022 - now active

Practical application of research or development results:

Over the past 30-plus years, Krzysztof Jajuga has demonstrated a strong track record of collaboration with practice, creating, in a sense, a model of such collaboration for the academic financial community. In 2004, Krzysztof Jajuga created a professional association, the CFA Society Poland, which currently brings together over 700 financial market professionals. He has been chairman of the board of this association since its inception, and one of the most important achievements of this association is the promotion of ethical activities in the financial market.
He is also a member of the Advisory Board of the Association of Business Services Leaders - an organisation of companies that employ around 500,000 people in Poland. In addition, he is a member of the Advisory Scientific Committee to the Financial Ombudsman.

PhDs promoted or staff training:

Krzysztof Jajuga has a very strong track record in training academic staff. To date, he has promoted 54 doctors of economic sciences. Among these are also 11 from abroad. He is currently supervising several people preparing doctoral dissertations. Krzysztof Jajuga is very active in the area of reviewing doctoral theses, postdoctoral achievements and achievements in proceedings for the conferment of the academic title of professor. In total, he has prepared:
- 90 reviews of doctoral theses;
- 221 reviews in chairs and habilitation proceedings;
- 7 reviews in proceedings for the award of the title of professor.

In addition to this, Krzysztof Jajuga has carried out output reviews for the Central Commission for Degrees and Titles. In total, he has produced:
- 66 reviews of doctoral theses;
- 34 reviews of output in postdoctoral chairs;

- 49 reviews in proceedings for the award of the title of professor.

Number of PhD students promoted:

54

Dr. hab. Prof. WUEB

Paweł Kuśmierczyk

Wrocław University of Economics and Business

- Doctorate in: field of Economic sciences/Economics, 2002
- Doctor habilitatus of Economics, 2015

Functions held (current and past):

- Head of the Department of Mathematical Economics, member of the Discipline Scientific Council at the Faculty of Economics and Finance, currently
- Member of the Council of the Doctoral School of the Wrocław University of Economics and Business (from 2019 to 2024), Member of the Supervisory Board of Logintrade S.A. (from 2013 to 2020)

Author or co-author of a scientific monograph / scientific monographs:

1. Efektywność odwrotnych mechanizmów aukcyjnych i quasi-aukcyjnych, Monografie i Opracowania - Uniwersytet Ekonomiczny we Wrocławiu, no 225, 2013, Wrocław, Wrocław University of Economics and Business Publishing House, 282 s., ISBN 978-83-7695-271-0. Monografie i Opracowania - Uniwersytet Ekonomiczny we Wrocławiu, ISSN 2084-6193.
2. Dębicka Joanna, Kuśmierczyk Paweł, Łyko Janusz [et al.]: Wybrane modele matematyczne w ekonomii. Decyzje i wybory, 2013, Wrocław, Wrocław University of Economics and Business , 166 pp., ISBN 978-83-7695-363-2.

Authorship or co-authorship of scientific article(s)

- **Journal article from the current list:**

1. Kurach Radosław, Kuśmierczyk Paweł, Papla Daniel: Risk reduction in two-pillar mandatory pension system under regulatory constraints: simulation-based evidence from Poland, Applied Economics Letters, 2021, vol. 28, nr 3, pp. 191-195. DOI:10.1080/13504851.2020.1740154
2. Kurach Radosław, Kośny Marek, Kuśmierczyk Paweł [et al.]: What does 'Big Three' tell us about retirement planning skills?, Applied Economics Letters, 2021, vol. 28, nr 19, pp. 1703–1706. DOI: 10.1080/13504851.2020.1851646
3. Kurach Radosław, Kuśmierczyk Paweł, Papla Daniel: The optimal portfolio for the two-pillar mandatory pension system: the case of Poland, Applied Economics, 2019, vol. 51, no 23, pp. 2552-2565. DOI:10.1080/00036846.2018.1556773
4. Kuśmierczyk Paweł: (In) efficiency of auctions with the asymmetry of rights, Business and Economic Horizons, 2014, vol. 10, no 4, pp.223-237. DOI: 10.15208/beh.2014.19
5. Kuśmierczyk Paweł: Efficiency of the Reversed First-Price Sealed Bid Auctions with a Dynamic Run-Off. Results of Experiments, Central European Journal of Economic Modelling and Econometrics, 2015, vol. 7, no 3, pp. 151-167
6. Kośny Marek, Kurach Radosław, Kuśmierczyk Paweł: In state we trust: Evidence from Poland on why we undersave for retirement, Eastern European Economics, 2023, pp. 1-23. DOI: 10.1080/00128775.2023.2178460
7. Kurach Radosław, Kuśmierczyk Paweł, Papla: Can auctions help reduce mandatory pension fund fees?, Journal of Pension Economics & Finance, 2019, vol. 18, nr 2, pp.190-219. DOI: 10.1017/S1474747217000440
8. Kuśmierczyk Paweł: Efektywność przetargów z punktacją uzależnioną od średniej oferty, Prace Naukowe Uniwersytetu Ekonomicznego We Wrocławiu, 2017, nr 493, pp. 150-162. DOI: 10.15611/pn.2017.493.11
9. Kuśmierczyk Paweł: Pomiar krótko- i długookresowej efektywności mechanizmów aukcyjnych. Wyniki badań eksperymentalnych, Studia Ekonomiczne. Zeszyty Naukowe Uniwersytetu Ekonomicznego w Katowicach, 2014, nr 180/2, pp. 141-151
10. Jakubowski Rafał*, Afiliacja zewnętrzna publikacji: inna Kuśmierczyk Paweł: "Jazda na gapę" jako rezultat dopasowań do obserwowanego społecznego zaangażowania w wytwarzanie dobra publicznego - wyniki badań eksperymentalnych, Zeszyty Naukowe Wyższej Szkoły Bankowej we Wrocławiu, 2013, nr 2 (34), pp. 215-224

11. Kurach Radosław, Zmyślona Beata, Kośny Marek, Kuśmierczyk Paweł: Lifetime Annuity – Insurance or Risky Investment? Review of Behavioral Economics, ISSN 2326-6198, e-ISSN 2326-6201, 2025, tom 12, nr 1, pp. 17-37, DOI:10.1561/105.00000201

Authoring/co-authoring a book

1. Kuśmierczyk Paweł, Natalli Krzysztof, Dobrzański Paweł [et al]: Exercises in microeconomics and macroeconomics, Skrypty Uniwersytetu Ekonomicznego we Wrocławiu, 2018, Wrocław, Wrocław University of Economics and Business Publishing House, 75 p., ISBN 9788376957234

Contractor in a research project(s) funded through either a national or international competition:

From 2025: contractor in Visegrad Fund grant project, project #22430088 (Housing Market & Sustainability Issues Linked to Dominance of Housing Asset in Retirement Portfolios), 20.01.2025 - 20.07.2026

Awards and distinctions received (national and international):

Rector's Second Class Award for research achievements in 2019, 2020

Participation in programmes and training as a listener:

IBM SPSS AMOS training course (UEW, 2019)

Participation in programmes and training as a presenter:

Fundamentals of the experimental method in economic research, UEW, 31.05.2023

Presenting a scientific paper at the conference:

1. Bank of Finland's Financial Literacy Conference 12-13.06.2023, Helsinki, Finland, paper: On methodological problems with measuring (financial) knowledge. Are women truly less financially literate than men?

2. Economic Psychology, organised by the Academic Association of Social Psychology, Wrocław 18-19.05.203, paper: Risk attitudes and risky decisions of adult Poles. The results of the combined experimental and survey research
3. SIGMA Sympodium 2023/ 19th International Conference, Hitotsubashi University, 11-12.05.2023, Tokyo, Japan (online), paper: Are women truly less financially literate than men? On methodological problems with measuring knowledge.
4. WROFIN 2022, Wrocław University of Economics, 16-18.11.2022, Gola Dzierżoniowska, paper: Risk attitudes and risky decisions of adult Poles. The results of the combined experimental and survey research.

- **Unpublished conference proceedings:**

1. Kurach Radosław, Kuśmierczyk Paweł, Papla Daniel Daniel: How useful is life-cycle approach for pension assets management, 1-11 p., 2019, VI International Scientific Conference "Social security systems towards demographic, economic and technological challenges" 2019, **presentation**

Activities other:

- **Multimedia**

1. 5G concessions. Could more be achieved, 2024, YouTube (video)

Number of PhD students promoted:

2

Prof. Dr. hab.
Bogusława Drelich-Skulska

Wrocław University of Economics and Business

- ✓ PhD in economic sciences/economics, 1992
- ✓ Doctor habilitatus of Economics, 2003
- ✓ professor, title of professor of economic sciences, 2013

Bogusława Drelich-Skulska graduated in 1986 from the Oskar Lange Academy of Economics in Wrocław, defending at the Faculty of National Economy. She earned her doctorate in economics, specialising in international economic relations, in 1992 on the basis of her thesis *entitled Pro-export strategy for* the *development of South Korea* (supervisor: Jan Rymarczyk). She was habilitated in 2003 in economic sciences on the basis of the monograph *Evolution of Japan's foreign economic policy at the threshold of the 21st century*. In 2013, she was awarded the academic title of Professor of Economic Sciences.

Prof. Bogusława Drelich-Skulska's research interests include international economic relations and foreign trade, as well as development economics with a particular focus on economic policy issues in selected East Asian countries. The subject of her scientific research is also the formation of economic regionalism in East Asia at the macroeconomic and microeconomic level in the 21st century and the regional development of the European Union on the example of Lower Silesia.

She is the author or editor of 7 books and about 100 scientific articles. She also led the establishment of the Asia-Pacific Research Centre at WUEB. She is employed as a professor in the Department of International Economic Relations of the Faculty of Economics and Finance. She has held or holds numerous positions at the university

Since 2009, member of the Board of the Polish Society for International Studies. She is also active in the Polish Economic Society and the European Association for South-East Asian Studies. She was also a member of the Presidium of the Prognosis Committee Poland 2000 Plus of the Polish Academy of Sciences.

Professor Bogusława Drelich-Skulska, has participated, mainly as a team leader, in projects financed by the Jean Monnet Programme, the Polish Agency for Enterprise Development and the National Science Centre. She is the author and scientific editor of 8 books and over 100 scientific articles on economic and political processes in Asia. She is the originator and organiser of a series of international scientific conferences "Asia-

Pacific" addressing economic, political and social problems in this region of the world, which have been held since 2007. On her initiative, the Asia-Pacific Research Centre was established at the university in 2011. She has lectured at many foreign universities around the world, including in Switzerland, Japan, Australia, Estonia, the United Kingdom and the United States. Professor Bogusława Drelich-Skulska has promoted 16 PhDs, and three doctoral students are currently working under her scientific supervision.

Scientific specialisation:

- Green transformation in Poland and Europe
- economic policy
- economic integration processes in the Asia-Pacific region and in Europe
- international business
- Macro- and microeconomic aspects of international business
- competitiveness of selected economic sectors
- economic security
- innovation of selected economic sectors and countries

Functions held (current and past):

Functions performed at the Wrocław University of Economics:

- ✓ currently: Vice-Rector for International Cooperation (2024-2028)
- ✓ currently: Head of the Department of International Economic Relations at the Faculty of Economics and Finance
- ✓ Vice-Chancellor for Accreditation and International Cooperation (2016-2020, 2020-2024)
- ✓ Head of the Department of International Economic Relations
- ✓ Head of the International Cooperation Office at Wrocław University of Economics and Business(2012-2016)
- ✓ Deputy dean for teaching and full-time studies at the Faculty of Economics (2008-2012)
- ✓ Deputy dean for teaching and full-time studies at the Faculty of Economics (2005-2008)

She holds community positions as a member of national and international associations:

- ✓ Polish Society for International Studies
- ✓ Polish Economic Society
- ✓ European Association for South-East Asian Studies (EUROSEAS)

Selected publications:

- Ewolucja zagranicznej polityki ekonomicznej Japonii u progu XXI wieku, Wrocław 2002.
- Regionalizm ekonomiczny Azji Wschodniej: jedno spojrzenie - różne wymiary, Wrocław 2012.

Chapters from monographs

1. **Globalne łańcuchy wartości w Azji**

Bobowski Sebastian, Drelich-Skulska Bogusława, IN: Globalne łańcuchy wartości. Funkcjonowanie, dylematy, wyzwania / Drelich-Skulska Bogusława, Bobowski Sebastian, Pasierbiak Paweł (*ed.*), 2024, Wrocław,, pp. 117-139, ISBN 9788367899383, DOI:10.15611/2024.38.3.06

2. **Moving towards resilient value chains in East Asia**

Bobowski Sebastian, Drelich-Skulska Bogusława, In: Regional Cooperation and Resilience in East Asia / Bobowski Sebastian (*ed.*), 2024, London, Routledge, pp.74-100, ISBN 9781003458357. DOI:10.4324/9781003458357-5

3. **Perspektywy rozwoju globalnych łańcuchów wartości**

Drelich-Skulska Bogusława, Bobowski Sebastian, Marcinkowski Jakub, IN: Globalne łańcuchy wartości. Funkcjonowanie, dylematy, wyzwania / Drelich-Skulska Bogusława, Bobowski Sebastian, Pasierbiak Paweł (*ed.*), 2024, Wrocław, s.180-200, ISBN 9788367899383. DOI:10.15611/2024.38.3.09

4. **Rozwój gospodarki wodorowej w Polsce jako kierunek transformacji energetycznej**

Drelich-Skulska Bogusława, Brusiło Paweł, Jankowiak Anna H., IN: Polska gospodarka wobec nowych wyzwań w trzeciej dekadzie XXI wieku / Przeździecka Eliza, Ambroziak Adam A., 2024, Warszawa, pp.139-159, ISBN 9788380306653

5. **The Culture of Responsibility of a University as the Factor Stimulating Implementation of the Principles of Sustainable Development by Entrepreneurs and Consumers**

Drelich-Skulska Bogusława, Sobocińska Magdalena, Domiter Małgorzata, In: The Importance of Universities for Society and Economy. The Experience of Researchers from the Visegrád Group / Drelich-Skulska Bogusława, Sobocińska Magdalena, Tomaskova Andrea (*eds.*), 2024, Wrocław, p.17-31, ISBN 9788367899918. DOI:10.15611/2024.92.5.01

6. **Transformacja energetyczna w Unii Europejskiej w latach 1990–2021**

Drelich-Skulska Bogusława, Brusiło Paweł, IN: Droga do zrównoważonej gospodarki światowej / Cabańska Judyta, Czyżewska-Misztal Dorota, Mazur Grzegorz (*ed.*), 2024, Uniwersytet Ekonomiczny w Poznaniu, pp.53-68, ISBN 9788382112443. DOI:10.18559/978-83-8211-245-0/4

7. **Współpraca handlowa Unii Europejskiej z krajami ASEAN w XXI wieku**

Drelich-Skulska Bogusława, Bobowski Sebastian, IN: 20 lat Polski w Unii Europejskiej. Doświadczenia i wyzwania. Księga jubileuszowa Profesor Ewy Pancer-Cybulskiej / Szostak Ewa, Baran Bernadeta, Olipra Łukasz (*ed.*), 2024, Wrocław, pp. 25-34, ISBN 9788367899833. DOI:10.15611/2024.84.0.01

8. **Areas of social impact of top-listed universities worldwide**

Rojek-Nowosielska Magdalena, Drelich-Skulska Bogusława, Jankowiak Anna H., In: Social Impact, Organizations and Society. The Contemporary Role of Corporate Social Responsibility / Bachnik Katarzyna *[et al]* (*eds.*), 2024, New York, Routledge, pp.143-152, ISBN 9781003480952 DOI:10.4324/9781003480952-14

2023

1. **Globalne łańcuchy wartości w dobie pandemii COVID-19**

Drelich-Skulska Bogusława, Bobowski Sebastian, IN: Polska w obliczu szans i zagrożeń w globalnej gospodarce / Przeździecka Eliza, Cygler Maciej (*ed.*), 2023, Warszawa,, pp.131-146, ISBN 9788380306042

2. **Uwarunkowania i formy dyplomacji kulturalnej Polski i Czech w kontekście przechodzenia od dyplomacji tradycyjnej do dyplomacji publicznej**

Drelich-Skulska Bogusława, Sobocińska Magdalena, IN: Ekonomiczne, zarządcze i społeczno-kulturowe wymiary relacji polsko-czeskich / Drelich-Skulska Bogusława, Sobocińska Magdalena, Tomášková Andrea (*ed.*), Wrocław, pp.29-46, ISBN 9788367400664. DOI:10.15611/2023.67.1.01

3. **The Effects of Digital Economy on International Trade: An Empirical Analysis of EU Countries Panel Data**

Dziubanovska Nataliia, Maslii Vadym, Krysovatyy Andriy *[et al]*, In: Advanced Computer Information Technologies ACIT'2023, International Conference on Advanced Computer Information Technologies, 2023, Wrocław, Institute of Electrical and Electronics Engineers (IEEE), p.216-219, ISBN 9798350311662. DOI:10.1109/ACIT58437.2023.10275723

2022

Conference materials

1. **Investment Regimes in East Asia - The Perspective of The ASEAN Economic Community (AEC) And Regional Comprehensive Economic Partnership (RCEP)**

Bobowski Sebastian, Drelich-Skulska Bogusława, In: Business Success and Innovation Management: A 2025 Vision to Sustain Economic Development During Global Crisis .Proceedings of the 40th International Business Information Management Association Conference (IBIMA) / Soliman Khalid PP. (*ed.*), 2022, International Business Information Management Association (IBIMA), pp.916-924, ISBN 9798986771908

2021
Chapters from monographs

1. **Relacje handlowe UE z Australią, Indiami i Japonią**

Drelich-Skulska Bogusława, Bobowski Sebastian, IN: Demokratyczny Diament Bezpieczeństwa – budowa nowego ładu pacyficznego / Kuźniar Andżelika (*ed.*), 2021, Warszawa, pp.73-124, ISBN 9788382353198

2. **From cybersecurity to economic security – the EU and the Polish perspective**

Drelich-Skulska Bogusława, Brusiło Paweł, IN: Current Trends in the Global Economy. From the Perspective of Japanese and Polish Economists / Drelich-Skulska Bogusława, Okawara Mami Hiraike (*ed.*), 2021, Wrocław, pp.73-104, ISBN 9788376958835

3. **Photovoltaic cells industry in China: Industrial policy and revealed comparative advantage in the XXI century**

Drelich-Skulska Bogusława, Brusiło Paweł, IN: Challenges in Economic Policy, Business and Management in the COVID-19 Era / Ujwary-Gil Anna, Godlewska-Dzioboń Bianka (*ed.*), 2021, Nowy Sącz, pp.111-138, ISBN 9788361597803

2020
Chapters from monographs

1. **Enterprise networks and clusters in the global economy. Przyczynek do rozważań teoretycznych** Drelich-Skulska Bogusława, Jankowiak Anna H., IN: Współczesna gospodarka w sieci międzynarodowych powiązań - aktorzy, rynki, współzależności i zagrożenia / Grącik-Zajączkowski Małgorzata, Stryjek Joanna (*ed.*), 2020, Warszawa, , pp.531-540, ISBN 9788380304055.

2. **The European Union as a Platform for the European NGOs' Operations: Market Versus Democracy**
Drelich-Skulska Bogusława, Domiter Małgorzata, In: Eurasian Economic Perspectives. Proceedings of the 28th Eurasia Business and Economics Society Conference / Bilgin Mehmet Huseyin *[et al]* (*eds.*), Eurasian Studies in Business and Economics, 2020, vol. 15, no. 1, Cham, Springer, pp.155-167, ISBN 9783030485306. DOI:10.1007/978-3-030-48531-3_11
Abstract (original work published in abstracts)

3. **The European Union (EU) - Japan Economic Partnership Agreement (EPA). An Analysis of Intra-Industry Trade and Strategic Implications** Bobowski Sebastian, Drelich-Skulska Bogusława, In: 31st EBES Conference Program and Abstract Book, 2020, Istanbul - Turkey, EBES, p.54-54, ISBN 9786058004214

Conference materials

1. **Economic Security and Contemporary Trade Policy: A Contribution to Discussion**

Domiter Małgorzata, Drelich-Skulska Bogusława, In: Education Excellence and Innovation Management: A 2025 Vision to Sustain Economic Development during Global Challenges / Soliman Khalid S. (*ed.*), 2020, International Business Information Management Association (IBIMA), pp.1035-1043, ISBN 9780999855141

2019

Chapters from monographs

1. **EU-China Cluster Collaboration Initiative - The Role of Clusters in Economic Development** Drelich-Skulska Bogusława, Jankowiak Anna H., In: Opportunities and Challenges. Sustainability of China-EU Relations in a Changing World / Shi Jian, Heiduk Guenter (*eds.*), The Challange for the Development of European Integration: Behind the Multiple Crises, 2019, Beijing, China Social Sciences Press, pp.159-188, ISBN 9787520344647

2019

Conference materials

1. **Reshaping Global Production Networks in the Asia-Pacific Region**

Drelich-Skulska Bogusława, Jankowiak Anna H., Mazurek Szymon, In: Vision 2025: Education Excellence and Management of Innovations through Sustainable Economic Competitive Advantage. Proceedings of the 34th International Business Information Management Association Conference (IBIMA) / Soliman Khalid S. (*ed.*), 2019, International Business Information Management Association, pp.10742-10752, ISBN 9780999855133

2. **The Role of Japan in East Asian Regionalism in the 21st century**

Drelich-Skulska Bogusława, Jankowiak Anna H., Mazurek Szymon, In: Vision 2025: Education Excellence and Management of Innovations through Sustainable Economic Competitive Advantage. Proceedings of the 34th International Business Information Management Association Conference (IBIMA) / Soliman Khalid S. (*ed.*), 2019, International Business Information Management Association, pp.10956-10974, ISBN 9780999855133

2018

Conference materials

1. **International production networks in auto industry in the 21st century. The case of ASEAN**

Drelich-Skulska Bogusława, Bobowski Sebastian, In: The 12th International Days of Statistics and Economics : Conference Proceedings / Loster Tomas, Pavelka Tomas (*eds.*), 2018, Prague, MELANDRIUM, pp.404-413, ISBN 9788087990148

2. **The role of ASEAN in asian regionalism in the 21st century**
Drelich-Skulska Bogusława, In: New Challenges of Economic and Business Development - 2018: Productivity and Economic Growth. Proceedings, 2018, Riga, University of Latvia, pp.167-176, ISBN 9789934183447

2017

Chapters from monographs

1. **Cła i procedury celne**
Drelich-Skulska Bogusława, IN: Handel zagraniczny: organizacja i technika / Rymarczyk Jan (*ed.*), 2017, Warszawa, pp. 270-331, ISBN 9788320822786

2. **Instytucje regulujące i wspierające handel zagraniczny**
Drelich-Skulska Bogusława, Jankowiak Anna H., IN: Handel zagraniczny: organizacja i technika / Rymarczyk Jan (*ed.*), 2017, Warszawa, pp. 55-77, ISBN 9788320822786

3. **Rola rządu Japonii w innowacyjnej polityce klastrowej w XXI wieku**
Drelich-Skulska Bogusława, Bobowski Sebastian, Jankowiak Anna H. *[et al.],* IN: Innowacyjność i konkurencyjność międzynarodowa. Nowe wyzwania dla przedsiębiorstw i państwa / Janowska Anna Aneta *[et al.]* (*ed.*), 2017, Warszawa, pp.123-150, ISBN 9788380301658

4. **Ubezpieczenia w obrocie gospodarczym z zagranicą**
Drelich-Skulska Bogusława, Jankowiak Anna H., IN: Handel zagraniczny: organizacja i technika / Rymarczyk Jan (*ed.*), 2017, Warszawa, pp.366-393, ISBN 9788320822786

2016

Chapters from monographs

1. **Changes in international production networks in East Asia**
Drelich-Skulska Bogusława, Jankowiak Anna H., Mazurek Szymon *[et al.],* IN: Logistyka i zarządzanie łańcuchem dostaw wobec wyzwań gospodarki światowej / Bentyn Zbigniew, Szymczak Maciej (*ed.*), 2016, Poznań, pp. 63-83, ISBN 9788374179126
2. **Międzynarodowe sieci produkcji w Azji Wschodniej oraz Azji Południowo-Wschodniej na tle międzynarodowego podziału pracy**
Drelich-Skulska Bogusława, Jankowiak Anna H., IN: Region Azji i Pacyfiku w latach 1985-2015. Ciągłość i zmiana w regionalnym systemie międzynarodowym / Jarczewska Aleksandra, Zajączkowski Jakub (*ed.*), 2016, Warszawa, pp. 375-392, ISBN 9788373837959

2015

Chapters from monographs

1. **Rola ADB w regionalnych procesach rozwoju i integracji gospodarczej w XXI wieku**
Drelich-Skulska Bogusława, Bobowski Sebastian, IN: Normy, wartości i instytucje we współczesnych stosunkach międzynarodowych. T. 2 / Stadtmuller Elżbieta, Fijałkowski Łukasz (*ed.*), 2015, Warszawa, pp.75-87, ISBN 978-83-62751-41-9

2014

Chapters from monographs

1. **Polityka innowacyjna versus polityka klastrowa jako źródło przewagi konkurencyjnej we współczesnej gospodarce światowej**
Drelich-Skulska Bogusława, Jankowiak Anna H., Mazurek Szymon, IN: Klastry jako nośnik innowacyjności przedsiębiorstw i regionów. Czy doświadczenia azjatyckie można wykorzystać w warunkach gospodarki polskiej? / Drelich-Skulska Bogusława, Jankowiak Anna H., Mazurek Szymon (*ed.*), 2014, Wrocław, pp. 51-80, ISBN 978-83-7695-504-9
2. **Zróżnicowane modele polityki klastrowej w wybranych krajach azjatyckich i w Polsce**
Drelich-Skulska Bogusława, Jankowiak Anna H., Mazurek Szymon *[et al.]*, IN: Klastry jako nośnik innowacyjności przedsiębiorstw i regionów. Czy doświadczenia azjatyckie można wykorzystać w warunkach gospodarki polskiej? / Drelich-Skulska Bogusława, Jankowiak Anna H., Mazurek Szymon (*ed.*), 2014, Wrocław, pp. 81-106, ISBN 978-83-7695-504-9

2013

Chapters from monographs

1. **Międzynarodowe sieci produkcji w Azji Wschodniej w XXI wieku**

Drelich-Skulska Bogusława, IN: Trendy rozwojowe w gospodarce światowej / Bartosik-Purgat Małgorzata, Schroeder Jerzy (*ed.*), 2013, Poznań, pp. 141-151, ISBN 978-83-7417-750-4

2012

Chapters from monographs

1. **Cła i procedury celne**
Drelich-Skulska Bogusława, IN: Handel zagraniczny : organizacja i technika / Rymarczyk Jan (*ed.*), 2012, Warszawa, pp. 268-309, ISBN 978-83-208-2006-5
2. **Instytucje regulujące i wspierające handel zagraniczny**
Drelich-Skulska Bogusława, Jankowiak Anna H., IN: Handel zagraniczny: organizacja i technika / Rymarczyk Jan (*ed.*), 2012, Warszawa, pp. 55-80, ISBN 978-83-208-2006-5
3. **Proces integracji ekonomicznej Japonii i ASEAN. Zarys tematu**

Drelich-Skulska Bogusława, IN: Globalizacja i regionalizacja w gospodarce światowej : księga jubileuszowa z okazji 45-lecia pracy naukowej Profesora Jana Rymarczyka / Drelich-Skulska Bogusława, Domiter Małgorzata, Michalczyk Wawrzyniec (*ed.*), 2012, Wrocław, pp. 266-284, ISBN 978-83-7695-216-1

4. **Ubezpieczenia w obrocie gospodarczym z zagranicą**

Drelich-Skulska Bogusława, Jankowiak Anna H., IN: Handel zagraniczny : organizacja i technika / Rymarczyk Jan (*ed.*), 2012, Warszawa, pp. 344-371, ISBN 978-83-208-2006-5

2011

Chapters from monographs

1. **EU and ASEAN from the viewpoint of the optimum currency area theory**

Drelich-Skulska Bogusława, In: Proceedings from the 9 th International Conference "Economic Policy in the European Union Member Countries" / Machova Zuzana (*ed.*), 2011, Ostrava, VŠB - Technical University of Ostrava, pp.526-534, ISBN 978-80-248-2458-1

2. **Polityka stosowania cen transferowych w korporacjach amerykańskich. Wybrane aspekty prawne**

Drelich-Skulska Bogusława, IN: Internacjonalizacja i konkurencyjność współczesnych podmiotów gospodarczych / Sporek Tadeusz, Talar Sylwia (*ed.*), 2011, Katowice, pp. 153-172, ISBN 978-83-7246-665-5

Author's books:

2012

Drelich-Skulska Bogusława: Ewolucja zagranicznej polityki ekonomicznej Japonii u progu XXI wieku, Prace Naukowe Akademii Ekonomicznej im. Oskara Langego we Wrocławiu. Monografie i Opracowania, nr 148, 2002, Wrocław

2002

- Drelich-Skulska Bogusława: Ewolucja zagranicznej polityki ekonomicznej Japonii u progu XXI wieku, Prace Naukowe Akademii Ekonomicznej im. Oskara Langego we Wrocławiu. Monografie i Opracowania, nr 148, 2002, Wrocław, 287 pp., ISBN 8370115764.

Books edited:

2024

- Drelich-Skulska Bogusława, Bobowski Sebastian, Pasierbiak Paweł (*ed.*): **Globalne łańcuchy wartości. Funkcjonowanie, dylematy, wyzwania**, 2024, 203 pp., ISBN 9788367899383. DOI:10.15611/2024.38.3

- Drelich-Skulska Bogusława, Sobocińska Magdalena, Tomaskova Andrea (*eds.*), **The Importance of Universities for Society and Economy. The Experience of Researchers from the Visegrád Group** , 2024, Wrocław,, 228 p., ISBN 9788367899918. DOI:10.15611/2024.92.5

2023

- Drelich-Skulska Bogusława, Sobocińska Magdalena, Tomášková Andrea (*ed.*): **Ekonomiczne, zarządcze i społeczno-kulturowe wymiary relacji polsko-czeskich,** 2023, 332 pp., ISBN 9788367400664.

2022

- Drelich-Skulska Bogusława, Jankowiak Anna H., Rojek-Nowosielska Magdalena (*ed.*): **Cele zrównoważonego rozwoju Uczelni. Raport Uniwersytetu Ekonomicznego we Wrocławiu,** 2022, Wrocław, 100 pp., ISBN 9788376959863

2021

- Drelich-Skulska Bogusława, Okawara Mami Hiraike (*eds.*): **Current Trends in the Global Economy. From the Perspective of Japanese and Polish Economists,** 2021, Wrocław, 197 p., ISBN 9788376958835.

2018

- Drelich-Skulska Bogusława, Domiter Małgorzata, Jankowiak Anna H. (*ed.*), Bobowski Sebastian, Brach Jarosław, Broszkiewicz Magdalena *[et al.]*: **International Business in the Global World** , 2018, Wrocław, 362 pp., ISBN 978-83-7695-701-2

2014

- Drelich-Skulska Bogusława, Jankowiak Anna H., Mazurek Szymon (*ed.*): **Klastry jako nośnik innowacyjności przedsiębiorstw i regionów. Czy doświadczenia azjatyckie można wykorzystać w warunkach gospodarki polskiej?** 2014, Wrocław, 230 pp., ISBN 978-83-7695-504-9

2012

- Drelich-Skulska Bogusława, Domiter Małgorzata, Michalczyk Wawrzyniec (*ed.*): **Globalizacja i regionalizacja w gospodarce światowej : księga jubileuszowa z okazji 45-lecia pracy naukowej Profesora Jana Rymarczyka,** 2012, Wrocław, 679 pp., ISBN 978-83-7695-216-1

Journal articles:

2024

- **Znaczenie społecznej odpowiedzialności uczelni w procesach pozyskiwania akredytacji międzynarodowych** Drelich-Skulska Bogusława, Jankowiak Anna H., Rojek-Nowosielska Magdalena, Impakt Dolny Śląsk. Przegląd Think Tanku Uniwersytetu Ekonomicznego we Wrocławiu, 2024, nr 1, pp.40-44

2023

- **Mega-Regionalism in Trade from a Sectoral Perspective. The Case of the Automotive Industry in the Regional Comprehensive Economic Partnership.**
Bobowski Sebastian, Drelich-Skulska Bogusława, Annales Universitatis Mariae Curie-Skłodowska, Sectio H Oeconomia, 2023, vol. 57, no. 1, pp.61-85. DOI:10.17951/h.2023.57.1.61-85.

- **III Green Region Forum at Wrocław University of Economics and Business**Drelich-Skulska Bogusława, Biuletyn Polskiego Towarzystwa Ekonomicznego, 2023, no. 3, pp. 92-96

2022

- **Global value chains (GVCs) in East Asia during the COVID-19 pandemic - the perspective of Japan**, Bobowski Sebastian, Drelich-Skulska Bogusława, Prace Naukowe Uniwersytetu Ekonomicznego We Wrocławiu, 2022, vol. 66, no. 1, pp.1-13. DOI:10.15611/pn.2022.1.01

2021

- **Areas of Modern Trade Policy Versus Economic Security** Drelich-Skulska Bogusława, Domiter Małgorzata, Journal of Economics Studies and Research, 2021, vol. 2021, pp.1-18, Article number:514735. DOI:10.5171/2021.514735

- **Exports in the Doctrine and Policy of Modern Economic Protectionism**
Drelich-Skulska Bogusława, Domiter Małgorzata, Transformations in Business & Economics, 2021, vol. 20, no. 2B (53B), pp.749-767
- **Global Value Chains in the Era of the COVID-19 Pandemic: Symptoms of Deglobalization** Drelich-Skulska Bogusława, Bobowski Sebastian, Gola Jan, European Research Studies Journal, 2021, vol. 24, No. Special Issue 3, pp.905-913. DOI:10.35808/ersj/2532.
- **Intra-industry trade and implications of the European Union-Japan Economic Partnership Agreement from the perspective of the automotive industry**
Drelich-Skulska Bogusława, Bobowski Sebastian, Entrepreneurial Business and Economics Review, 2021, vol. 9, no. 2, pp.183-206. DOI:10.15678/EBER.2021.090212
- **Transformacja wodorowa Unii Europejskiej i Polski**

Drelich-Skulska Bogusława, Brusiło Paweł, Przegląd Think Tanku Uniwersytetu Ekonomicznego we Wrocławiu, 2021, nr 2, pp.13-20

- **Editorial**

Drelich-Skulska Bogusława, Jankowiak Anna H., Transformations in Business & Economics, 2021, vol. 20, no. 2B (53B), pp.747-748

2020

- **Security in the Science of International Relations and Economic Security. A Contribution to the Discussion**

Drelich-Skulska Bogusława, Domiter Małgorzata, Transformations in Business & Economics, 2020, vol. 19, no. 2A (50A), pp.551-564

- **The place of China in the Global Value Chains - current situation and future trends**

Drelich-Skulska Bogusława, Jankowiak Anna H., Transformations in Business & Economics, 2020, vol. 19, no. 2A (50A), pp.565-578

- **Editorial**

Drelich-Skulska Bogusława, Jankowiak Anna H., Transformations in Business & Economics, 2020, vol. 19, no. 2A (50A), pp.336-337

2019

- **Clusters as an element of regional specialisation based on the example of Lower Silesia** Drelich-Skulska Bogusława, Jankowiak Anna H., Biblioteka Regionalisty, 2019, no.19, pp.37-49. DOI:10.15611/br.2019.1.03
- **The Meaning of Cluster Policy in the Process of Integration between the European Union Member States** Drelich-Skulska Bogusława, Jankowiak Anna H., Transformations in Business & Economics, 2019, vol. 18, no. 2B (47B), pp.783-801

2018

- **Megaregionalizm handlowy UE - ASEAN. Wyzwania dla formatu region - region** Bobowski Sebastian, Drelich-Skulska Bogusława, Prace Naukowe Uniwersytetu Ekonomicznego We Wrocławiu, 2018, nr 523, pp.43-53. DOI:10.15611/pn.2018.523.04
- **An Advancement of Knowledge-Based Economy in Japan. The Potential Role of Knowledge Cluster Initiative** Drelich-Skulska Bogusława, Bobowski Sebastian, Jankowiak Anna H., Stosunki Międzynarodowe - International Relations, 2018, vol. 54, no. 2, pp.203-227. DOI:10.7366/020909612201810
- **Editorial** Drelich-Skulska Bogusława, Nita Bartłomiej, Jankowiak Anna H., Transformations in Business & Economics, 2018, vol. 17, no. 2A (44A), pp.292-293
- **Protectionism in Trade Policy in the 21st Century**

Drelich-Skulska Bogusława, Domiter Małgorzata, Transformations in Business & Economics, 2018, vol. 17, no. 2A, pp.353-371

2017

- **Ewolucja biznesu międzynarodowego w dobie globalizacji gospodarki**

Drelich-Skulska Bogusława, Ekonomia XXI Wieku, 2017, nr 4 (16), s.7-21. DOI:10.15611/e21.2017.4.01

2016

- **After Three Years of Abenomics. Challenges and Recommendations for the Economic Revitalisation Policy in Japan**

Bobowski Sebastian, Drelich-Skulska Bogusława, Transformations in Business & Economics, 2016, vol. 15, no. 2A (38A), pp.434-458

2015

- **Diversification of cluster policies in Asian countries with examples from Japan and India Zrożnicowanie polityki klastrowej w krajach azjatyckich na przykładzie Japonii i Indii** , Prace Naukowe Uniwersytetu Ekonomicznego We Wrocławiu, 2015, nr 407, pp.169-181. DOI:10.15611/pn.2015.407.14

2014

- **Asian Conference at Wrocław University of Economics and Business**

Drelich-Skulska Bogusława, Jankowiak Anna H., Ekonomia XXI Wieku, 2014, no. 4(4), pp.144-145. DOI:10.15611/e21.2014.4.10

- **China's Trade Policy Towards Central and Eastern Europe in the 21St Century, Example of Poland** Drelich-Skulska Bogusława, Bobowski Sebastian, Jankowiak Anna H. *[et al],* Folia Oeconomica Stetinensia, 2014, vol. 14, no. 1, pp.149-174. DOI:10.2478/foli-2014-0111

- **Zmiana uwarunkowań prawnych działalności przedsiębiorców w Polsce w procesie akcesji do Unii Europejskiej na przykładzie ułatwień w unijnym systemie celnym**

Drelich-Skulska Bogusława, Prace Naukowe Uniwersytetu Ekonomicznego We Wrocławiu, 2014, nr 372, pp.82-91. DOI:10.15611/pn.2014.372.06

2013

- **Narodowy system innowacji w Indiach na tle rozwoju gospodarczego kraju na przełomie XX i XXI wieku**

Drelich-Skulska Bogusława, Finanse, Rynki Finansowe, Ubezpieczenia, 2013, nr 57, pp.539-558

- **The Impact of Innovations on the ICT Market in the Twenty-first Century**

Drelich-Skulska Bogusława, Review of Asian and Pacific Studies, 2013, nr 38, pp.179-199

- **Wzrost gospodarczy krajów ASEAN a globalny kryzys**

Drelich-Skulska Bogusława, Studia Ekonomiczne, 2013, nr 2, pp.216-243

2012

- **Clustering in East Asia - implications of Japan's industrial development model**

Bobowski Sebastian, Drelich-Skulska Bogusława, Ekonomia. Prace Naukowe Uniwersytetu Ekonomicznego we Wrocławiu, 2012, No. 3 (20), pp.9-21

- **Review of Szymon Mazurek's The mechanism of the transmission of economic crises**

Drelich-Skulska Bogusława, Ekonomia. Prace Naukowe Uniwersytetu Ekonomicznego we Wrocławiu, 2012, No. 3 (20), pp.95-96

- **Rola państwa w kształtowaniu zagranicznej polityki ekonomicznej Japonii na przełomie XX i XXI wieku**

Drelich-Skulska Bogusława, Prace i Materiały Instytutu Handlu Zagranicznego Uniwersytetu Gdańskiego, 2012, nr 31, pp.199-214

2011

- **Entrepreneurship as a factor shaping the competitive capacity of Malaysia in the twenty-first century**

Drelich-Skulska Bogusława, Prace Naukowe Uniwersytetu Ekonomicznego we Wrocławiu, 2011, No 192, pp.188-202

- **Nowy regionalizm w Azji Wschodniej**

Drelich-Skulska Bogusława, Stosunki Międzynarodowe - International Relations, 2011, vol. 44, nr 3-4, pp.93-115

- **Process of the economic integration of China with ASEAN countries. An overview**

Drelich-Skulska Bogusława, Folia Oeconomica Stetinensia, 2011, vol. 10, no. 1, pp.36-52. DOI:10.2478/v10031-011-0017-y

Other materials:

2024

scientific research reports

- **Achievement of Sustainable Development Goals. Report for 2023. Wroclaw University of Economics and Business.**

Drelich-Skulska Bogusława, Jankowiak Anna H., Rojek-Nowosielska Magdalena, 67 p., 2024, scientific research report

- **Realizacja celów zrównoważonego rozwoju. Raport za rok 2023. Uniwersytet Ekonomiczny we Wrocławiu**

Drelich-Skulska Bogusława, Jankowiak Anna H., Rojek-Nowosielska Magdalena, 67 pp., 2024, raport naukowo-badawczy

presentations

- **Zrównoważony handel w regionalizmie UE – ASEAN**

Bobowski Sebastian, Drelich-Skulska Bogusława, 1-16 pp., 2024, Seminarium Naukowe "Wokół modelu integracji europejskiej" 2024, prezentacja

- **Dobre praktyki kształtowania zrównoważonego rozwoju w Uniwersytecie Ekonomicznym we Wrocławiu. Osiągnięcia i wyzwania**

Drelich-Skulska Bogusława, Rojek-Nowosielska Magdalena, 1-30 pp., 2024, II Ogólnopolska Konferencja Naukowa "Uczelnie wyższe wobec wyzwań zrównoważonego rozwoju" 2024, prezentacja

abstracts

- **Zrównoważony handel w regionalizmie UE – ASEAN**

Bobowski Sebastian, Drelich-Skulska Bogusława, 1-1 pp., 2024, Seminarium Naukowe "Wokół modelu integracji europejskiej" 2024, streszczenie

2023

presentations

- **The Indo-Pacific Economic Framework (IPEF). Implications For Supply Chains**

Bobowski Sebastian, Drelich-Skulska Bogusława, 1-12 pp, 2023, 12th Asia-Pacific International Conference: Towards the Indo-Pacific: new strategies and patterns of international cooperation and exchange 2023, presentation

- **Global value chains in the East Asia region - trends and challenges in the face of shocks**

Drelich-Skulska Bogusława, Bobowski Sebastian, 1-18 p., 2023, VI International Scientific Conference "Globalization and regionalization in the modern world: transformations and adjustments in a turbulent environment" 2023, presentation

2022

presentation

- **Intra-regional trade in East Asia - perspective of China**

Bobowski Sebastian, Drelich-Skulska Bogusława, 1-15 pp, 2022, 11th Asia-Pacific International Conference: The Asia-Pacific Region and the EU. Partners or Competitors? 2022, presentation

summary

- **Mega-Regionalism In Trade In (Post)Pandemic World. The Case Of The Automotive Industry In The Regional Comprehensive Economic Partnership**

Bobowski Sebastian, Drelich-Skulska Bogusława, 1-1 pp, 2022, 41st Eurasia Business and Economics Society Conference 2022, abstract

2021

presentation

- **Global value chains in East Asia in the period of COVID-19 pandemic - perspective of Japan**

Drelich-Skulska Bogusława, Bobowski Sebastian, 1-21 pp, 2021, 10th Asia-Pacific International Conference: The Asia-Pacific Region In The Post-Pandemic Reality 2021, presentation

- **Globalne łańcuchy wartości w dobie pandemii COVID-19**

Drelich-Skulska Bogusława, Bobowski Sebastian, 1-19 pp., 2021, Ogólnopolska Konferencja Naukowa "Polska w gospodarce światowej - szanse i zagrożenia" 2021, prezentacja

2020

presentation

- **The European Union (EU) - Japan Economic Partnership Agreement (EPA). An Analysis Of Intra-Industry Trade And Strategic Implications**

Bobowski Sebastian, Drelich-Skulska Bogusława, 1-11 pp, 2020, 31st Eurasia Business and Economics Society Conference 2020, presentation

2019

presentation

- **The European Union as a platform for the European NGO's Operations - market versus democracy**

Drelich-Skulska Bogusława, Domiter Małgorzata, 2019, 28th Eurasia Business and Economics Society Conference 2019, presentation

2018

paper presented

- **International production networks in auto industry in the 21st century the case of ASEAN**

Drelich-Skulska Bogusława, Bobowski Sebastian, 2018, 12th International Days of Statistics and Economics 2018, paper presented

- **EU-ASEAN trade mega-regionalism. Challenges for the region-to-region format**

Drelich-Skulska Bogusława, Bobowski Sebastian, 2018, XXXV International Scientific Conference "World Economy of the 21st Century. Challenges and perspectives" 2018, paper presented

Directing a financial research project in a national or international competition:

2022

- Impact of COVID-19 on international trade as a new challenge in students' vocational training

Project manager at WUEB: Anna H. Jankowiak, start date 01-01-2022, end date 31-12-2022, Completed - implemented

The aim of the project is to support the training of students with a focus on international trade in the context of the impact of Covid-19 on the area. The means to achieve this is to organise 2 workshops and prepare a joint Czech-Polish publication on the impact of Covid 19 on Czech-Polish foreign trade, thus supporting the training of students in cross-border cooperation.

- Quo vadis, Asia? Development challenges of East Asia in the 21st century

Project manager at WUEB: Sebastian Bobowski, start date 02-02-2022, end date 30-11-2023, Completed - settled

Multimedia:

2024

- LG Solution and Wrocław University of Economics and Businesstogether for the future of students and science

Bogusława Drelich-Skulska (EiF/KMSG) : LG Solution and Wrocław University of Economics and Businesstogether for the future of students and science, 2024 (audio)

- 'YES!THESE. 20 years of Poland in the EU". Young people debate

Bogusława Drelich-Skulska (EiF/KMSG) , Andrzej Kaleta (Z/KZS) : "YES!THESIS. 20 years of Poland in the EU". Young debaters, 2024, YouTube (video)

- 3rd Green Region Forum. Prof. Bogusława Drelich-Skulska

Bogusława Drelich-Skulska (EiF/MSC) : 3rd Green Region Forum. Prof. Bogusława Drelich-Skulska, 2024, YouTube (video)

- Millions of zloty for free education

Bogusława Drelich-Skulska (EiF/KMSG) , Sylwia Wrona (Z/KZBZ) : Millions of zloty for free education, 2024, YouTube (video)

2023

- Time for the economy - Green Region Forum: EU and EC conference

Bogusława Drelich-Skulska (EiF/MSC) : Time for the economy - Green Region Forum: EU and EC conference, 2023, YouTube (video)

- 2nd Green Region Forum. EU changes start locally

Andrzej Graczyk (EiF/KEE) , Bogusława Drelich-Skulska (EiF/KMSG) : 2nd Green Region Forum. EU changes start locally, 2023, YouTube (video)

- WUEB at the Economic Forum in Karpacz. "We want to cooperate on various levels".

Andrzej Kaleta (Z/KZS) , Bogusława Drelich-Skulska (EiF/KMSG) , Alla Witwicka-Dudek (PJ/CWB) , Bożena Ryszawska (EiF/KFP) : WUEB at the Economic Forum in Karpacz. "We want to cooperate on various levels", 2023, YouTube (video)

- Awarding ceremony for the honorary doctorate of Prof. Dr. Marian

Andrzej Kaleta (Z/KZS) , Bogusława Drelich-Skulska (EiF/KMSG) , Ewa Stańczyk-Hugiet (Z/KZBZ) : Ceremony for the awarding of an honorary doctorate to Prof. Marian Gorynia, 2023, YouTube (video)

- Wroclaw Global Talks - Debate 1 - Trust in cooperation with business and

Jan Jakub Cendrowski (PJ/InQUBE) , Maja Leszczyńska (Z/KSI) , Bogusława Drelich-Skulska (EiF/KMSG) : Wroclaw Global Talks - Debate 1 - Trust in cooperation with business and start-ups, 2023, YouTube (film)

- Wroclaw Global Talks - Debate 2 - Sustainable Development at the

Magdalena Rojek-Nowosielska (Z/KZS) , Dominika Hadro (EiF/KF) , Karolina Daszyńska-Żygadło (EiF/KFP) , Bogusława Drelich-Skulska (EiF/KMSG) : Wroclaw Global Talks - Debate 2 - Sustainable Development at the Universities, 2023, YouTube (film)

2022

- Bogusława Drelich-Skulska-XXXI Economic Forum Karpacz

Bogusława Drelich-Skulska (EiF/MSC) : Bogusława Drelich-Skulska-XXXI Economic Forum Karpacz, 2022, YouTube (video)

- Erasmus - International

Bogusława Drelich-Skulska (EiF/MSC) , Iwona Przyłęcka (PJ) : Erasmus - International Gate, 2022, YouTube (film)

- Report "Sustainable Development Goals of the University" | | XXXI Economic Forum Karpacz

Bogusława Drelich-Skulska (EiF/KMSG) : Report "Sustainable Development Goals of the University" || XXXI Economic Forum Karpacz, 2022, YouTube (video)

- The 11th Asia-Pacific International Conference: Asia-Pacific and the

Bogusława Drelich-Skulska (EiF/MSC) , Andrzej Kaleta (Z/KZS) : The 11th Asia-Pacific International Conference: Asia-Pacific and the EU, 2022, YouTube (film)

- Volunteering at the Wrocław University of Economics and Business

Bogusława Drelich-Skulska (EiF/KMSG) , Andrzej Kaleta (Z/KZS) : Volunteering at Wrocław University of Economics, 2022, YouTube (video)

2021

- 10th Asia-Pacific International Conference. The Asia-Pacific Region In The Post-Pandemic

Bogusława Drelich-Skulska (EiF/MSC) , Andrzej Kaleta (Z/KZS) : 10th Asia-Pacific International Conference. The Asia-Pacific Region In The Post-Pandemic Reality, 2021, YouTube (film)

Activities:

- **Member of the National Board of the Polish Economic Society for the term of office 2021-2026**
- **Sponsor of Strategic Priority Recognised practice-inspired research as part of the implementation of the "Strategy 2030 of Wrocław University of Economics"**

Strategic Priority Board Recognised practice-inspired research, 2024

- **Sponsor of Strategic Priority Recognised practice-inspired research as part of the implementation of the "Strategy 2030 of Wrocław University of Economics"**

Strategic Priority Board Recognised practice-inspired research, 2021 - 2024

- **Vice-Chancellor for Accreditation and International Cooperation of the Wrocław Economics** (WUEB), 2020 - 2024
- **Member of the Accreditation Advisory Board at University**

Accreditation Advisory Board, 2023 - currently active

- **Member (Vice-Chancellor) of the Strategy Council as part of the implementation of "Strategy 2030 of Wrocław University of Economics".**

Strategy Council 2030 of Wrocław University of Economics, 2021 - currently active

- **Member of the Council of the Impact Lower Silesia Think Tank of the Wrocław University of Economics and Business**

Impakt Dolny Śląsk -Think Tank of Wrocław University of Economics, 2020 - currently active

Membership of committee, council, board:

- **Member of the Committee on Economic Sciences of the Polish Academy of Sciences for the term of office 2024-2028**
- **Member of the Cambridge Learning Gateway Advisory Board**
- **Member of the Innovation Committee**

In: Association to Advance Collegiate Schools of Business (AACSB), 2021.

- **Member of the Polish Society for International Studies. Wrocław Branch**

Membership of editorial committees, editing of journal, series, collection:

- **Member of the Scientific Council**

Membership of editorial committees, editing of journal, series, collection, In: International Entrepreneurship Review, *[International Entrepreneurship = International Entrepreneurship, ISSN 2543-537X, e-ISSN 2543-4934]*, ISSN 2658-1841, e-ISSN 2658-1841, Quarterly, 2019 - currently active

Membership of authorities and bodies of societies, organisations and institutions:

- **Member of the Board of Trustees of IHI Zittau,** : Technische Universitat Dresden (TUD), 2027
- **Member of the Board of Trustees des IHI Zittau** , In: IHI Zittau / Technische Universitat Dresden (TUD), 2021 - 2024

Other scientific research activities:

- **Vice-Chancellor for International Cooperation, University of Economics in Wrocław** 2024 - 2028

Conference organisation:

- **Member of the Organising Committee of Integration Processes in the Global World "Integration groupings facing the challenges of illicit trade", 2023**
- **Member of the Organising Committee of Integration Processes in the Global World "Resilience in times of uncertainty - contemporary challenges for regional integration processes", 2022**
- **Member of the Organising Committee of the 11th Asia-Pacific International Conference: The Asia-Pacific Region and the EU. Partners or Competitors?, 2022**

Chairing the session:

- **12th Asia-Pacific International Conference: Plenary**

, Wrocław, Poland, 2023

- **The role of universities in shaping societies - different paths to success**

In: XXXII Economic Forum "New values of the Old Continent - Europe at the threshold of change" (Economic Forum 2023)

- **The 11th Asia-Pacific International Conference: Asia-Pacific and the EU** 09-11-2022 - 09-11-2022, Wrocław, Poland, 2022
- **10th Asia-Pacific International Conference. The Asia-Pacific Region In The Post-Pandemic Reality** 16-11-2021 - 16-11-2021, Online, Poland, 2021

Participation in the organisation of a conference/workshop/course/seminar:

- **Member of the Programme Committee of the National Conference "Changes in the Economy", 2022** , 29-09-2022 - 30-09-2022, Wrocław, Poland, 2022

Participation in a radio programme:

- **Social responsibility is the mission of Wrocław University of Economics and Business**

Drelich-Skulska Bogusława:, In: Radio Wrocław, 2023

Participation in an online media interview:

- **Time for the Economy - 'Hydrogen is a good alternative'. What potential does it have?"**, In: Echo24 Television (Echo24), 2024
- **Prof. Bogusława Drelich-Skulska: Increase recognition of universities** , In: Academic Newsletter / Perspektywy, 2024
- **Green Region Forum for the third time. "We want to talk about economic change"** In: Echo24 Television (Echo24), 2024
- **Green Region Forum: what challenges does the world face?** , In: Echo24 Television (Echo24), 2023
- **What is the social responsibility of universities?**, In: Echo24 Television (Echo24), 2023
- **Time for the economy - What is accreditation for universities all about?** , In: Echo24 Television (Echo24), 2023
- **Interview - Prof. Dr. Bogusława Drelich-Skulska (XXXII Economic Forum in Karpacz)** , In: Echo24 Television (Echo24), 2023
- **Time for the economy - Green Region Forum: EU and EC conference** , In: Echo24 Television (Echo24), 2023
- **Time for the economy - Why hydrogen will be the fuel of the future,** In: Echo24 Television (Echo24), 2023

Participation in a press interview:

- **Stars of Internationalisation 2024. development is based on mutual understanding** , In: Perspectives, 2024
- **Fuel of the future from Poland? Green hydrogen basin on the Coast** , In: Gazeta Wyborcza, 2023
- **Hydrogen strategy will change the face of the world** , In: Business Zone. Silesia, 2022

-.

Achievements:

Certificates:

1. **Certificate of Recognition AACSB,** 2021
2. **Certificate of Recognition AACSB** , 2020

Prizes and awards (national and international):

✓ Rector's award of the second degree for achievements in the education and training of students or in the education of doctoral students in 2023, 2024
✓ Rector's award of the second degree for achievements in 2022 in the area of education and education of students or participation in doctoral education, 2023
✓ Rector's First Class Achievement Award 2022 in the area of performance of organisational activities, 2023
✓ Rector's Third Degree Award for Achievement in Scientific Activity, 2021
✓ Rector's First Class Award for achievements in the area of student education and education or participation in doctoral training,
✓ Rector's Second Class Award for Achievements in the Organisational Area,
✓ Rector's Second Class Award for research achievements in 2019,
✓ Rector's First Class Award for Organisational Achievement in 2019,
✓ Rector's Second Class Award for Achievement in Research Staff Education 2019,

Scientific or research activities
✓ Congratulatory letter of the President of the City of Wrocław, Jacek Sutryk, on the occasion of the award of the Prize of the Minister of Science and Higher Education for significant achievements in organisational activities,
✓ Level II scientific allowance,

Organisational Achievement Award
- Award of the Minister of Science and Higher Education for significant achievements in organisational activities,

Thesis award/award
- Promoter of a distinguished master's thesis in the 11th edition of the competition of the Head of the Internal Security Agency for the best doctoral, master's or bachelor's thesis concerning state security in the context of intelligence, terrorist, economic threats, 2022
- Promoter of the thesis awarded in the MA thesis category in the 7th edition of the National Competition for the best thesis in International Economic Relations,

Cooperation with a foreign university or research institution:

SEIKEI UNIVERSITY, TOKIO, JAPAN; research and organisational cooperation; from 2012 to present; 1. sending 8 academics from WUEB for research internships; 2. completed research internship in 2012 (three weeks)

Participation in the organising or scientific committee(s) of an international or national conference:

Chair of the Scientific Committee of the 1st to 13th ASIA-PACIFIC INTERNATIONAL CONFERENCE; www.azja-pacyfik.edu.pl

Membership of foreign or international scientific societies, organisations and institutions:

1st Member of the Committee of Economic Sciences Pan 2024-2028;
2. Member of the Board of the Polish Economic Society 2021-2026;
Member of the Polish Society for International Studies from 2016 to date

Membership of expert teams:

1 Member of the AACSB Innovation Committee (Innovation Committee) for 2019/2020, 2020/2021;
2 Member of the Accreditation Advisory Board, Woxen University, India from 2023 - to date;
3. member of the Board of Trustees of Ihi Zittau/ Technical University of Dresden, Germany, 2021-2024, 2025-2027

Number of PhD students promoted:

16

Prof. Dr. hab.
Andrzej Graczyk

Wrocław University of Economics and Business

- PhD in Economic Sciences/Economics, 1987
- Doctor habilitatus of Economics, 2005
- Professor of Economic sciences, 2015

Scientific specialisation:

- microeconomics
- environment and natural resources economics
- energy management
- economic aspects of sustainable development

Functions held (current and past):

- Currently: Dean of the Faculty of Economics and Finance (2024-2028)
- currently: Head of the Department of Ecological Economics,
- currently: Chair of the Discipline Council at the Faculty of Economics and Finance
- Previously: Dean of the Faculty of Economics and Finance (2020-2024)

Publications

Mr Professor is the author of more than 100 scientific publications, among which are:

1. Graczyk, A., Brusiło, P., & Graczyk, A. M. (2025). Hydrogen as a Renewable Fuel of Non-Biological Origins in the European Union—The Emerging Market and Regulatory Framework. *Energies*, *18*, Article 3. https://doi.org/10.3390/en18030617
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Authorship or co-authorship of a chapter in a scientific monograph / chapters in a scientific monograph:

Chapters from monographs

2023

- Wpływywanie transformacji energetycznego na gospodarowanie przestrzenią w Polsce w perspektywie roku 2050, Graczyk Andrzej, In: Przestrzeń i regiony w nowoczesnej gospodarce. Jubilee book dedicated to Professor Stanisław Korenik / Rynio Dorota, Zakrzewska-Półtorak Alicja (eds.), 2023, Wrocław, Wydawnictwo Uniwersytetu Ekonomicznego we Wrocławiu, pp. 259-267, ISBN 9788367400923.

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2016

- Wojtkowska-Łodej Grażyna, Graczyk Andrzej, Szablewski Andrzej: Uwarunkowania rozwoju energetyki w zakresie polityki energetycznej i regulacyjnej, 2016, Warszawa, Dom Wydawniczy Elipsa, 114 s., ISBN 9788380171381

2013

- Instrumenty rynkowe polityki ekologicznej. Teoria i praktyka , Graczyk Andrzej, 2013, Wrocław, Wydawnictwo Uniwersytetu Ekonomicznego we Wrocławiu, 417 s., ISBN 978-83-7695-291-8

2011

- Graczyk Andrzej, Graczyk Alicja: Wprowadzanie mechanizmów rynkowych w ochronie środowiska, 2011, Warszawa, Polskie Wydawnictwo Ekonomiczne, 189 s., ISBN 978-83-208-1968-7

2002

- Fiedor Bogusław, Czaja Stanisław, Graczyk Andrzej [i in.]: Podstawy ekonomii środowiska i zasobów naturalnych, 2002, Warszawa, Wydawnictwo C. H. Beck, 484 s., ISBN 83-7110-868-0

Multimedia:

2024

- III Forum Green Region. Prof. Andrzej Graczyk, Andrzej Graczyk (EiF/KEE) : III Forum Green Region. Prof. Andrzej Graczyk, 2024, YouTube (video)

2023

- II Forum Green Region. Unijne zmiany zaczynają się lokalnie, Andrzej Graczyk (EiF/KEE) , Bogusława Drelich-Skulska (EiF/KMSG): II Forum Green Region. Unijne zmiany zaczynają się lokalnie, 2023, YouTube (video)

2022

- Wieczór zDolnego Śląska: Elektrownia atomowa w Polsce , Andrzej Graczyk (EiF/KEE) : Wieczór zDolnego Śląska: Elektrownia atomowa w Polsce, 2022 (voice)

Prizes and awards received (domestic and foreign):

- Rector's award of the second degree for achievements in 2022 in the area of performance of organizational activities, 2023
- Rector's Second Class Award for Achievements in the Organisational Area in 2021
- Rector's award of the third degree for achievements in scientific activity in 2021
- Rector's First Class Award for Organisational Achievement in 2019, 2020
- Scientific or research activities
- Level II scientific allowance, 2023
- Level II scientific allowance, 2022

Other activities:

Member of the Board of the Polish Association of Environmental and Resource Economists for the term 2018-2022

Other research activities:

- **Participation in the organisation of a conference/workshop/course/seminar**
  Chairman of the Program Committee of the All-Poland Conference "Changes in the Economy", 2022. Participation in the organization of the conference/workshop/course/seminar, In: All-Poland Conference "Changes in the Economy", 2022, 29-09-2022 - 30-09-2022, Wrocław, Poland, 2022
- **Participation in a radio programme**
  Evening from Lower Silesia: Nuclear power plant in Poland. Participation in a radio programme, In: Radio Wrocław, 2022 - currently active

Number of PhD students promoted:

10

Prof. dr. hab.
Jędrzej Chumiński

Wrocław University of Economics and Business

Academic specialization:

- Economic and social history 1945-1989

- Doctor in Economics, 1993
- Doctor habilitus in Economics, 1999
- Professor of Humanities, 2020

Professor Chumiński obtained a doctorate in economics in March 1993 based on a resolution of the Faculty Council of National Economy at the Oskar Lange University of Economics in Wrocław, after publicly defending his doctoral dissertation entitled The Formation of the Industrial Workers' Environment in Wrocław in the Years 1945–1949. Oskar Lange in Wrocław, after publicly defending his doctoral dissertation entitled *The Formation of the Industrial Workers' Environment in Wrocław in the Years 1945–1949*. In July 1999, he obtained his habilitation at the same university. In 2020, he was awarded the title of professor. From 2012 to 2016, he was the Vice-Dean for Part-Time and Postgraduate Studies at the Faculty of Economic Sciences at the Wrocław University of Economics and Business. His research focuses on the economic history of the Polish People's Republic, particularly in comparative terms and against the background of post-war social change. He is the author of several dozen scientific articles published in Poland and abroad, including in the "Kwartalnik Historyczny".

Positions held (currently and in the past):

- ✓ currently: Head of the Department of Philosophy and Economic History
- ✓ Vice-Dean for Part-Time and Postgraduate Studies, Faculty of Economic Sciences, Wrocław University of Economics (2012-2016)

Publications

The professor is the author and co-author of several dozen scientific publications, including:

1. Chumiński, J., Popiński, K., & Straszak-Chandoha, PP. (2024). Początki szkolnictwa ekonomicznego we Wrocławiu w latach 1945-1950. W: Ł. Dwilewicz, J. Luszniewicz, & J. Łazor (ed.), *Pieniądz, historia, polityka. Studia ofiarowane prof. dr. hab. Wojciechowi Morawskiemu w 70. rocznicę urodzin* / (pp. 345–361).
2. Chumiński, J., & Popiński, K. (2024). Społeczne bariery rozwoju gospodarczego PRL. W: C. Kuklo & W. Walczak (ed.), *Człowiek twórcą historii. Vol 1.Człowiek i praca w procesie modernizacji społecznej i gospodarczej* (pp. 693–735).
3. Chumiński, J. (2024). Hidden Unemployment in Polish Industry (1945–1956). *Studia Historiae Oeconomicae*, *42*, Article 2. https://doi.org/10.14746/sho.2024.42.2.006
4. Chumiński, J. (2023). Robotnicy wrocławscy - analiza społeczno-demograficzna (1945-1956). W: S. Bykowska (ed.), *Gdańsk 1945-1990. Materiały, studia, analizy. T. 4* (pp. 35–72). Muzeum Gdańska.
5. Chumiński, J. (2023). Rola ludności wiejskiej w zasiedleniu Wrocławia – na przykładzie pracowników przemysłu (1945-1956). W: D. Rynio & A. Zakrzewska-Półtorak (ed.), *Przestrzeń i regiony w nowoczesnej gospodarce. Księga jubileuszowa dedykowana Profesorowi Stanisławowi Korenikowi* (pp. 64–77). https://doi.org/10.15611/2023.93.0.04
6. Chumiński, J. (2023). Principles of Shaping and Composition of the Management Staff of Polish Industry (1945–1956). *Studia Historiae Oeconomicae*, *41*, Article 1. https://doi.org/10.14746/sho.2023.41.1.004
7. Chumiński, J. (2021). *„Kadry decydują o wszystkim" Nowa inteligencja w przemyśle polskim (1945-1956)*. Wydawnictwo Uniwersytetu Ekonomicznego we Wrocławiu.
8. Chumiński, J. (2021). Peerelowska modernizacja – fakty i mity. W: P. Grata (ed.), *Modernizacja bez suwerenności. Przemiany gospodarcze i społeczne w Polsce Ludowej* (T. 3, pp. 15–43).
9. Chumiński, J. (2020). Bezpieczeństwo i higiena pracy w górnictwie polskim w latach 1945-1956. W: M. G. Gerlich & T. Sierny (ed.), *Wacław Długoborski. Księga jubileuszowa* (pp. 189–201).
10. Chumiński, J. (2020). Robotnicy jako przedmiot badań społecznych. W: T. Janicki (ed.), *Historia gospodarcza. Problemy i metody. Studia w stulecie powstania poznańskiej szkoły historii gospodarczej* (pp. 317–344). Wydział Historii UAM.

Books

- „Kadry decydują o wszystkim" Nowa inteligencja w przemyśle polskim (1945-1956)

Chumiński Jędrzej, 2021, Wydawnictwo Uniwersytetu Ekonomicznego we Wrocławiu, 373 pp., ISBN 9788376958613

- Robotnicy polscy 1945-1956. "Stary" i "nowy" ośrodek przemysłowy na przykładzie Krakowa i Wrocławia

Chumiński Jędrzej, 2015, Wrocław, Wydawnictwo Uniwersytetu Ekonomicznego we Wrocławiu, 629 pp., ISBN 9788376955162

- Ruch zawodowy w Polsce w warunkach kształtującego się systemu totalitarnego 1944-1956

Chumiński Jędrzej: Prace Naukowe Akademii Ekonomicznej im. Oskara Langego we Wrocławiu. Monografie i Opracowania, nr 129, 1999, Wrocław, Wydawnictwo Akademii Ekonomicznej im. Oskara Langego we Wrocławiu, 428 pp., ISBN 8370113745

Authorship or co-authorship of a chapter in a scientific monograph

Chapters in the monograph

2024

1. Początki szkolnictwa ekonomicznego we Wrocławiu w latach 1945-1950, Sylwia, IN: Pieniądz, historia, polityka. Studia ofiarowane prof. dr. hab. Wojciechowi Morawskiemu w 70. rocznicę urodzin Dwilewicz Łukasz, Luszniewicz Jacek, Łazor Jerzy (ed.), 2024, Warszawa, Oficyna Wydawnicza SGH, pp.345-361, ISBN 9788380306950
2. Społeczne bariery rozwoju gospodarczego PRL, Chumiński Jędrzej, Popiński Krzysztof, IN: Człowiek twórcą historii. Vol 1. Człowiek i praca w procesie modernizacji społecznej i gospodarczej / Kuklo Cezary, Walczak Wojciech (ed.), 2024, Białystok, Uniwersytet w Białymstoku, pp.693-735, ISBN 9788367846066

2023

1. Robotnicy wrocławscy - analiza społeczno-demograficzna (1945-1956), Chumiński Jędrzej, IN: Gdańsk 1945-1990. Materiały, studia, analizy. T. 4 / Bykowska Sylwia (ed.), 2023, Gdańsk - Warszawa, Instytut Historii im. Tadeusza Manteuffla Polskiej Akademii Nauk, Muzeum Gdańska, pp.35-72, ISBN 9788366911390
2. Rola ludności wiejskiej w zasiedleniu Wrocławia – na przykładzie pracowników przemysłu (1945-1956), Chumiński Jędrzej, IN: Przestrzeń i regiony w nowoczesnej gospodarce. Księga jubileuszowa dedykowana Profesorowi Stanisławowi Korenikowi / Rynio Dorota, Zakrzewska-Półtorak Alicja (ed.), 2023, Wrocław, Wydawnictwo Uniwersytetu Ekonomicznego we Wrocławiu, pp.64-77, ISBN 9788367400923. Przejdź do dokumentu po identyfikatorze cyfrowymDOI:10.15611/2023.93.0.04

2021

1. Peerelowska modernizacja – fakty i mity. Chumiński Jędrzej, IN: Modernizacja bez suwerenności. Przemiany gospodarcze i społeczne w Polsce Ludowej / Grata Paweł (ed.), Biblioteka Polskiej Modernizacji, 2021, vol. 3, Rzeszów, Wydawnictwo Uniwersytetu Rzeszowskiego, pp.15-43, ISBN 9788379968886

2020

1. Bezpieczeństwo i higiena pracy w górnictwie polskim w latach 1945-1956, Chumiński Jędrzej, IN: Wacław Długoborski. Księga jubileuszowa / Gerlich Marian G., Sierny Tadeusz (ed.), 2020, Wydawnictwo Naukowe Śląsk, pp.189-201, ISBN 9788381830515
2. Robotnicy jako przedmiot badań społecznych, Chumiński Jędrzej, IN: Historia gospodarcza. Problemy i metody. Studia w stulecie powstania poznańskiej szkoły historii gospodarczej / Janicki Tadeusz (ed.), 2020, Poznań, Uniwersytet im. Adama Mickiewicza w Poznaniu, Wydział Historii UAM, pp.317-344, ISBN 9788366355538

2019

1. „Mała stabilizacja" czy stagnacja – społeczno-ekonomiczny bilans rządów Władysława Gomułki, Chumiński Jędrzej, IN: Colloquium Opole 2018. Europa w pół wieku po roku 1968. Historia. Polityka. Kultura / Mazurkiewicz Marek, Siwek Tadeusz (ed.), 2019, Opole, Państwowy Instytut Naukowy - Instytut Śląski w Opolu, pp.134-153, ISBN 9788371263385
2. Wskaźniki rozwoju gospodarczego i społecznego państw bloku wschodniego na tle gospodarki światowej, Chumiński Jędrzej, IN: Życie codzienne w PRL / Choma-Jusińska Małgorzata, Kruszyński Marcin, Osiński Tomasz (ed.), 2019, Lublin-Warszawa, Instytut Pamięci Narodowej - Komisja Ścigania Zbrodni Przeciwko Narodowi Polskiemu, pp.87-109, ISBN 9788380984790

2018

1. Dominanty i zaniechania w badaniach PRL - historia gospodarcza po 1989 roku, Chumiński Jędrzej, Popiński Krzysztof, IN: Z Jeleniej Góry do Wrocławia i z powrotem. Wokół historii społecznej i gospodarczej / Głowiński Tomasz (ed.), 2018, Wrocław, Wydawnictwo TUM Wrocławskiej Księgarni Archidiecezjalnej, pp.195-216, ISBN 9788374754412

2017

1. Członkowie partii komunistycznej w Polsce – analiza społeczno-demograficzna (na przykładzie pracowników przemysłu w latach 1945–1948), Chumiński Jędrzej, IN: Więcej niż partia. PZPR a polityka, gospodarka i społeczeństwo 1948–1990 / Dziuba Adam, Tracz Bogusław (ed.), 2017, Katowice–Warsyawa, Instytut Pamięci Narodowej - Komisja Ścigania Zbrodni Przeciwko Narodowi Polskiemu, pp.43-60, ISBN 978-83-8098-347-2
2. Od jednowydziałowej Wyższej Szkoły Handlowej do Wydziału Gospodarki Narodowej (1947-1969), Chumiński Jędrzej, IN: Księga 70-lecia Wydziału Nauk Ekonomicznych Uniwersytetu Ekonomicznego we Wrocławiu / Chumiński Jędrzej, Zając Czesław (ed.), 2017, Wrocław, Wydawnictwo Uniwersytetu Ekonomicznego we Wrocławiu, pp.19-42, ISBN 978-83-7695-667-1

2016

1. Historia gospodarcza po 1989 roku, Chumiński Jędrzej, Popiński Krzysztof, IN: Klio na wolności. Historiografia dziejów najnowszych w Polsce po 1989 roku / Kruszyński Marcin [i in.] (ed.), 2016, Lublin, Instytut Pamięci Narodowej, pp.81-92, ISBN 978-83-7629-979-2
2. Wpływ zmian własnościowych w przemyśle na skład środowiska robotniczego w Polsce (1945-1956), Chumiński Jędrzej, IN: "Rewolucja społeczna" czy "dzika przebudowa"? Społeczne skutki przekształceń własnościowych w Polsce (1944-1956) / Osiński Tomasz (ed.), 2016, Lublin, Instytut Pamięci Narodowej, pp.295-312, ISBN 978-83-8098-067-9

2015

1. Gospodarki centralnie kierowane - bilans zamknięcia, Chumiński Jędrzej, IN: Liberalizm czy interwencjonalizm? Kształtowanie się ładu społecznego w Europie w latach 1989-2014 / Ciborowski Robert [i in.] (ed.), 2015, Białystok, Wydawnictwo Uniwersytetu w Białymstoku, pp.85-107, ISBN 9788374314527

2014

1. Robotnicy przemysłowi w Drugiej Rzeczypospolitej - analiza społeczno-demograficzna, Chumiński Jędrzej, IN: Praca i społeczeństwo Drugiej Rzeczypospolitej / Mędrzecki Włodzimierz, Leszczyńska Cecylia (ed.), Metamorfozy Społeczne, 2014, nr 9, Warszawa, Instytut Historii PAN, pp.127-154, ISBN 978-83-63352-31-8

2013

1. Społeczne bariery rozwoju gospodarki socjalistycznej w Polsce, Chumiński Jędrzej, IN: W poszukiwaniu modelu gospodarki centralnie kierowanej / Jachowicz Piotr (ed.), 2013, Warszawa, Oficyna Wydawnicza - Szkoła Główna Handlowa, pp.147-184, ISBN 978-83-7378-778-0

Number of PhD Students promoted:

3

Prof. Dr. hab. Ing.

Joanna Harasym

Wrocław University of Economics and Business and Business

Functions held (current and past - as of 2018):

2025 - currently - Coordinator of Strategic Priority 4 Science of the Strategy 2030 of the Wrocław University of Economics and Business.
2025 - present - Member of the Strategic Investment Team of the Wrocław University of Economics and Business.
2020 - present - Member of the Rector's Committee on International Cooperation.
2020 - current - Chair of the Faculty Committee on International Cooperation.
2020 - present - member of the Council of the Discipline Food and Nutrition Technology.
2020 - 2024 - Representative of the Food and Nutrition Technology Discipline.
2018 - 2024 - Member of the Senate of the Wrocław University of Economics and Business.
2019 - present - Head of the Department of Biotechnology and Food Analysis.
2018 - present - Director of the Research Centre - Adaptive Food Systems Accelerator.

List of published scientific output:

1. **Harasym J.;** „Biotechnologiczne możliwości w tworzeniu czystych technologii", Ekologia i Technika, 1996, (4) 2, pp 27-30
2. **Harasym J.,** Gryka jako źródło związków organicznych i minerałów. Prace Naukowe Uniwersytetu Ekonomicznego we Wrocławiu. Nauki Inżynierskie i Technologie, 2009, 57(1), s. 159-169
3. **Harasym J.,** Otręby pszenne jako surowiec w biorafinerii, Prace Naukowe Uniwersytetu Ekonomicznego we Wrocławiu nr 92, Nauki Inżynierskie i Technologie nr 2, 2010, s. 64-76

4. **Harasym J.,** Pieciuń T.: Nietypowe słody piwowarskie – przegląd, Prace Naukowe Uniwersytetu Ekonomicznego we Wrocławiu nr 92, Nauki Inżynierskie i Technologie nr 2010, s. 77-91
5. **Harasym J.,** Olędzki R., Pietkiewicz J.J., Substancje o działaniu przeciwutleniającym obecne w owsie, Prace Naukowe Uniwersytetu Ekonomicznego we Wrocławiu, Nauki Inżynierskie i Technologie nr 3, 2011, s. 71-79
6. **Harasym, J.,** Biorafinacja ziarna zbożowego, Przegląd Zbożowo-Młynarski, 6, 2011, pp 5-7
7. **Harasym J.,** Biorafinerie - systemy i przykłady realizacji w Europie, Przegląd Zbożowo-Młynarski, 4, 2011, pp 8 – 9
8. **Harasym J.,** Owies - zboże przyszłości, Nasza Rola, (35) 4/2011, s. 15-20
9. **Harasym J.,** Obecny status owsa w diecie bezglutenowej, Prace Naukowe Uniwersytetu Ekonomicznego we Wrocławiu, Nauki Inżynierskie i Technologie nr 3, 2011, s. 57-71
10. Podeszwa T., **Harasym J.,** Perspektywy rynku piwa bezglutenowego w Europie. Przemysł fermentacyjny i owocowo-warzywny, 2013, 5-6, pp 14-18
11. **Harasym, J.,** Olędzki, R. Effect of fruit and vegetable antioxidants on total antioxidant capacity of blood plasma, Nutrition, 2014, 30, 511-517
12. **Harasym, J.,** Podeszwa, T. 2015. Towards sustainable de-growth - medical survey data as predictors for estimation of niche market value - gluten-free beer market case, Journal of Cleaner Production, 2015, 108, Part A, 1232–1238
13. **Harasym, J.,** Biorafineria zbożowa - substancje czynne w otrębach pszennych i metody ich otrzymywania, Przegląd Zbożowo-Młynarski, 7 (58), 2015, pp 20-22
14. Choromanska, A., Kulbacka, J., Rembialkowska, N., Pilat, J., Oledzki, R., **Harasym, J.,** Saczko, J. Anticancer properties of low molecular weight oat beta-glucan – An in vitro study, International Journal of Biological Macromolecules, 2015, 80, 23-28
15. **Harasym, J.,** Biorafinerie zbożowe - problemy i wyzwania, Przegląd Zbożowo-Młynarski, 6, 2015, 2-4
16. Błaszczyk, K.; Wilczak, J., **Harasym, J**., Gudej, S., Suchecka, D., Królikowski, T., Lange, E.,Gromadzka-Ostrowska, J., Impact of low and high molecular weight oat beta-glucan on oxidative stress and antioxidant defense in spleen of rats with LPS induced enteritis, Food Hydrocolloids, 2015, 51, pp 272-280
17. **Harasym, J.,** Pejcz, E. Development of a Sweet High-Fiber Wafer with Oat Bran, Cereal Foods World; 2015, 60 (2), 84-88
18. **Harasym, J**., Biorafinerie - rozwój konceptu, Przegląd Zbożowo-Młynarski, 2015, 5, 2–4
19. **Harasym, J**., Wybrane substancje bioaktywne obecne w ziarnie żyta, Przegląd Zbożowo-Młynarski, 2015, 4, 5-7
20. Suchecka, D., **Harasym, J.,** Wilczak, J., Gajewska, M., Oczkowski, M., Gudej, S., Błaszczyk, K., Kamola, D., Filip, R., Gromadzka-Ostrowska, J. Antioxidative and anti-inflammatory

effects of high beta-glucan concentration purified aqueous extract from oat in experimental model of LPS-induced chronic enteritis, Journal of Functional Foods, 2015, 14, 244-254

21. Wilczak, J., Błaszczyk, K., Kamola, D., Gajewska, M., **Harasym, J**., Jałosińska, M., Gudej, S., Suchecka, D., Oczkowski, M., Gromadzka-Ostrowska, J. 2015. Effect of low or high molecular weight oat beta-glucans on inflammatory and oxidative stress status in colon in rats with LPS-induced enteritis, Food & Function, 2015, 6(2), pp 590-603, DOI
22. Parzonko, A., Makarewicz-Wujec, M., Jaszewska, E., **Harasym, J.,** Kozłowska-Wojciechowska, M. 2015, Pro-apoptotic properties of (1,3)(1,4)-β-D-glucan from Avena sativa on human melanoma HTB-140 cells in vitro, International Journal of Biological Macromolecules, 2015, 72, 757-763
23. **Harasym, J.,** Suchecka, D., Gromadzka-Ostrowska, J. Effect of raw material size reduction by freeze-milling on beta-glucan recovery process from oat bran, Journal of Cereal Sciences, 2015, 61, pp 119-125
24. **Harasym, J.,** Jeszcze raz o miłce abisyńskiej (Eragrostis tef) - cennym afrykańskim zbożu, Przegląd Zbożowo-Młynarski, 10, 2015, pp 10 – 13
25. **Harasym, J.,** Inne zboża jako surowce w biorafinerii, Przegląd Zbożowo-Młynarski, 9, 2015, pp 11 – 12
26. **Harasym, J.,** Otręby pszenne – metody funkcjonalizacji surowca, Przegląd Zbożowo-Młynarski, 8, 2015, pp 2 – 5
27. Podeszwa, T., **Harasym, J.** New methods of hopping (dryhopping) and their impact on sensory properties of beer, Acta Innovations, 2016, 21, 81-88, 81
28. Suchecka, D., **Harasym, J.,** Wilczak, J., Gromadzka-Ostrowska, J. 2016. Hepato- and gastro- protective activity of purified oat 1-3, 1-4-beta-D-glucans of different molecular weight, International Journal of Biological Macromolecules; 2016, 91, 1177-1185
29. Suchecka, D., Gromadzka-Ostrowska, J., Żyła, E., **Harasym, J.,** Oczkowski, M. Selected physiological activities and health promoting properties of cereal beta-glucans. A review. Journal of Animal Feed Science; 2017, 26(3),183–191,
30. Choromańska, A, Kulbacka, J, **Harasym, J,** Dubińska-Magiera, M, Saczko, J. Anticancer activity of oat β-glucan in combination with electroporation on human cancer cells. Acta Poloniae Pharmaceutica ñ Drug Research, 2017, 74,2, 616- 23
31. **Harasym, J.,** Podeszwa, T., Bogacz-Radomska, L., Krzyżówki drożdży browarniczych. Cz. 2. Tworzenie i wykorzystanie krzyżówek międzygatunkowych w browarnictwie Przemysł Fermentacyjny I Owocowo-Warzywny, 2017, 9, 109565
32. **Harasym, J.,** Podeszwa, T., Bogacz-Radomska, L., Krzyżówki drożdży browarniczych. Cz. 1. Historia, stan obecny i perspektywy, Przemysł Fermentacyjny I Owocowo-Warzywny, 2017, 7, 108399

33. Olędzki, R., **Harasym, J.,** Zmiany aktywności dysmutazy ponadtlenkowej i katalazy w zróżnicowanych wiekowo krwinkach czerwonych u osób starszych, Problemy Higieny i Epidemiologii, 2017, 98 (1), 89-98
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8. **Harasym J.,** „Reducing Of Sugar Content In Citric Acid Post Fermentation Broth", Proceedings of the 31st International Conference of the Slovak Society of Chemical Engineering, Tatranské Matliare, 24-28.05. 2004 (Markos, J. and Stefuca, V., Editors), Slovak University of Technology, Bratislava, 2004, ISBN 80-227-2052-6, str. 063-1 – 063-4.
9. **Harasym J.,** Leśniak W., "Purification of citric acid post fermentation broth with physical factors" Proceedings of 33rd International Conference of Slovak Society of Chemical Engineering, Tatranske Matliare, Slovakia, 22-26.05.2006 r., (Markos, J. and Stefuca, V., Editors), Slovak University of Technology, Bratislava,2006, ISBN 8022724092
10. **Harasym J.,** Leśniak W., „Citrates recovery from mediums after citric acid biosythesis by Yarrowia lipolytica" Proceedings of 32nd International Conference of the Slovak Society of Chemical Engineering, Tatranské Matliare, 23-27.05.2005 (Markos, J. and Stefuca, V., Editors), Slovak University of Technology, Bratislava, 2005, ISBN: 8022722243
11. **Harasym J.,** Effect of Na+ and K+ overdosing during neutralization on purity of kojic acid crystals, Proceedings of 35th International Conference of Slovak Society of Chemical Engineering, Tatranske Matliare, Slovakia, 26-30, 05.2008r., (Markos, J. and Stefuca, V., Editors), Slovak University of Technology, Bratislava, 2008.ISBN 978-80-227-2903-1
12. **Harasym J.,** Recovery of kojic acid from impure process streams by ultrafiltration, Proceedings of 35th International Conference of Slovak Society of Chemical Engineering, Tatranske Matliare, Slovakia, 26-30, 05.2008r., (Markos, J. and Stefuca, V., Editors), Slovak University of Technology, Bratislava, 2008.ISBN 978-80-227-2903-1
13. **Harasym J.,** Purification of kojic acid post fermentation broth" Proceedings of 34th International Conference of Slovak Society of Chemical Engineering, Tatranske Matliare, Slovakia, 21-25.05.2007 r., (Markos, J. and Stefuca, V., Editors), Slovak University of Technology, Bratislava, 2007.ISBN 978-80-227-2640-5, str. 276-1 – 276-6
14. **Harasym J.,** „Citric Acid Recovery By Ultrafiltration", Proceedings of 31st Proceedings of the 31st International Conference of the Slovak Society of Chemical Engineering, Tatranské Matliare, 24-28.05. 2004 (Markos, J. and Stefuca, V., Editors), Slovak University of Technology, Bratislava, 2004, ISBN 80-227-2052-6, str.065-1 – 065-4
15. **Harasym J**., „Reducing Of Sugar Content In Citric Acid Post Fermentation Broth", Proceedings of the 31st International Conference of the Slovak Society of Chemical Engineering, Tatranské Matliare, 24-28.05. 2004 (Markos, J. and Stefuca, V., Editors), Slovak University of Technology, Bratislava, 2004, ISBN 80-227-2052-6, str. 063-1 – 063-4
16. **Harasym J.,** Leśniak W., "Purification of citric acid post fermentation broth with physical factors" Proceedings of 33rd International Conference of Slovak Society of Chemical Engineering, Tatranske Matliare, Slovakia, 22-26.05.2006 r., (Markos, J. and Stefuca, V., Editors), Slovak University of Technology, Bratislava, 2006, ISBN 8022724092
17. **Harasym J.,** Leśniak W., „Citrates recovery from mediums after citric acid biosythesis by Yarrowia lipolytica" Proceedings of 32nd International Conference of the Slovak Society

of Chemical Engineering, Tatranské Matliare, 23-27.05.2005 (Markos, J. and Stefuca, V., Editors), Slovak University of Technology, Bratislava, 2005, ISBN: 8022722243

18. Olędzki R., Lutosławski K., **Harasym J.** [i in.]: Aktywność przeciwutleniająca owoców hybrydowych odmian winorośli uprawianych w Polsce, IN: XIII Ogólnopolska Konferencja Naukowa Technologów Przetwórstwa Owoców i Warzyw. Przetwory owocowe, warzywne i grzybowe - dla zdrowia i zrównoważonego rozwoju, 2022, Warszawa, Instytut Ekonomiki Rolnictwa i Gospodarki Żywnościowej - Państwowy Instytut Badawczy, pp. 34-35, ISBN 9788396386106
19. **Harasym J.,** Orkusz A., Kaim U., Impact of cricket (Acheta domesticus) flour addition on the viscometric profiles of flour mixtures. Proceedings of the 10th International Congress Flour-Bread 2019 and 12th Croatian Congress of Cereal Technologists Brasno-Kruh 2019. Osijek, Croatia, June 11-14, 2019 / Strelec Ivica, Jozinović Antun, Budzaki Sandra, Flour–Bread. Proceedings, 2020, Osijek, Josip Juraj Strossmayer University of Osijek , pp. 125-131
20. **Harasym J.,** Kaim U., Orkusz A., Ultrasound sonication effects on the pasting properties of buckwheat flour , Proceedings of the 10th International Congress Flour-Bread 2019 and 12th Croatian Congress of Cereal Technologists Brasno-Kruh 2019. Osijek, Croatia, June 11-14, 2019 / Strelec Ivica, Jozinović Antun, Budzaki Sandra, Flour–Bread. Proceedings, 2020, Osijek, Josip Juraj Strossmayer University of Osijek , pp. 49-54

List of other scientific papers or works including with bibliographic data clearly identifying the work in question or the presentation of those works:

1. **Harasym J.** Microbiological degradation of model petroleum effluents. Master Thesis, Faculty of Fundamental Technological Research, Wrocław University of Technology, Wrocław, 1994.
2. **Harasym J.** Report on research work according to the Contract for specific work No. 0.923 dated 03.10.1994 with the Racibórz Sugar Factory entitled: Development and verification of methods for the isolation of citric acid from fermentation solutions. Faculty of Industrial Engineering and Economics, Wrocław University of Economics and Business, Wrocław, 1994
3. **Harasym J.** Report on research work according to the Contract for specific work No. 0.981 dated 16.05.1996 with the Racibórz Sugar Factory entitled "Development of methods for analytical control of the L-lysine biosynthesis process". Faculty of Industrial Engineering and Economics, Wrocław University of Economics and Business, Wrocław,
4. **Harasym J.** Report on the research work according to the Contract of Work No. 0.981 dated 16.05.1996 - lysine with Cukrownia Racibórz titled: "Derivation of pure cultures from strains, preparation of inoculates for 20 plunge fermentations". Faculty of Industrial Engineering and Economics, Wrocław University of Economics and Business, Wrocław,

5. **Harasym J.** Report on research work according to the Contract of Work No. 0.981 dated 16.05.1996 with Cukrownia Racibórz entitled Selection of fermentation conditions and substrate composition in fermentations carried out on shakers. Faculty of Industrial Engineering and Economics, Wrocław University of Economics and Business, Wrocław,
6. **Harasym J.** Substantive report on the realisation of own research entitled: Preparation of citrates from post-fermentation solutions of citric acid. Faculty of Industrial Engineering and Economics, Wrocław University of Economics and Business, Wrocław, 2001.
7. **Harasym J.** Studies on the secretion of citric acid and its salts from digestion fluids. Doctoral dissertation, Faculty of Industrial Engineering and Economics, Wrocław University of Economics and Business, Wrocław, 2003.
8. **Harasym J.** Substantive report on the realisation of the MNil promoter grant no. 0827/P06/2003/24 entitled Research on the purification of post-fermentation solutions of citric acid and its salts. Faculty of Engineering and Economics of Industry, Wrocław University of Economics and Business, Wrocław,
9. **Harasym J. Substantive** report on the realisation of own research entitled: Separation of selected organic acids and their salts from substrates after biosynthesis with the participation of microorganisms, Faculty of Industrial Engineering and Economics, Wrocław University of Economics and Business, Wrocław,
10. **Harasym J.** Review of the current state of the art in the biorefining of oat Avena sativa (literature studies). Report No. 1/2007 from the implementation of the scientific research project under contract No. 13/2007 (0291) with Przedsiębiorstwo Wielobranżowe Futurum Sp. z o.o., 42-200 Częstochowa, Faculty of Engineering and Economics, Wrocław University of Economics and Business, Wrocław,
11. **Harasym J.** Development of theoretical assumptions of the technological process, research methodology and optimisation of research and apparatus facilities for the separation of beta-glucan from oats. Report No. 2/2007 from the implementation of the scientific research project under contract No. 13/2007 (0291) with Przedsiębiorstwo Wielobranżowe Futurum Sp. z o.o., Częstochowa, Faculty of Engineering and Economics, Wrocław University of Economics and Business, Wrocław,
12. **Harasym J.** Evaluation of properties, chemical composition and technological features of Avena sativa oat cultivars available on the Polish market in terms of suitability for processing. Report No. 3/2007 from the realisation of the first stage of a scientific research project under the agreement No. 57/2007 (0302) with Przedsiębiorstwo Wielobranżowe Futurum Sp. z o.o., Częstochowa; Faculty of Engineering and Economics, Wrocław University of Economics and Business, Wrocław, 2007.
13. **Harasym J.** Development of a technological process for obtaining ß-glucan from oat Avena sativa on laboratory scale. Report No. 4/2007 from the realisation of the second stage of the scientific research project under contract No. 57/2007 (0302) with Przedsiębiorstwo Wielobranżowe Futurum Sp. z o.o., Częstochowa; Faculty of Engineering and Economics, Wrocław University of Economics and Business, Wrocław,

14. **Harasym J.** Development of assumptions for the technological process of biorefining barley Hordeum vulgare to produce components with high biological activity. Report on the implementation of the contract No. R/DOP/16-C/08 with Przedsiębiorstwo Wielobranżowe Futurum Sp. z o.o., Częstochowa; Faculty of Engineering and Economics, Wrocław University of Economics and Business, Wrocław,
15. **Harasym J.** Development of technical and technological assumptions for the process of biorefining oats and oat derivatives and the technological line - study for the application 5.1. Supporting the development of cooperative relations of supra-regional importance as part of the action in the Nutribiomed Cluster, Faculty of Engineering and Economics, Wrocław University of Economics and Business, Wrocław, Wrocław,
16. **Harasym J.** Substantive report on the realisation of own research entitled Evaluation of the usefulness of oats and barley as a source of biologically active compounds with high added value, Faculty of Engineering and Economics of Industry, University of Economics in Wrocław, Wrocław,
17. **Harasym J.** Concept development of the possibility of using oat fibre concentrate with beta-glucan as an ingredient in extruded bread. Report from research work no. R/DOP-0161-1-123/11 with Healthy Food Production S.A. Wroclaw, Faculty of Engineering and Economics, Wroclaw University of Economics, Wroclaw, 2011.
18. **Harasym J.** Beta-1-3,1-4-D- glucan - a hydrocolloid from oats as a calorie-free fat substitute. Report on the implementation of the agreement dated 06.06.2013 with Otrey sp. z o.o. Warsaw, Wrocław,
19. **Harasym J.** Substantive report on the realisation of own grant research grant no. NN312506640, entitled. Microwave-assisted extraction of beta-glucan and compounds with antioxidant activity from oat seed Avena sativa L. Faculty of Industrial Engineering and Economics, Wrocław University of Economics and Business, Wrocław,
20. **Harasym J.,** Substantive report of the Miniatura 2 research task entitled (2018/02/X/NZ9/01693). Title: Influence of mechanical energy on physicochemical properties of plant raw materials rich in protein and starch. Faculty of Industrial Engineering and Economics, Wroclaw University of Economics, Wroclaw, 2019.
21. **Harasym J.** Substantive report on the implementation of the WUEB research grant, Title: Creative sectors in the food industry and value addition in the bioeconomy. Faculty of Industrial Engineering and Economics, Wrocław University of Economics and Business, Wrocław, 2020.
22. **Harasym J.** Substantive report on the realisation of the research grant competition Fast Track 1/1.1.1/2021, National Centre for Research and Development. Title: Pierogi polskie - development of recipes for wheat and gluten-free dumplings with increased nutritional quality suitable for machine shaping of dumplings. NCBR, 2023.
23. **Harasym J.** Substantive report on the implementation of the research grant competition RPDS.01.02.01-IP.01-02-372/19. Title: Innovative modules for storage and non-conventional preservation and distribution of high-quality food. DIP, 2022.
24. **Harasym J.** Substantive report on the implementation of the research grant competition RPDS.01.02.01-IP.01-02-372/19. Title: Technology for the production of

disposable, biodegradable and ecological vessels based on bran from milled spelt, small spelt and flat spelt, DIP, 2022.

25. **Harasym J.** Substantive report on the implementation of the research grant Competition Voucher for Innovation! Innovation = Competitiveness. Innovation II Edition. Vouchers for process and product innovations for Lower Silesian enterprises" carried out by the Lower Silesian Employers Organisation in partnership with the Lower Silesian Innovation and Science Park. Development of innovative cosmetics based on therapeutic water. 05/WoG/1BNI/DPIN/2022, DPIN 2022.
26. **Harasym J.** Substantive report on the implementation of the research grant competition Voucher for Innovation! Innovation = Competitiveness. Innovation II Edition. Vouchers for process and product innovations for Lower Silesian enterprises" carried out by the Lower Silesian Employers' Organisation in partnership with the Lower Silesian Innovation and Science Park. Development of innovative cosmetic formulas based on edible medicinal mushrooms. 08/WoG/1BNI/DPIN/2022, DPIN 2022.
27. **Harasym J.** Substantive report on the implementation of the POLS research grant, NCN (2020/37/K/ST5/03602). Title: Modification of gluten-free flours with high nutritional value by innovative heat and moisture treatment to develop improved bakery products. Norwegian-Polish funds. University of Economics in Wrocław, Wrocław, 2023.

Information on participation in the work of research teams carrying out projects financed through national or foreign competitions, with a breakdown into completed and ongoing projects and including information on the function performed within the work of these teams, together with information on the number of the project in question and the name of the entity which assigned it:

National projects in progress:

1. 2023-2026 - OPUS 24 research grant, NCN (2022/47/B/NZ9/03123). Title: Effect of beta-glucan from oats in Crohn's disease - a preclinical study.
   Project manager at WUEB: Joanna Harasym, , start date 20-06-2023, end date 19-06-2026, Implemented COBN.
   Project carried out in a consortium of 4 units: Warsaw University of Life Sciences, Wrocław University of Economics and Business (WUEB), Jan Kielanowski Institute of Animal Physiology and Nutrition of the Polish Academy of Sciences, Institute of Chemistry and

Nuclear Technology, - Head of Task 1 implemented at WUEB and Lead Expert in the project - PLN 1,147,705 - in progress.
Crohn's disease, one of the gastrointestinal disorders increasingly prevalent in developed societies, mainly affects the very young and children. It is a very troublesome condition for patients and, in addition to an autoimmune background, disorders in the composition and metabolism of the intestinal microbiota play an important role in its onset. The number and mutual quantitative ratio of individual types of bacteria inhabiting the human gastrointestinal tract are significantly influenced by the quantitative and qualitative composition of the food consumed. Pharmacological therapy of Crohn's disease is very invasive for the organism and burdensome for patients, so effective nutritional therapies based on biologically active components of plant origin are being sought to effectively reduce the clinical symptoms of the disease, as well as to accelerate the onset of the remission period and prolong its duration. Previous research results indicate that such plant components could be polysaccharides isolated from oat grains, which are part of the soluble fibre fraction - low molar mass beta-glucans. The results of studies in animal models of various human gastrointestinal diseases, as well as in cell lines, including cancer cells, have shown many health-promoting effects of these compounds. These include immune-stimulating effects, as well as anticancer and prebiotic effects, i.e. stimulating gastrointestinal bacteria. The aim of this project is to investigate the therapeutic effects of beta-glucan from low-molar-weight oats on two models of Crohn's disease: a domestic pig, in which the condition will be induced by a chemical agent (in vivo model), and a culture composed of three types of human colonic epithelial cells, in which the lesions characteristic of the condition will be induced by one of the main inflammatory agents in Crohn's disease (in vitro model). The results obtained on the pig model will have the value of preclinical studies of the therapeutic effect of beta-glucans from low molar weight oats in Crohn's disease, as the anatomy, physiology and microbiology of the digestive tract of this animal is very similar to those attributes of the human digestive tract. The results of the cell model study will provide insight into the molecular mechanisms of the therapeutic action of beta-glucan from low molar mass oats in Crohn's disease. Analysis of the biological material obtained both in vivo and in vitro will be carried out using novel methods, including next-generation sequencing (NGS) to determine very precise changes in the composition and abundance of intestinal bacteria at genus and species level, as well as immunohistochemical localisation in intestinal cells of proteins responsible for their apoptosis and proliferation and the tight junctions between intestinal epithelial cells. Markers of inflammation, the expression of their genes and neurotransmitters will also be determined, allowing the extent of involvement of the regulatory gut-brain axis in the mechanisms of therapeutic action in Crohn's disease of oat beta-glucans to be determined.

2. 2023-2026 - Research and Development Grant, National Centre for Research and Development (Narodowe Centrum Badań i Rozwoju – NCBiR), First competition of the Government Programme NUTRITECH - Nutrition in light of the challenges of improving

societal well-being and climate change. Title VIVAFER - High fibre and high protein innovative dry wafer.
Consortium Eurowafel sp. k. sp. z o.o./ Wroclaw University of Economics - R&D Manager - PLN 4,200,324.06 - 2022-2025 in progress. Project manager at WUEB: Joanna Harasym, start date 01-03-2024, end date 31-01-2027, Implemented IP.
The overall objective of the project is to provide solutions in the field of innovative pro-health foodstuffs, as well as technologies enabling their manufacture using, among other things, alternative sources of protein in a manner compatible with a closed loop economy. The subject of the project is to conduct industrial research and development work, the result of which will be the development of a pro-health recipe and industry. technology for the production of a pro-health product - a dry wafer, so-called cake, with improved nutritional characteristics, in particular increased protein and fibre content and reduced glycaemic index. The implementation of the nutritionally enhanced wafer will facilitate the minimisation of the health effects of poor eating patterns, by increasing the nutritional value of this key component of many sweet and salty snacks. The project includes industrial research on the development of wafer recipes using flours from unmodified wheat varieties and high-fibre and high-protein additives, analysis of their functional and sensory characteristics, analysis of the baking process and development of technology and a prototype production line, and development work covering analysis and verification of the continuous production process of the previously developed recipes, in particular rheological analysis of the production quality of the wafer dough and the resulting wafers in the continuous production process. The recipients of the project's results are consumers consuming sweet and salty snacks made with wafers or wafer batter. As industry research shows, the snack market is growing year on year. However, the traditional product selection criteria in the food market (price, taste and quality) are now linked to a new group of criteria: health and well-being, safety and transparency. The implementation of the project will make it possible to market an alternative, more nutritious and less harmful product, which is an ingredient in a great many snacks.

3. 2024-2027 - Research and Development Grant, NCBR, Programme Leader XIV, Technology for processing coloured maize grain to produce a gluten-free raw material with high nutritional and functional parameters, Contractor, PLN 1,780,000.00 in progress.
4. 2022 - 2025 - R&D Grant from the Ministry of Agriculture and Rural Affairs, Top quality honey produced in a sustainable environment of a smart hive for better bee colony health. Rural Development Programme 2014 - 2020 - Measure 16 Cooperation, Principal Investigator PLN 2,283,612.00 - ongoing.

National projects completed:

1. 2021-2023 - Research grant POLS, NCN (2020/37/K/ST5/03602). Title: Modification of gluten-free flours with high nutritional value by innovative heat and moisture treatment to develop improved bakery products. Norwegian-Polish funds . Lead expert and mentor

for two female scientists from abroad Dr Marina Villanueva and Dr Tetiana Lisovska (acting as Project Manager) - 551 250 PLN - completed.
Co-founder and co-initiator of the project. In this project I acted as research initiator, lead expert and mentor. The project was a summary of an earlier internship by Dr Marina Villanueva (Spain) in the laboratories of the Department of Biotechnology and Food Analysis, which I direct. After one year, there was a resignation of Dr Villanueva due to personal reasons. When negotiating with the National Science Centre, I exceptionally obtained permission to change the project manager. I recruited Dr Tetiana Lisovska, a refugee from Ukraine, who completed the project. The results of the research have been presented at 6 international conferences (2021 - online due to COVID pandemics, 2022 - Greece, 2023 - Estonia, North Macedonia, Italy, Malaysia), so far 4 scientific articles have been published in journals from the MNiSW list, including 3 from the JCR list.

2. "Voucher for Innovation! Innovation = Competitiveness. Innovation II Edition. Vouchers for process and product innovations for Lower Silesian enterprises" carried out by the Lower Silesian Employers' Organisation in partnership with the Lower Silesian Innovation and Science Park. Measure 1.2 Innovative enterprises Sub-measure 1.2.2 Innovative enterprises Scheme 1.2.1.C.b Priority axis 1 Enterprises and innovation RPO WD 2014-2020. Development of innovative recipes of cosmetics based on edible medicinal mushrooms. R&D Manager. 08/WoG/1/BNI/DPIN/2022. 164 750.00.
   Co-founder and originator of the project. In the project I acted as R&D manager and principal investigator, 3 patents were filed.
3. " Innovation voucher! Innovation = Competitiveness. Innovation II Edition. Vouchers for process and product innovations for Lower Silesian enterprises" carried out by the Lower Silesian Employers' Organisation in partnership with the Lower Silesian Innovation and Science Park. Measure 1.2 Innovative enterprises Sub-measure 1.2.2 Innovative enterprises Scheme 1.2.1.C.b Priority axis 1 Enterprises and innovation RPO WD 2014-2020. Development of innovative cosmetics based on therapeutic water. R&D manager. 05/WoG/1BNI/DPIN/2022 . 164 750.00 PLN.
4. 2021-2022 - Research and development grant from the ROP for the Lower Silesian Voivodship (Poland) 2014-2020, co-financed from the ERDF under Priority Axis 1 "Enterprises and innovation" Task 1.2 "Innovative enterprises" Sub-task 1.2.1 "Innovative enterprises - horizontal competition" Scheme 1.2 A "Support for enterprises wishing to start or develop R&D activity". - RPDS.01.02.01-IP.01-02-372/19. Title: Technology for the production of disposable, biodegradable and ecological dishes based on bran from milled spelt, small spelt and flat spelt . R&D Manager - PLN 7 349 202,89
5. 2021-2022 - R&D grant from the Regional Operational Programme for the Lower Silesian Voivodship (Poland) 2014-2020, co-financed by the European Regional Development Fund under Priority Axis 1 "Enterprises and Innovation" Task 1.2 "Innovative enterprises" Sub-measure 1.2.1 "Innovative enterprises - horizontal competition" Scheme 1.2 A "Support for enterprises wishing to start or develop R&D activities" - RPDS.01.02.01-IP.01-02-372/19. Title: Innovative modules for the storage and unconventional preservation

and distribution of high-quality food. R&D on the construction of modular facilities to improve quality of life - ReadyNow. R&D Manager, PLN 2 490 552.60

6. 2021-2023 - R&D grant from the Operational Programme Intelligent Development 2014-2020, Task 1.1/Task 1.1.1 (competition 1/1.1.1/2021), National Centre for Research and Development. Title: Pierogi polskie - development of recipes for wheat and gluten-free pierogi with increased nutritional quality, suitable for machine moulding. R&D Manager 1 808 064,96 PLN
7. 2019 - 2024 - OPUS research grant - NCN (2018/29/B/NZ9/01060). Mechanisms of action of 1-3,1-4-beta-D-glucan from oats in early stages of colon carcinogenesis. PLN 1,073,200.00, Lead expert. - completed
8. 2019-2020 - WUEB Research Grant, Title: Creative sectors in the food industry and value addition in the bioeconomy. Project manager - PLN 100,000.00. The project was funded by the Ministry of Science and Higher Education under the Regional Excellence Initiative 2019-2022 programme, project number 015/RID/2018/19, with total funding of PLN 10,721,040.00 - completed
9. 2018-2019 - NCN MINIATURE research grant (2018/02/X/NZ9/01693). Title: Influence of mechanical energy delivered by ultrasound on physicochemical characteristics of plant raw materials rich in protein and starch. Project manager at WUEB, start date 04-12-2018, end date 03-12-2019, [COBN-IPHARASYM326], PLN 50,000.00. Implemented COBN, IP (COP_01)-completed.

   The preliminary research planned in the proposal is original experimental work undertaken to gain new knowledge on the fundamentals of phenomena resulting in structural and chemical transformations in plant raw materials, especially those rich in polysaccharides and proteins, as a result of their exposure to energy delivered by a mechanical (acoustic) wave. The dose of energy delivered to the plant raw material, makes it possible to reorganise its molecular structure, leading to new functional properties. In the planned research, by analysing changes in the physico-chemical characteristics of the raw material as a result of exposure to an acoustic wave (ultrasound), new knowledge will be gained on the interaction between the individual components of the plant matrix and their influence on the functional properties of the raw material.
10. 2016-2019 - National Science Centre research grant (2015/17/B/NZ9/01740) - Effect of soluble fraction of oat beta-glucans on inflammatory bowel disease - Principal investigator - PLN 801,200.00.
11. 2011 - 2015 - National Science Centre research grant (N N312 506640) - Microwave extraction of beta-glucans and antioxidant compounds from Avena sativa L. - Project leader - PLN 216 295.00.
12. 2011 - 2015) - Patent Plus Development Grant from the National Centre for Research and Development (PMPP/W/20-03.11) - Co-financing of a PCT application for two patent applications by Joanna Harasym (Cakes, in particular wafers and a method of making cakes, in particular wafers PCT/P2011/000143 and Flour with reduced caloricity

PCT/P2012/00004) and co-financing of a patent agent application - Project Manager - PLN 200,000.00

13. 2011 - 2014 - National Science Centre research grant (N N312 427440) - Effect of oat beta-glucan on gastrointestinal inflammatory process. - Main co-contributor. - 488 800 PLN.
14. 2008 - 2011 - R&D grant from the Polish Agency for Development and Entrepreneurship - Development of cooperation of the Nutribiomed Cluster towards innovative solutions - Main contractor - development, design and construction of a pilot oat biorefining plant. 13,100,000.00 PLN.
15. 2009-2011 - Internal Research Grant, Wrocław University of Economics and Business, Poland - Evaluation of oats and barley as sources of bioactive value-added compounds - Principal Investigator - PLN 50,000.00.
16. 2007-2008 - Internal Research Grant, Wrocław University of Economics and Business, Poland - Breeding of fodder yeasts on distillery broths - Co-convener - PLN 50,000.00.
17. 2004-2006 - Internal Research Grant, University of Economics in Wrocław, Poland - Extraction of organic acids and their salts from digestion broth - main contractor - 50 000,00 PLN
18. 2003 - 2005 - Research grant (0827/P06/2003/24) from the Ministry of Science and Information Technology - Study of the purification of citric acid solution and its salts after biosynthesis - main contractor. 24 000,00 PLN.

International grants completed:

1. 2017-2019 - Research grant from the Regional Ministry of Education of the Autonomous Region of Castile-Leon, Spain (JCyL/FEDER) (ref: VA072P17). Application of electromagnetic waves to gluten-free flours for the adaptation of its structure and functionality to the needs of the food industry. Development of better quality products. Main contractor - EUR 52 000.00 - completed.
2. 2016-2018 - Research and training grant project BREADFORALL (GA 706102), European Commission - Marie Skłodowska-Curie Individual Action Fellowship, IF - MSCA Fellowship, - Improving gluten-free flours functionality by MW treatments; a tool for high quality of gluten-free bakery (physical, sensorial and nutritional). Project Manager - EUR 170 121.60 - completed.
3. 2016 - 2019 - Research grant from the Ministry of Economy and Competitiveness (MINECO/FEDER) (AGL2015-63849-C2-2-R). Impact of microwave and ultrasound on gluten-free flours functionality: structuring ability in gluten-free breadmaking matrices. Main contractor - €46,000.00 - completed.

Information on the completion of scientific internships in scientific institutions, including abroad, with the place, date, duration and description of their course:

1. Universidad de Salamanca, Spain, 16-31.04.2012, Salamanca, Spain (post-doctoral training, Leonardo Da Vinci Programme) Europass Mobility by Wrocław University of Economics and Business, PL-00-2011-1036-002-LEO.
2. Universidad Autonoma Barcelona, Spain, 02-09.09.2012, Barcelona, Spain, (post-doctoral fellowship, Programme POIG. 4.2).
3. Universidad de Valladolid, 01.09.2016 - 31.08.2018, Valladolid (postdoctoral fellowship, Horizon 2020 Programme, **Marie Skłodowska-Curie Actions - Individual Fellowship - MSCA-IF-EF-2015).**
4. 2016 - 2024 - STT and STA stays under the Erasmus+ programme: University of Bologna, Cesena campus, Italy; 2x University of Sassari, Sassari, Italy; University of Tetova, Northern Macedonia; University of Malta, Msida, Malta; University of Porto, Porto, Portugal; University of Reunion, Saint Denis, France; University of Thessaly, Karditsa, Greece; University of Bitola, Skopje, Northern Macedonia; University Polytechnique of Valencia, Valencia, Spain; 3 x Marche Polytechnic University, Ancona, Italy, University of Milan, Milan, Italy; University of Stefan cel Mare, Suceava, Romania, Tallin Technical University, Tallin, Estonia, University of Economics, Varna, Bulgaria, University of Valladolid, Valladolid, Spain, University of Salerno, Fisciano, Italy.
5. PROM (PPI/PRO/2018/1/00025) at Aristotle University of Thessaloniki, Thessaloniki, Greece, Prof. Costas Biliaderis Lab., supervision - Prof. Athina Lazaridou, NAWA Scholarship, Poland. IX.2016-VIII.2018.
6. University of Mauritius, Moka, Mauritius II.2023

Information on the conduct of scientific research or development work in universities or scientific institutions, including foreign ones, with the place, date, duration and description of their course:

1. Wroclaw University of Economics and Business, Wroclaw, Poland - 1994 - present, interdisciplinary research, main areas: extraction of citric acid and other organic acids, extraction of beta-glucan from oats and barley, microwave and ultrasound modification of high starch raw materials, mainly gluten-free, exploitation and use of innovative protein sources (microalgae, edible insects, fungi).
2. Universidad de Valladolid, Valladolid, Spain - 2016 - 2018, microwave and ultrasonic modification of high-starch raw materials.

3. UNIVPM - Università Politecnica delle Marche - 2021 - present, physico-chemical and microbiological characterisation of regional foods of plant and animal origin.
4. Universitat Politècnica de València - 2017 - present - use of waste streams from the fruit and vegetable industry as a source of bioactive substances in innovative food products.
5. University "St. Kliment Ohridski", Bitola, Skopje, Northern Macedonia 2021 - present - Physico-chemical and microbiological characterisation of regional foods of plant and animal origin.
6. University of Mauritius, Moka, Mauritius - 2023 - present - physico-chemical characterisation, use of breadfruit tree leaves and seeds, characterisation of endemic plants in terms of sweeteners.
7. University of Reunion, St. Denis, Reunion, France - 2023 - Physico-chemical characterisation, use of *Moringa oleifera* leaves and seeds.

Foreign or domestic scholarships / bursaries received

2016 - 2018 - Marie Skłodowska-Curie Individual Fellowship, Horizon 2020.
2017 - Santander Universidades Scholarship.

Awards and distinctions received (national and international):

1. 1997 - **Award of the Rector of the Academy of Economics** in Wrocław for organisational activities - Inauguration of the Academic Year;
2. 2004 - **Distinction - congratulatory letter from** the Rector of the Wrocław University of Economics and Business for scientific and research activities in 2003;
3. 2007 - **Individual award -** Rector of the Academy of Economics in Wrocław for scientific research activities carried out in cooperation with an economic entity;
4. 2007 - **Individual award** - Rector of the Wrocław University of Economics and Business for scientific research activities carried out in cooperation with an economic entity ;
5. 2008 - **Bronze Medal for Long Service** awarded by decision of the President of the Republic of Poland of 21.02.2008 for exemplary, exceptionally conscientious performance of professional duties;
6. 2009 - **Diploma from the Organisers of the 15th Lower Silesian** Science **Festival**. Environmental Coordinator of the DFN Dr Kazimierz Orzechowski;.
7. 2009 - **1st degree** - **individual award** - Rector of the University of Economics in Wrocław for scientific and research activities in 2008;
8. 2010 - **Diploma from the Wrocław Council of the Federation of** Chief Technical and **Scientific Associations** for the Circle of the Association of Engineers and Technicians of the Food Industry for active participation in the XXXVII Wrocław Technology Days and popularisation of the Association's statutory activities;

9. 2010 - **2nd degree individual award** - Rector of the Wrocław University of Economics and Business for scientific and research activities in 2009;
10. 2011 - **Diploma from the Organisers of the 17th Lower Silesian Science Festival.** DFN Environmental Coordinator dr hab. Kazimierz Orzechowski, prof. UWr;
11. 2011 - **1st degree individual award** - Rector of the Wrocław University of Economics and Business for scientific and research activities in 2010;
12. 2011 - **1st Prize of the Wrocław Council of the Federation of** NOT **Scientific and Technical Associations** in the competition "For outstanding achievements in the field of technology" for 2010.
13. 2011 - **Congratulatory diploma from the Wrocław Council of the Federation of Scientific and Technical Associations of the Polish Federation of Engineering Associations** (Naczelna Organizacja Techniczna) for receiving the 1st prize in the competition "For outstanding achievements in the field of technology" carried out in 2010;
14. 2012 - **Diploma from the Organisers of the 18th** Lower Silesian Science Festival. DFN Environmental Coordinator Dr. Kazimierz Orzechowski, Prof. UWr. ;
15. 2012 - **2nd degree individual award** - Rector of the University of Economics in Wrocław for scientific and research activities in 2011;
16. 2013 - **Silver Badge of Honour of the Supreme Technical Organisation**, Wrocław WRFS NOT 2013 - First Degree Award - Individual - Rector of the Wrocław University of Economics and Business for scientific and research activities in 2012;
17. 2014 - **1st individual award** - Rector of the University of Economics in Wrocław for scientific and research activities in 2013;
18. 2014 - **Jubilee award for 20 years of service,** Wroclaw University of Economics
19. 2014 - **Distinction of the Wrocław Council of the Federation of Scientific and Technical Associations** NOT in the competition "For outstanding achievements in the field of technology" for 2013.
20. 2015 - **1st degree individual award** - Rector of the University of Economics in Wrocław for scientific and research activities in 2014;
21. 2015 **- Congratulatory diploma from the Wrocław Council of the Federation of Scientific and Technical Associations of the Polish Federation of Engineering Associations** (Naczelna Organizacja Techniczna) for receiving an award in the competition "For outstanding achievements in the field of technology" realised in 2014.
22. 2016 - **1st degree individual award** - Rector of the University of Economics in Wrocław for scientific and research activities in 2015;
23. 2016 - **First Degree Team Award** - Rector of the Warsaw University of Life Sciences for scientific research activities in 2015, in particular for a series of publications on the acquisition and action under conditions of intestinal inflammation of beta-glucans from oats contained in food;
24. 2017- **1st degree individual award** - Rector of the University . Wrocław University of Economics and Business for scientific and research activities in 2016;

25. 2018 - **1st degree individual award** - Rector of the University . Wrocław University of Economics and Business for scientific and research activities in 2017;
26. 2019 - **1st degree individual award -** Rector of the University . Wrocław University of Economics and Business for scientific and research activities in 2018;
27. 2019 - **2nd degree individual award -** Rector of the University . Wrocław University of Economics and Business for his activities in personnel training in 2018;
28. 2019 - **Jubilee award for 25 years of service,** Wrocław University of Economics and Business
29. 2019 - **Silver Medal for Long Service** awarded by the decision of the President of the Republic of Poland of 19.02.2019 for exemplary, exceptionally conscientious performance of professional duties;
30. 2020 - **1st degree individual award -** Rector of the University . Wrocław University of Economics and Business for scientific and research activities in 2019;
31. 2020 - **2nd degree individual award -** Rector of the University . Wrocław University of Economics and Business for his activities in personnel training in 2019;
32. 2021 - **1st degree individual award -** Rector of the University . Wrocław University of Economics and Business for scientific and research activities in 2020;
33. 2021 - **2nd degree individual award -** Rector of the University . Wrocław University of Economics and Business for organisational activities in 2020;
34. 2022 - **1st degree individual award -** Rector of the University . Economics in Wrocław for scientific and research activities in 2021;
35. 2022 - **2nd degree individual award -** Rector of the University . Wrocław University of Economics and Business for organisational activities in 2021;
36. 2023 - **1st degree individual award -** Rector of the University . Wrocław University of Economics and Business for organisational activities in 2022;
37. 2023 - **2nd degree individual award -** Rector of the University . Wrocław University of Economics and Business for scientific and research activities in 2022;
38. 2024 - **1st degree individual award** - Rector of the University . Economics in Wrocław for scientific activity in 2023;
39. 2024 - **2nd degree individual award -** Rector of the University . Economics in Wrocław for organisational activities in 2023;
40. 2024 - **Jubilee award for 30 years of service -** Rector of the University . Economics.

Participation in programmes and training as a facilitator:

Conference lectures by invitation

1. **Harasym J.** The benefits of local food production systems - circular economy perspective, 32nd International Scientific - Expert Conference of Agriculture and Food Industry "Local food production systems in the era of global challenges", 1-2.12,2022 Sarajevo, Bosna and Hercegovina, Keynote lecture.

2. **Harasym J**. Bioactivity of 1-3 linked beta-glucan, "Physiological determinants of dietary management", 17-18.11.2022, Warsaw, Poland, Keynote lecture.
3. **Harasym J**. 1-3-BETA-D-GLUCAN - PATHOGEN-ASSOCIATED MOLECULAR PATTERN, "Physiological determinants of dietary management", 14-15.11.2024, Warsaw, Poland, Keynote lecture.

Organisation of scientific conferences:

1. 5th Scientific and Technical Conference in the series Science Practices entitled The role of education in creating pro-innovative attitudes in the food industry, 2013, Wrocław, nature of participation - member of the Scientific Committee;
2. IV Science and Technology Conference in the series Science Practices entitled Innovation in Enterprises, 2012, Wrocław, nature of participation - member of the Scientific Committee;
3. IIIrd Science and Technology Conference in the series Science in Practice entitled Quality and Safety of Food Products, 2011, Wrocław, nature of participation - member of the Scientific Committee;
4. II Science and Technology Conference in the series Science in Practice entitled Quality and safety of products as a challenge of the 21st century, 2010, Wrocław, nature of participation - member of the Scientific Committee;
5. 1st Science and Technology Conference in the series Science for Practice entitled Nutritional and Health Value of Selected Food Products and Functional Food Additives, 2009, Wrocław, nature of participation - member of the Organising Committee.

Conference announcements:

➢ Presenting a scientific paper at the conference:

1. Carpentieri S., Tiupova A., Pejcz E., Ferrari G., **Harasym J.** Apple pomace and lemon albedo exploitation for bioactive 3D printed snacks, 1-2 p., 10-11.12.2024, 3rd International Congress on Bioactive Compounds, UNICAMP, Campinas, Brazil, poster
2. **Harasym J.,** Orkusz A., Krzos G., Pejcz E., Wojciechowicz-Budzisz A., Wisniewski R., Vivafer - dry wafer improvement for higher protein and fiber content, 1-1 p., 2024, 22nd World Congress of Food Science & Technology "The future of food is now: Development, Functionality & Sustainability" 08- 12.09.2024, Rimini, Italy poster
3. Tiupova A., Pejcz E., Lachowicz-Wiśniewska S., Wojciechowicz-Budzisz A., Wiśniewski R., **Harasym J.,** Comparative Analysis of Antioxidant Activity in Colored and Yellow Corn

Varieties 1-2 s10-11.12.2024, 3rd International Congress on Bioactive Compounds, UNICAMP, Campinas, Brazil, poster.

4. **Harasym J.,** Orkusz A., Krzos G., Pejcz E., Wojciechowicz-Budzisz A., Banaś .K, VIVAFER-Dry Wafer Improvement for Higher Protein and Fiber Content 558 p., 2024, 22nd World Congress of Food Science & Technology "The future of food is now: Development, Functionality & Sustainability" 08- 12.09.2024, Rimini, Italy poster
5. Pejcz E., Tiupova A., Lachowicz-Wiśniewska S., Banaś K.l, Wojciechowicz-Budzisz A.**, Harasym J.,** Functional Gluten-Free Snacks from Pigmented Corn Varieties, 615 p., 2024, 22nd World Congress of Food Science & Technology "The future of food is now: Development, Functionality & Sustainability" 08- 12.09.2024, Rimini, Italy poster
6. Pejcz E., Lachowicz-Wiśniewska S., Nowicka P., Wojciechowicz-Budzisz A.**, Harasym J.,** Optimizing sourdough fermentation for FODMAP reduction and bioactive enhancement in wheat and rye breads, 1-1 p., 2024, 8th Cereals and Europe Spring Meeting 2024, - oral communication.
7. Pejcz E., Banaś K., Wojciechowicz-Budzisz A.**, Harasym J.,** Techno-Functional Characteristics of High-Fiber Dry Wafer Blends 659-660 p., 2024, 22nd World Congress of Food Science & Technology "The future of food is now: Development, Functionality & Sustainability" 08- 12.09.2024, Rimini, Italy poster
8. Pejcz E., Wojciechowicz-Budzisz A**., Harasym J.,** Technological challenges and up-to-date solutions in formulating low-FODMAP cereal-based products 1-1 p., 5th International Congress "Food Technology, Quality and Safety" 16-18.10.2024, Novi Sad, Serbia - oral communication
9. Tiupova A., Pejcz Ewa, Lachowicz-Wiśniewska Sabina, Banaś Karol, Wojciechowicz-Budzisz A.**, Harasym J.,** Beneficial Potential of Bioactive Compounds in Pigmented Corn 177 s., 22nd World Congress of Food Science & Technology "The future of food is now: Development, Functionality & Sustainability" 08- 12.09.2024, Rimini, Italy - oral communication
10. Wojciechowicz-Budzisz A., Pejcz E., Pietrzak W., Gasiński A., Styczyńska M.**, Harasym J.,** Effect of White, Red and Black Quinoa in Sourdough Fermentation with Their Malts 349-350 p., 22nd World Congress of Food Science & Technology "The future of food is now: Development, Functionality & Sustainability" 08- 12.09.2024, Rimini, Italy
11. Wojciechowicz-Budzisz A., Gasiński A., Pietrzak W., Pejcz E., Styczyńska M.**, Harasym J.,** Elevating sourdough quality with quinoa malts 1-1 p., 5th International Congress "Food Technology, Quality and Safety" 16-18.10.2024, Novi Sad, Serbia - oral communication
12. Wojciechowicz-Budzisz A., Pejcz E., Harasym J., Enhancing the Nutritional Profile of Wheat Shortcrust Cookies with Psyllium Fiber: Evaluation of Quality and Nutritional Attributes 383-384 p., 22nd World Congress of Food Science & Technology "The future of food is now: Development, Functionality & Sustainability" 08- 12.09.2024, Rimini, Italy - poster
13. Wojciechowicz-Budzisz A., Shpak A., Pejcz E., Harasym J., Optimizing teff sourdough in rye bread to enhance quality and nutritional value 1-1 p., 5th International Congress

"Food Technology, Quality and Safety" 16-18.10.2024, Novi Sad, Serbia - oral communication.

14. Olędzki, R., **Harasym, J.** Comparison of the effect of microwave treatment on the bioactive properties of zucchini and parsley, FOODBALT 2024. Sustainable food production - a challenge for the whole production chain, **Tartu, Estonia,** 8-10.05.2024. - oral communication.
15. Olędzki, R., **Harasym, J**.. New reports on the health-promoting properties and possibilities of using apple cider vinegar in health prevention. FOODBALT 2024. sustainable food production - a challenge for the whole production chain, **Tartu, Estonia,** 8-10.05.2024. - poster.
16. Pejcz, E., Wojciechowicz-Budzisz, A., **Harasym, J**. Determination of fructan content and low-fodmap portion sizes in diverse grains products **Tartu, Estonia,** 8-10.05.2024. - poster.
17. Pejcz, E., Wojciechowicz-Budzisz, A., **Harasym, J**. Probiotic inoculated sourdough fermentation effects on complex carbohydrate composition and nutritional value of wheat and rye breads**, Tartu, Estonia,** 8-10.05.2024. - Oral communication.
18. Pejcz, E., Wojciechowicz-Budzisz, A., **Harasym, J**.. Reducing fructan content in wheat and rye breads through probiotic intervention and prolonged fermentation. Cereals &Europe Spring Meetings, 10-12.04.2024, **Zagreb, Croatia**. - poster.
19. Wojciechowicz-Budzisz, A., Pejcz, E., Bobak, Ł., **Harasym, J.,** Enhancing rye bread quality and nutritional profile through chia flour blends: a comprehensive study on rheological, pasting, and baking properties Cereals &Europe Spring Meetings, 10-12.04.2024, **Zagreb, Croatia**. - poster.
20. Pejcz, E., Lachowicz-Wiśniewska, S., Nowicka, P., Wojciechowicz-Budzisz, A., Harasym, J. Optimizing sourdough fermentation for fodmap reduction and bioactive enhancement in wheat and rye breads, 8th Cereals &Europe Spring Meetings, 10-12.04.2024, **Zagreb, Croatia**. - oral communication.
21. Wojciechowicz-Budzisz, A., Pejcz, E., Lachowicz-Wiśniewska, S., Harasym, J., Psyllium power: exploring the impact of ground psyllium fiber on the quality, nutritional value, polyphenols, and antioxidant activity of wheat bread. 8th Cereals &Europe Spring Meetings, 10-12.04.2024, **Zagreb, Croatia**. - oral communication.
22. Harasym, J. Lisovska, T., Villanueva., M., Orkusz, A., Olędzki, R., Banas, K Modification Of High Nutritional Gluten-Free Flours By Innovative Heat-Moisture Treatment For The Development Of Improved Bakery Products, 17th ASEAN Food Conference, 24-27 October 2023, **Kuching, Malaysia-** oral communication.
23. **Harasym J**., Digital health - remote monitoring via smartphones. ISQua's 39th International Conference, 27-30.08.2023. Seoul, South Korea;
24. Lisovska T., Banaś K**., Harasym J.,** The impact of microwave-assisted high moisture treatment of Polish and Spanish buckwheat flours on rice-buckwheat gluten-free bread characteristics, 21-23.08.2023, Rome, Italy. - oral communication.

25. Lisovska T., **Banas** K., Orkusz A., **Harasym J.** Rice-teff blends gluten-free bread characteristics affected by microwave-assisted high moisture treatment of white and brown teff varieties; 21-23.08.2023, Rome, Italy;
26. Olędzki R., **Harasym J.,** Antioxidant activity and textural properties of sweet pepper (Capsicum annum L.), cultivated in Poland, 21-23.08.2023, Rome, Italy. - oral communication.
27. Olędzki R., Lisovska T., Banaś K.**, Harasym J.,** The polyphenol content of gluten-free breads made from blends of rice and microwave modified buckwheat and teff flours; 21-23.08.2023, Rome, Italy;
28. **Harasym J.,** Banas K., Innovative food products for e-sport competitors. Conference on Adaptations and Nutrition in Sports (ICANS),Temasek Polytechnic, Singapore, 19 - 21 July 2023. - oral communication.
29. **Harasym J.,** Krzos G., Orkusz. A, Nutrition awareness and dietary choices among e-sportsmen in Poland. Conference on Adaptations and Nutrition in Sports (ICANS),Temasek Polytechnic, Singapore, 19 - 21 July 2023;
30. Banaś K., **Harasym J.,** Hydroleogels - a complete product for endurance. Conference on Adaptations and Nutrition in Sports (ICANS),Temasek Polytechnic, Singapore, 19 - 21 July 2023;
31. Banaś K., **Harasym J.,** Oleogels - the future of solid fats in nutrition. Conference on Adaptations and Nutrition in Sports (ICANS),Temasek Polytechnic, Singapore, 19 - 21 July 2023;
32. Banaś K., **Harasym J.,** Effect of rapeseed oil type on the physicochemical properties of agar hydroleogels. The Food Hydrocolloids Trust21st Gums & Stabilisers for the Food Industry Conference : June 6-9, 2023;Thessaloniki, Greece;
33. Banaś K., **Harasym J.,** Characterisation of the physicochemical parameters of shortbread cookies depending on the type of fat used. The Food Hydrocolloids Trust21st Gums & Stabilisers for the Food Industry Conference : June 6-9, 2023;Thessaloniki, Greece;
34. Olędzki R., **Harasym J**. The effect of selected heat treatment techniques on the bioactive properties of bell peppers International Congress on Natural, Health Sciences and Technology: Book of Abstracts, 2023, Tetova, University of Tetova, 692 p., ISBN 9786082171173;
35. Olędzki R., **Harasym J.** Antioxidant activity and content of polyphenols in the fruits of selected hybrid grapevines from Poland International Congress on Natural, Health Sciences and Technology: Book of Abstracts, 2023, Tetova, University of Tetova, North Macedonia;
36. Banaś K., **Harasym J.,** The prospect of using oleogels in bakery products. International Congress on Natural, Health Sciences and Technology: Book of Abstracts, 2023, Tetova, University of Tetova, 691 p., North Macedonia;
37. Banaś K., **Harasym J.,** Current concept of using rapeseed oil in oleogelation International Congress on Natural, Health Sciences and Technology: Book of Abstracts, 2023, Tetova, University of Tetova, 689 p., North Macedonia;

38. Tyupova A.,Lisovska T., **Harasym J.,** The change in antioxidant activity characteristics of teff flour after microwave supported heat-moisture treatment. International Congress on Natural, Health Sciences and Technology: Book of Abstracts, 2023, Tetova, University of Tetova, 686 p., North Macedonia;
39. Tyupova A., **Harasym J**., 3D Printers for commercial application, International Congress on Natural, Health Sciences and Technology: Book of Abstracts, 2023, Tetova, University of Tetova, 685 p., North Macedonia; - oral communication.
40. Wojciechowicz-Budzisz A.,, Gwóźdź J., Pejcz E., **Harasym J.,** Impact of sorghum
41. sourdough addition on the quality of rye bread, International Congress on Natural, Health Sciences and Technology: Book of Abstracts, 2023, Tetova, University of Tetova, 677 p., North Macedonia;
42. Pejcz E., Koj K., Wojciechowicz-Budzisz A.**,, Harasym J.,** Probiotic fermentation impact on wheat dietary fiber components, International Congress on Natural, Health Sciences and Technology: Book of Abstracts, 2023, Tetova, University of Tetova, 675 p., North Macedonia -- oral communication.
43. Pejcz E., Koj K., Wojciechowicz-Budzisz A.**,, Harasym J.,** Rye dietary fibre modification by inoculated probiotic fermentation, International Congress on Natural, Health Sciences and Technology: Book of Abstracts, 2023, Tetova, University of Tetova, 673 p., North Macedonia - - oral communication.
44. Wojciechowicz-Budzisz A.,, Gwóźdź J., Pejcz E**., Harasym J.,** Effect of sorghum sourdough addition on the quality of wheat bread, International Congress on Natural, Health Sciences and Technology: Book of Abstracts, 2023, Tetova, University of Tetova, 671 p., North Macedonia;
45. Orkusz A., **Harasym J.** Catering Diet - is it Reliable? International Congress on Natural, Health Sciences and Technology: Book of Abstracts, 2023, Tetova, University of Tetova, 780 p., North Macedonia;
46. Orkusz A., **Harasym J.** The Role of Spices in the Human Diet, International Congress on Natural, Health Sciences and Technology: Book of Abstracts, 2023, Tetova, University of Tetova, 780 p., North Macedonia;
47. R. Olędzki, T. Lisowska, A. Tiupova, M. Villanueva**, J. Harasym**, The change in antioxidant activity characteristics of buckwheat flour after microwave supported heat-moisture treatment. 16th Baltic Conference on Food Science and Technology FOODBALT 2023 "TRADITIONAL MEETS NON-TRADITIONAL IN FUTURE FOOD," May 11-12, 2023, Jelgava, Estonia
48. T. Lisovska, M. Villanueva, F. Ronda, A. Orkusz**, J. Harasym,** High moisture microwave treatment modulates functional and pasting characteristics of teff flour, 16th Baltic Conference on Food Science and Technology FOODBALT 2023 "TRADITIONAL MEETS NON-TRADITIONAL IN FUTURE FOOD," May 11-12, 2023, Jelgava, Estonia
49. T. Lisovska, M. Villanueva, A. Orkusz**, J. Harasym,** High moisture microwave treatment modulates functional and pasting characteristics of buckwheat flour, 16th Baltic Conference on Food Science and Technology FOODBALT 2023 "TRADITIONAL MEETS NON-TRADITIONAL IN FUTURE FOOD," May 11-12, 2023, Jelgava, EstoniaOrkusz A., **Harasym J.** Tenebrio molitor for a sustainable world. The International Society for Ecological

Modelling Global Conference 2023: Ecological Models for Tomorrow's Solutions (ISEM 2023), 2023, 02-05-2023 - 06-05-2023, Toronto, Canada

50. Orkusz A., **Harasym J.** Brain activity towards objects induces feelings of revulsion in the perspective of the possibility of changing the attitude of western society towards the perception of edible insects as food, Miami Winter Symposium 2023: Molecular Neuroscience: Focus on Sensory Disorders (MWS 2023), 2023, 30-01-2023 - 01-02-2023, Miami, USA;
51. Orkusz A., **Harasym J.:** Edible insects as innovative factor for local circular economy approach, 1 p., 2022, 32nd International Scientific-Expert Conference of Agriculture and Food Industry 2022, 1-2.12.2022 Sarajevo, Bosnia and Herzegovina;
52. Orkusz A., **Harasym J.:** Preschool menus composition as indicator of local food market, 1 p., 2022, 32nd International Scientific-Expert Conference of Agriculture and Food Industry 2022, 1-2.12.2022 Sarajevo, Bosnia and Herzegovina;
53. Olędzki R., **Harasym J.,** Effects of microwave radiation on the bioactive properties in selected vegetable species, 36th EFFoST International Conference: Shaping the Production of Sustainable, Healthy Foods for the Future 2022, 07.11-09.11.2022, Dublin, Ireland;
54. Olędzki R., **Harasym J.,** Antioxidant activity of fruits of selected grapevines grown in Poland, 36th EFFoST International Conference: Shaping the Production of Sustainable, Healthy Foods for the Future 2022, 07.11-09.11.2022, Dublin, Ireland;
55. **Harasym J.,** Gromadzka-Ostrowska, J.: Process for a low molecular mass beta-glucan recovery from oat, 36thEFFoST International Conference: Shaping the Production of Sustainable, Healthy Foods for the Future 2022, 07.11-09.11.2022, Dublin, Ireland;
56. Orkusz A., Kiiru S., Kinyuru J., **Harasym J.:** Two-spotted cricket (Gryllus bimaculatus) powder addition impact on hydration properties of blends with rice flour, 36th EFFoST International Conference: Shaping the Production of Sustainable, Healthy Foods for the Future 2022, 07.11-09.11.2022, Dublin, Ireland;
57. Orkusz A., **Harasym J.:** Hiding edible insects in wheat bread matrix - the acceptance case 36th EFFoST International Conference: Shaping the Production of Sustainable, Healthy Foods for the Future 2022, 07.11-09.11.2022, Dublin, Ireland;
58. **Harasym J.,** Orkusz A., Olędzki R.: Ultrasounds processing of buckwheat whole-grain modifies the rheological characteristics of obtained flour, 36th EFFoST International Conference: Shaping the Production of Sustainable, Healthy Foods for the Future 2022, 07.11-09.11.2022, Dublin, Ireland;
59. Banaś, K., Orkusz, A., **Harasym, J.** Agar in oleogelation, 21st IUFOST World Congress of Food Science & Technology "Future of Food - Innovation, Sustainability & Health", 30.10 - 3.11.2022, Singapore;
60. **Harasym J**., Osimani A., Orkusz A., Aquilanti L.: Physiochemical and microbiological characteristics of artisanal cheeses may offer a new solution for industrial starters, 21st IUFOST World Congress of Food Science & Technology "Future of Food - Innovation, Sustainability & Health", 30.10 - 3.11.2022, Singapore;

61. Orkusz A., **Harasym J.,** Mozzon M., Foligni R.: Tradition and modernity - dumplings with the addition of edible insects in Polish and Italian cuisine, 21st IUFOST World Congress of Food Science & Technology "Future of Food - Innovation, Sustainability & Health", 30.10 - 3.11.2022, Singapore;
62. Orkusz A., **Harasym J.,** Edible insects as a meat alternative, 21st IUFOST World Congress of Food Science & Technology "Future of Food - Innovation, Sustainability & Health", 30.10 - 3.11.2022, Singapore;
63. Banaś K., **Harasym J.:** Oil manufacturing method impacts on physicochemical characteristics of rapeseed oil oleogels, 21st IUFOST World Congress of Food Science & Technology "Future of Food - Innovation, Sustainability & Health", 30.10 - 3.11.2022, Singapore;
64. **Harasym J.,** Orkusz A., Banas K.: Ultrasonication of buckwheat grains impacts the resulting flour characteristics, 21st IUFOST World Congress of Food Science & Technology "Future of Food - Innovation, Sustainability & Health", 30.10 - 3.11.2022, Singapore;
65. Olędzki R., **Harasym J.,** The content of antioxidants and polyphenols in the fruit of selected hybrid grape varieties from Poland, 8th International Conference on Food Chemistry & Technology 2022, 12-14.12.2022, Rome, Italy;
66. Olędzki R., **Harasym J**., Effects of Microwave Radiation on the Bioactive Properties of Peppers (Capsicum annuum L.), 8th International Conference on Food Chemistry & Technology 2022, 12-14.12.2022, Rome, Italy;
67. Orkusz A., **Harasym J**.: Food for 9 billion people: meat vs. edible insects, 2022, 8th International Conference on Food Chemistry & Technology 2022, 12-14.12.2022, Rome, Italy - poster
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Conference materials:

1. Podeszwa Tomasz, Harasym Joanna: Sensory evaluation of Baltic Porter beer with oat β-glucan addition, 74 p., 2014, 11th International Trends in Brewing 2014, poster
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26. Orkusz Agnieszka, Wolańska Wioletta, Kaim Urszula, Olędzki Remigiusz, Harasym Joanna: Psychological and Socio-Cultural Markers of Polish Consumer Acceptance of Insects as a Food Ingredient, P1.1.04, 1-1 pp, 2019, 33nd EFFoST International Conference: Sustainable Food Systems - Performing by Connecting 2019, poster
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29. Orkusz Agnieszka, Kaim Urszula, Harasym Joanna: Hydration Properties of Gluten-Free Flour Mixture Made From Rice Flour and Cricket (Acheta Domesticus) Flour, 73-73 p., 2019, 10th International Congress "Flour-Bread" 2019, poster
30. Orkusz Agnieszka, Kaim Urszula Afilia unspecified, Olędzki Remigiusz, Bogacz-Radomska Ludmiła, Harasym Joanna, Dyrcz M.: Evaluation of the diet of children aged 4-6 in a chosen kindergarten in Wrocław, 138-138 p., 2019, 3rd Wroclaw Scientific Meetings 2019, poster
31. Orkusz Agnieszka, Kaim Urszula Affiliation not specified, Olędzki Remigiusz, Bogacz-Radomska Ludmiła, Harasym Joanna, Dyrcz M.: Evaluation of antioxidant capacity and polyphenol content of selected vegetable species using the alcoholic and buffer extraction, 135-135 p., 2019, 3rd Wroclaw Scientific Meetings 2019, poster
32. Orkusz Agnieszka, Harasym Joanna, Michalczuk M. External affiliation of the author: Warsaw University of Life Sciences: Changes in sensory characteristics and cutting force of roasted turkey thigh muscles during cold storage, 38-39 p., 2019, XXXI International Poultry Symposium of the Polish Branch of the World's Poultry Science Association "Science to practice - practice to science" 2019, paper presented
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36. Olędzki Remigiusz, Kaim Urszula, Harasym Joanna, Orkusz Agnieszka: Comparison of Bioactive Properties of Selected Vegetable Species Thermally Processed by Different Cooking Methods, P1.3.55, 1-1 pp, 2019, 33nd EFFoST International Conference: Sustainable Food Systems - Performing by Connecting 2019, poster
37. Olędzki Remigiusz, Kaim Urszula Affiliation unspecified, Orkusz Agnieszka, Bogacz-Radomska Ludmiła, Harasym Joanna: The content of total polyphenols and antiradical activity in different green leafy vegetables grown in Lower Silesia area in Poland, 136-136 p., 2019, 3rd Wroclaw Scientific Meetings 2019, poster
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40. Kaim Urszula, Harasym Joanna, Orkusz Agnieszka, Olędzki Remigiusz: De-Growth Movement Impact Food Niche Markets Development, P1.3.07, 1-1 p., 2019, 33nd EFFoST International Conference: Sustainable Food Systems - Performing by Connecting 2019, poster
41. Kaim Urszula, Harasym Joanna, Olędzki Remigiusz, Orkusz Agnieszka: Modification of Buckwheat Flour Functional Properties by Static Magnetic Field Treatment, P1.2.37, 1-1 pp, 2019, 33nd EFFoST International Conference: Sustainable Food Systems - Performing by Connecting 2019, poster
42. Kaim Urszula Affiliation not specified, Harasym Joanna, Orkusz Agnieszka, Olędzki Remigiusz, Bogacz-Radomska Ludmiła: Recent findings in gluten and wheat related disorders, 85-85 p., 2019, 3rd Wroclaw Scientific Meetings 2019, poster
43. Kaim Urszula Affiliation not specified, Harasym Joanna, Olędzki Remigiusz, Orkusz Agnieszka, Bogacz-Radomska Ludmiła: Pseudocereals as an underestimated source of nutrients, 84-84 p., 2019, 3rd Wroclaw Scientific Meetings 2019, poster
44. Harasym Joanna, Satta Elena External author affiliation: Universita di Bologna, Kaim Urszula Affiliation unspecified, Bogacz-Radomska Ludmiła, Orkusz Agnieszka, Olędzki Remigiusz: Buckwheat flour antioxidant activity after ultrasound treatment, 76-76 p., 2019, 3rd Wroclaw Scientific Meetings 2019, poster
45. Harasym Joanna, Orkusz Agnieszka, Kaim Urszula: Impact of Cricket (Acheta Domesticus) Flour Addition on the Viscometric Profiles of Flour Mixtures, 67-67 p., 2019, 10th International Congress "Flour-Bread" 2019, poster

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50. Bogacz-Radomska Ludmiła, Kaim Urszula Affiliation not specified, Orkusz Agnieszka, Olędzki Remigiusz, Harasym Joanna: Pro-vitamin A of Microbiological Origin, 59-59 p., 2019, 3rd Wroclaw Scientific Meetings 2019, poster
51. Bogacz-Radomska Ludmiła, Kaim Urszula Affiliation not specified, Olędzki Remigiusz, Orkusz Agnieszka, Harasym Joanna: Carotenoids as Source of Antioxidant Acitivity in Food Matrix, 43-43 pp, 2019, 3rd Wroclaw Scientific Meetings 2019, paper presented
52. Tancula Nathan Affiliation unspecified, Harasym Joanna, Banaś Karol, Orkusz Agnieszka, Olędzki Remigiusz: Edible Insects as Bread Making Ingredients , 243-243 p., 2020, 4th International Wroclaw Scientific Meetings 2020, poster
53. Tancula Nathan Affiliation unspecified, Harasym Joanna, Banaś Karol, Olędzki Remigiusz, Orkusz Agnieszka: Functional properties of blends of rice and house cricket (Acheta domesticus) flours , 243-244 p., 2020, 4th International Wroclaw Scientific Meetings 2020, poster
54. Orkusz Agnieszka, Tancula Nathan Affiliation unspecified, Banaś Karol, Olędzki Remigiusz, Harasym Joanna, Szydełko Monika Affiliation unspecified: Evaluation of the diet of preschoolers from the Lower Silesian Province , 185-186 p., 2020, 4th International Wroclaw Scientific Meetings 2020, poster
55. Orkusz Agnieszka, Banaś Karol, Tancula Nathan Affiliation unspecified, Olędzki Remigiusz, Harasym Joanna, Dobrzyńska Daniela, Olędzki Remigiusz, Banaś Karol, Tancula Nathan, Nathan Tancula Affiliation unspecified, Orkusz Agnieszka, Harasym Joanna: Antioxidant activity and reducing power of hybrid grapevines fruit grown in Poland, 182-183 pp, 2020, 4th International Wroclaw Scientific Meetings 2020, posterian Affiliation not stated : Box Diet - Can You Rely on It? , 186-187 p., 2020, 4th International Wroclaw Scientific Meetings 2020, poster
56. Olędzki Remigiusz, Tancula Nathan Affiliation unspecified, Banaś Karol, Orkusz Agnieszka, Harasym Joanna: Fruits of interspecific hybrids grapevines as a source of polyphenolic compounds, 181-182 p., 2020, 4th International Wroclaw Scientific Meetings 2020, poster

57. Olędzki Remigiusz, Banaś Karol, Tancula Nathan Affiliation unspecified, Orkusz Agnieszka, Harasym Joanna: Antioxidant activity and reducing power of hybrid grapevines fruit grown in Poland, 182-183 p., 2020, 4th International Wroclaw Scientific Meetings 2020, poster
58. Banaś Karol, Other affiliations at WUEB, Harasym Joanna, Tancula Nathan Affiliation unspecified, Orkusz Agnieszka, Olędzki Remigiusz: The unique content of oat oil - the perspectives of exploitation, 79-80 p., 2020, 4th International Wroclaw Scientific Meetings 2020, poster
59. Banaś Karol Affiliation unspecified, Harasym Joanna, Tancula Nathan Affiliation unspecified, Olędzki Remigiusz, Orkusz Agnieszka: Oat oil samples from polar and non-polar extraction characterisation with near (NIR) and medium infrared (MIR) spectroscopy , 81-82 p., 2020, 4th International Wroclaw Scientific Meetings 2020, poster
60. Orkusz Agnieszka, Harasym Joanna: The addition of edible insects as nutritional value modifier - in traditional dumplings, 2021, 35th EFFoST International Conference: Healthy Individuals, Resilient Communities, and Global Food Security 2021, abstract
61. Orkusz Agnieszka, Harasym Joanna: Diet with an insect - suggestions for dishes for the whole day!, 2021, 35th EFFoST International Conference: Healthy Individuals, Resilient Communities, and Global Food Security 2021, abstract
62. Harasym Joanna, Orkusz Agnieszka, Pozzi Lorenzo External author affiliation: Universita degli Studi di Milano: The functional properties of bread wheat flour + Spirulina platensis powder binary blends, 2021, 35th EFFoST International Conference: Healthy Individuals, Resilient Communities, and Global Food Security 2021, abstract.
63. Harasym Joanna, Orkusz Agnieszka, Pozzi Lorenzo External affiliation of author: Universita degli Studi di Milano: Enzymatic activity impact on viscometric characteristics of binary blends of bread wheat flour and Spirulina platensis powder , 2021, 35th EFFoST International Conference: Healthy Individuals, Resilient Communities, and Global Food Security 2021, abstract.
64. Banaś Karol, Harasym Joanna: Characteristics of selected polysaccharides as oleogelators, 85-85 p., 2021, XLV Scientific Session of the Committee on Food Science of the Polish Academy of Sciences: Food in the Green Deal 2021 strategy, abstract
65. Orkusz Agnieszka, Kiiru Samuel Author's external affiliation: Kinyuru John, John Kinyuru External affiliation of author, Harasym Joanna: Two-spotted cricket (Gryllus Bimaculatus) powder addition impact on hydration properties of blends with rice flour , 1 p., 2022, 36th EFFoST International Conference: Shaping the Production of Sustainable, Healthy Foods for the Future 2022, abstract
66. Orkusz Agnieszka, Kiiru Samuel External author affiliation, Harasym Joanna: Impact of mediteranian cricket (Gryllus bimaculatus) powder addition on the viscometric profiles of millet flour blends, 1 p., 2022, 8th International Conference on Food Chemistry & Technology 2022, abstract
67. Orkusz Agnieszka, Harasym Joanna: Strategies Facilitating Edible Insects Acceptance, 1 p., 2022, 8th International Conference on Food Chemistry & Technology 2022, poster

68. Orkusz Agnieszka, Harasym Joanna: Preschool menus composition as indicator of local food market, 1 p., 2022, 32nd International Scientific-Expert Conference of Agriculture and Food Industry 2022, abstract
69. Orkusz Agnieszka, Harasym Joanna: Hiding edible insects in wheat bread matrix - the acceptance case , 1 p., 2022, 36th EFFoST International Conference: Shaping the Production of Sustainable, Healthy Foods for the Future 2022, abstract
70. Orkusz Agnieszka, Harasym Joanna: Food for 9 billion people: meat vs. edible insects, 1 p., 2022, 8th International Conference on Food Chemistry & Technology 2022, poster
71. Orkusz Agnieszka, Harasym Joanna: Edible insects as innovative factor for local circular economy approach, 1 p., 2022, 32nd International Scientific-Expert Conference of Agriculture and Food Industry 2022, abstract
72. Orkusz Agnieszka, Harasym Joanna: Edible insects as environmentally friendly food production model, 1 p., 2022, 6th International Congress Water, Waste and Energy Management 2022, poster
73. Orkusz Agnieszka, Harasym Joanna: Edible insects as a meat alternative, 1 p., 2022, 21st World Congress of Food Science & Technology "Future of Food - Innovation, Sustainability & Health" 2022, poster
74. Orkusz Agnieszka, Harasym Joanna, Mozzon Massimo Affiliation unspecified Foligni Roberta Foligni External author affiliation: Universita Politecnica delle Marche : Tradition and modernity - dumplings with the addition of edible insects in Polish and Italian cuisine, 1 p., 2022, 21st World Congress of Food Science & Technology "Future of Food - Innovation, Sustainability & Health" 2022, abstract
75. Harasym Joanna, Osimani Andrea Author's external affiliation: Universita Politecnica delle Marche, Orkusz Agnieszka, Aquilanti Lucia Author's external affiliation: Universita Politecnica delle Marche: Physiochemical and microbiological characteristics of artisanal cheeses may offer a new solution for industrial starters, 1 p., 2022, 21st World Congress of Food Science & Technology "Future of Food - Innovation, Sustainability & Health" 2022, abstract
76. Harasym Joanna, Orkusz Agnieszka: Static magnetic field SMF treatment impact on functional characteristic of buckwheat flour , 1 p., 2022, 8th International Conference on Food Chemistry & Technology 2022, abstract
77. Harasym Joanna, Orkusz Agnieszka: Food waste conversion in edible insect rearing systems, 1 p., 2022, 6th International Congress Water, Waste and Energy Management 2022, poster
78. Harasym Joanna, Orkusz Agnieszka, Villanueva Marina, Ronda Felicidad External author affiliation: Universidad de Valladolid: The addition of house cricket (Acheta domesticus) powder to rice flour impacts the rheological profile of rice flour, 1 p., 2022, 7th Cerealsa and Europe Spring Meeting 2022, poster.
79. Harasym Joanna, Orkusz Agnieszka, Olędzki Remigiusz: Ultrasounds processing of buckwheat whole-grain modifies the rheological characteristics of obtained flour, 1 p., 2022, 36th EFFoST International Conference: Shaping the Production of Sustainable, Healthy Foods for the Future 2022, poster

80. Wojciechowicz-Budzisz Agata, Pejcz Ewa, Harasym Joanna: Milk thistle as nutritional booster for wheat bread, 167-167 p., 2023, 37th EFFoST International Conference: Sustainable Food and Industry 4.0: Towards the 2030 Agenda 2023, abstract
81. Wojciechowicz-Budzisz Agata, Pejcz Ewa, Harasym Joanna: Impact of apple pomace on the quality attributes of wheat blends and dough, 481-481 pp, 2023, 37th EFFoST International Conference: Sustainable Food and Industry 4.0: Towards the 2030 Agenda 2023, abstract
82. Pejcz Ewa, Koj Kamila External author affiliation: Wrocław University of Life Sciences, Wojciechowicz-Budzisz Agata, Harasym Joanna: Fermenting for Health: How Probiotic Fermentation Boosts Wheat and Rye Fiber Benefits, 102-102 pp, 2023, 37th EFFoST International Conference: Sustainable Food and Industry 4.0: Towards the 2030 Agenda 2023, abstract
83. Pejcz Ewa, Buresova Iva External author affiliation: Univerzita Tomase Bati ve Zline, Wojciechowicz-Budzisz Agata, Harasym Joanna: Breaking Bread: How Plantago Seeds and Husk Power up Gluten-Free, 506-506 pp, 2023, 37th EFFoST International Conference: Sustainable Food and Industry 4.0: Towards the 2030 Agenda 2023, abstract
84. Orkusz Agnieszka, Kapelko Magdalena, Piwowar Arkadiusz, Harasym Joanna: CREABIOECON - Creative sectors in the food industry and added value creation in the bioeconomy, 1-3 pp, 2023, InterResearch FEST 2023, presentation
85. Orkusz Agnieszka, Harasym Joanna: Tenebrio molitor for a sustainable world, 1-1 pp, 2023, The International Society for Ecological Modelling Global Conference 2023: Ecological Models for Tomorrow's Solutions 2023, poster
86. Orkusz Agnieszka, Harasym Joanna: Edible insects as an environmentally friendly model for food production, 1-1 pp, 2023, Green Region Forum 2023, abstract
87. Orkusz Agnieszka, Harasym Joanna: Knowledge of the principles of a planetary diet in preschool nutrition - Wrocław district, Poland, 1-1 p., 2023, Dietitians Australia 2023 Conference 2023, poster
88. Orkusz Agnieszka, Harasym Joanna: How about insects?, 1-1 p., 2023, 19th European Symposium on the Quality of Eggs and Egg Products 2023, poster
89. Orkusz Agnieszka, Harasym Joanna: Emotions vs edible insects - is it a problem?, 1-22 pp, 2023, 17th ASEAN Food Conference "Future of Food in ASEAN: What's Next?" 2023, presentation
90. Orkusz Agnieszka, Harasym Joanna: Brain activity towards objects induces feelings of revulsion in the perspective of the possibility of changing the attitude of western society towards the perception of edible insects as food, 1-1 p., 2023, Miami Winter Symposium 2023: Molecular Neuroscience: Focus on Sensory Disorders 2023, poster
91. Orkusz Agnieszka, Dymińska Lucyna, Harasym Joanna: How nutritious are a house cricket, a mealworm, a Mediterranean cricket and a palm weevil?, 1 p., 2023, Dietitians Australia 2023 Conference 2023, poster
92. Orkusz Agnieszka, Banaś Karol, Karol, Harasym Joanna: Edible Insects - What About The Fat?, 1-12 pp, 2023, 17th ASEAN Food Conference "Future of Food in ASEAN: What's Next?" 2023, presentation

93. Lisovska Tetiana, Banaś Karol, Orkusz Agnieszka, Harasym Joanna: Rice-teff blends gluten-free bread characteristics affected by microwave-assisted high moisture treatment of white and brown teff varieties, 1-1 p., 2023, 22nd World Conference of Food Science & Technology "Accelerating Novel Scientific Approaches for Safe and Sustainable Food" 2023, abstract
94. Lisovska Tetiana, Banaś Karol, Orkusz Agnieszka, Harasym Joanna: Rice-teff blends gluten-free bread characteristics affected by microwave-assisted high moisture treatment of white and brown teff varieties, 1-1 p., 2023, 22nd World Conference of Food Science & Technology "Accelerating Novel Scientific Approaches for Safe and Sustainable Food" 2023, paper presented
95. Harasym Joanna, Krzos Grzegorz, Orkusz Agnieszka: Nutrition awareness and dietary choices among e-sportsmen in Poland, 1-1 pp, 2023, International Conference on Adaptations and Nutrition in Sports 2023, poster.
96. Carpentieri Serena External affiliation of the author: Universita degli Studi di Salerno, Orkusz Agnieszka, Ferrari Giovanna Author's external affiliation: Universita degli Studi di Salerno, Harasym Joanna: Functionalization of durum wheat pasta through the incorporation of novel protein-rich sources (Tenebrio molitor larvae), 1-24 pp, 2023, 37th EFFoST International Conference: Sustainable Food and Industry 4.0: Towards the 2030 Agenda 2023, presentation
97. Wojciechowicz-Budzisz Agata, Shpak Anna External affiliation of author: Wrocław University of Life Sciences, Pejcz Ewa, Harasym Joanna: Optimizing teff sourdough in rye bread to enhance quality and nutritional value, 1-1 p., 2024, 5th International Congress "Food Technology, Quality and Safety" 2024, abstract
98. Wojciechowicz-Budzisz Agata, Pejcz Ewa, Pietrzak W. External affiliation of the author: Wrocław University of Life Sciences, Gasiński A. Author's external affiliation: Uniwersytet Przyrodniczy we Wrocławiu, Styczyńska M. External affiliation of the author: University of Life Sciences, Wrocław, Harasym Joanna: Effect of White, Red and Black Quinoa in Sourdough Fermentation with Their Malts, 349-350 p., 2024, 22nd World Congress of Food Science & Technology "The future of food is now: Development, Functionality & Sustainability' 2024, abstract
99. Wojciechowicz-Budzisz Agata, Pejcz Ewa, Lachowicz-Wiśniewska Sabina External affiliation of author: President Stanisław Wojciechowski University of Kalisz Joanna Harasym Chair of Biotechnology and Food Analysis (IP/KBA)Faculty of Production Engineering (IP) : Psyllium power: exploring the impact of ground psyllium fibre on the quality, nutritional value, polyphenols, and antioxidant activity of wheat bread, 1-1 p., 2024, 8th Cerealsa and Europe Spring Meeting 2024, abstract
100. Wojciechowicz-Budzisz Agata, Pejcz Ewa, Harasym Joanna: Enhancing the Nutritional Profile of Wheat Shortcrust Cookies with Psyllium Fiber: Evaluation of Quality and Nutritional Attributes, 383-384 p., 2024, 22nd World Congress of Food Science & Technology "The future of food is now: Development, Functionality & Sustainability' 2024, abstract

101. Wojciechowicz-Budzisz Agata, Pejcz Ewa, Harasym Joanna, Bobak Łukasz External affiliation of the author: Wrocław University of Life Sciences: Enhancing rye bread quality and nutritional profile through chia flour blends: a comprehensive study on rheological, pasting, and baking properties, 1-1 p., 2024, 8th Cerealsa and Europe Spring Meeting 2024, abstract
102. Wojciechowicz-Budzisz Agata, Gasiński Alan Author's external affiliation: University of Life Sciences in Wrocław, Pietrzak Witold Author's external affiliation: Uniwersytet Przyrodniczy we Wrocławiu, Pejcz Ewa, Styczyńska Marzena Author's external affiliation: Wrocław University of Life Sciences, Harasym Joanna: Elevating sourdough quality with quinoa malts, 1-1 p., 2024, 5th International Congress "Food Technology, Quality and Safety" 2024, abstract
103. Tiupova A. Affiliation not specified, Pejcz Ewa, Lachowicz-Wiśniewska Sabina Author's external affiliation: President Stanisław Wojciechowski University of Kalisz, Banaś Karol, Wojciechowicz-Budzisz Agata, Harasym Joanna: Beneficial Potential of Bioactive Compounds in Pigmented Corn, 177 p., 2024, 22nd World Congress of Food Science & Technology "The future of food is now: Development, Functionality & Sustainability' 2024, abstract
104. Pejcz Ewa, Wojciechowicz-Budzisz Agata, Harasym Joanna: Technological challenges and up-to-date solutions in formulating low-FODMAP cereal-based products, 1-1 p., 2024, 5th International Congress "Food Technology, Quality and Safety" 2024, abstract
105. Pejcz Ewa, Wojciechowicz-Budzisz Agata, Harasym Joanna: Reducing fructan content in wheat and rye breads through probiotic intervention and prolonged fermentation, 1-1 p., 2024, 8th Cereals and Europe Spring Meeting 2024, abstract
106. Pejcz Ewa, Tiupova A. Affiliation unspecified, Lachowicz-Wiśniewska Sabina External author affiliation: President Stanisław Wojciechowski University of Kalisz, Banaś Karol, Wojciechowicz-Budzisz Agata, Harasym Joanna: Functional Gluten-Free Snacks from Pigmented Corn Varieties, 615 p., 2024, 22nd World Congress of Food Science & Technology "The future of food is now: Development, Functionality & Sustainability' 2024, abstract
107. Pejcz Ewa, Lachowicz-Wiśniewska Sabina Author's external affiliation: President Stanisław Wojciechowski University of Kalisz, Nowicka Paulina Author's external affiliation: Wrocław University of Life Sciences, Wojciechowicz-Budzisz Agata, Harasym Joanna: Optimizing sourdough fermentation for FODMAP reduction and bioactive enhancement in wheat and rye breads, 1-1 p., 2024, 8th Cereals and Europe Spring Meeting 2024, abstract
108. Pejcz Ewa, Banaś Karol, Wojciechowicz-Budzisz Agata, Harasym Joanna: Techno-Functional Characteristics of High-Fiber Dry Wafer Blends, 659-660 p., 2024, 22nd World Congress of Food Science & Technology "The future of food is now: Development, Functionality & Sustainability" 2024, abstract

109. Orkusz Agnieszka, Ostasiewicz Katarzyna, Harasym Joanna: From disgust to acceptance: Exploring consumer attitudes and emotional responses to edible insects in Western cultures, 1-32 p., 2024, Entomology 2024 2024, presentation
110. Orkusz Agnieszka, Harasym Joanna: Edible Insects in Western Culture. What Makes Accepting Insects as Foodstuff Challenging?, 171 p., 2024, 22nd World Congress of Food Science & Technology "The future of food is now: Development, Functionality & Sustainability' 2024, abstract
111. Orkusz Agnieszka, Harasym Joanna: Edible Insects in Western Culture. What Makes Accepting Insects as Foodstuff Challenging, 1-28 pp, 2024, 22nd World Congress of Food Science & Technology "The future of food is now: Development, Functionality & Sustainability' 2024, presentation
112. Orkusz Agnieszka, Harasym Joanna: Approach to Insects in Societies with and without Entomophagous Traditions, 396 p., 2024, 22nd World Congress of Food Science & Technology "The future of food is now: Development, Functionality & Sustainability' 2024, abstract
113. Orkusz Agnieszka, Harasym Joanna: Approach to insects in societies with and without entomophagous traditions, 1-1 pp, 2024, 22nd World Congress of Food Science & Technology "The future of food is now: Development, Functionality & Sustainability' 2024, poster
114. Kiiru Samuel Author's external affiliation: Ng'ang'a Jeremiah, Jeremiah Ng'ang'a Author's external affiliation: Konyole Silvenus, Silvenus Konyole Author's external affiliation: Masinde Muliro University of Science and Technology, Roos Nanna Author's external affiliation: Kobenhavns Universitet, Hetzer Birgit Author's external affiliation: Max Rubner-Institut, Marel Anna-Kristina Author's external affiliation: Max Rubner-Institut, Orkusz Martyna Author's external affiliation: Wrocław University of Life Sciences, Harasym Joanna, Kinyuru John Author's external affiliation: African Institute for Capacity Development: Technological impact of Gryllus bimaculatus powder in gluten-free flour formulations, 43-43 pp, 2024, Insects for the Green Economy Conference "Sustainable Food Systems and Livelihoods in Africa" 2024, abstract
115. Kiiru Samuel Author's external affiliation: Konyole Silvenus, Silvenus Konyole Author's external affiliation: Masinde Muliro University of Science and Technology, Roos Nanna Author's external affiliation: Kobenhavns Universitet, Ng'ang'a Jeremiah Author's external affiliation: Birgit Hetzer, Hetzer Birgit Author's external affiliation: Max Rubner-Institut, Marel Anna-Kristina Author's external affiliation: Max Rubner-Institut, Orkusz Agnieszka, Harasym Joanna, Kinyuru John Author's external affiliation: African Institute for Capacity Development: techno-functional properties in binary blends of gluten-free flours and Gryllus bimaculatus powder, 1-1 pp, 2024, Insects to Feed the World 2024, poster
116. Harasym Joanna, Orkusz Agnieszka, Krzos Grzegorz, Pejcz Ewa, Wojciechowicz-Budzisz Agata, Wiśniewski Rafał: Vivafer - dry wafer improvement for higher protein and fiber content, 1-1 p., 2024, 22nd World Congress of Food Science & Technology "The future of food is now: Development, Functionality & Sustainability" 2024, poster

117. Harasym Joanna, Orkusz Agnieszka, Krzos Grzegorz, Pejcz Ewa, Wojciechowicz-Budzisz Agata, Banaś Karol: VIVAFER-Dry Wafer Improvement for Higher Protein and Fiber Content, 558 p., 2024, 22nd World Congress of Food Science & Technology "The future of food is now: Development, Functionality & Sustainability" 2024, abstract
118. Harasym Joanna, Banaś Karol Karol: Agar as a Sigle Oleogelator-Process and Application, 123-124 p., 2024, 22nd World Congress of Food Science & Technology "The future of food is now: Development, Functionality & Sustainability" 2024, abstract

Other materials:

1. Orkusz Agnieszka, Harasym Joanna: Insects as Food: European Perspective vs Asia-Pacific Experience, 1-9 p., 2023, presentation

Other activities:

1. Participation in the TV programme, Research using edible insects is conducted at the Wrocław University of Economics and Business, In: TVP 3 Wrocław / Telewizja Polska (TVP), 2022
2. Participation in online media interview, EU scientists study food of the future. Will insects replace meat?, In: Echo24 Television (Echo24), 2022
3. Participation in an online media interview, Bread, pancakes or pork chops made from.... insects! Such delicacies are served by scientists from the Wrocław University of Economics and Business!, In: Akademicki Wrocław, 2022
4. Participation in the press interview, Will a Pole eat an insect? / Will we like insect dishes?, In: Gazeta Wyborcza, 2023

Membership of foreign or international scientific societies, organisations and institutions:

Member of the American Association of Cereal Chemists, Member of the Royal Chemistry Society.

Membership of expert teams:

Evaluation expert for NCBiR, PARP, COST ACTIONS, HORYZONT 2020, HORYZONT Europe, Portugal Foundation of Science.

Original achievements in design, construction, technology:

Harasym J., Bobak, Ł., Rozwadowski J. Process design of the installation for the production of su-complements for WPT, WPT 01.PP-KT/2009. Contractor - Chemiprojekt sp z o.o.
Author of technical and technological assumptions for the process of waste-free biorefining of oats and the pilot technological line for isolation of beta-glucan, originator of the use of a cascade system of vibrating screens, and sequential use of process tanks within one cycle, which minimised the number of devices on the dietary supplement line, author of the concept of using a tray dryer instead of a spray dryer due to the low bulk weight of beta-glucan.

Cooperation within a partnership, consortium, network or cluster:

2010 - present - Member of the Steering Committee of the Nutribiomed Cluster - representative of WUEB
2008 - present - Member of the Nutribiomed Cluster Council.

Industrial property rights:

Patents, utility models:

Poland

Patent for invention

1. Exclusive right number Pat. 203172, Harasym, J., Lesniak, W., Method of obtaining sodium and potassium citrates of a certain basicity from liquids after citric acid biosynthesis, Application number P.364272, Application date 2011-12-12.
2. Exclusive right number Pat.203173, Harasym, J., Leśniak, W., Pietkiewicz, J.J., Podgórski, W., Method of preparing citric acid biosynthesis fluid for direct separation of citric acid from it, Application number P.364271, Application date 2003-12-30.
3. Exclusive right number Pat.203171, Harasym, J., Lesniak, W., Method of obtaining trisodium and tripotassium citrates from liquids after citric acid biosynthesis, Application number P.364273, Application date 2003-12-30.
4. Exclusive right number Pat.226915, Harasym, J.,, Gromadzka-Ostrowska, J., Method of obtaining low molecular weight cereal beta-glucan, Application number P.410314 Application date 2014-11-28.

5. Exclusive right number Pat.228318, Harasym, J., Use of soluble non-starchy biopolymers in the production of beverages containing alcohol, Application number P.384594, Application date 2008-03-03.
6. Exclusive right number Pat.217750, Harasym, J., Brach, J., Method of obtaining a non-starch polysaccharide from cereals, Application number P.407900, Application date 2014-04-14.
7. Exclusive right number Pat.235190, Harasym, J., Nazarkiewicz-Zając, D., Zając, T., Bałczewski, P., Nawrot, B., Cieślak, M., Kaźmierczak-Barańska, J., Beta-glucan and its medical application, Application number P.421338, Application date 2017-04-19.
8. Exclusive right number Pat.228103, Harasym, J., Baszczok, M., Marycz, K. , Method of producing a mixture of ethyl esters of vegetable fatty acids with a high content of cis isomers, Application number P.408509, Application date 2014-06-11.
9. Exclusive right number Pat.225600, Harasym, J., Baszczok, M., Marycz, K. , Composition of ethyl esters of vegetable fatty acids, Application number P.408510, Application date 2014-06-11.
10. Exclusive right number Pat.229749, Brach, J., Kozłowska-Wojciechowska, M., Makarewicz-Wujec, M., Harasym, J., Parzonko, A. Use of beta 1,3/1,4 D-glucan obtained from oats to combat melanoma cells, Application number P.400898, Application date 2012-09-24.
11. Exclusive right number Pat.224430, Harasym, J., Method of extracting beta-glucan from cereals, Application number P.409942, Application date 2014-10-27.

Spain

Patent for invention

12. Ronda Balbás, F.; Villanueva Barrero, M.; **Harasym, J.**; Muñoz Muñoz, J.M.; Caballero Calvo, P.A.,; Pérez Quirce, S. Rice flour modified by hydrothermal microwave treatment, method of production and uses. Entity: University of Valladolid. Application number: P201830851. Country of registration: Spain. Date of registration: 29/08/2018. - Patent granted - ES2745456 A1 (02.03.2020).

Utility model for an invention

13. Caballero Calvo, P.A., Ronda Balbás, F.; Villanueva Barrero, M.**; Harasym, J.;** Arratibel García, A., Juarez Muriel, F., Roura Carvajal, E., Food product adapted and ready to consume for patients with dysphagia. Entity: University of Valladolid. Application number: 201831386. Country of registration: Spain. Date of registration: 14/09/2018. Companies: Fundación Alicia, Alimentación y Ciencia. Model granted - ES1219610 Y (17.01.2019).

European Union

Patent for invention

14. Exclusive right number EP2515672, **Harasym, J.**, Brach, J., Czarnota, J.L., Stechman, M., Słabisz, A., Kowalska, A., Chorowski, M., Winkowski, M., Rac, j., Madera, A. Method of production of beta-glucan, insoluble dietary fibre and oat protein preparation, Application number EP10809339, Date of application 2010-12-22

Information on the contribution to the development of the research infrastructure of the research teams led by the candidate:

1. 2019-present - construction and development of a rheology laboratory in the Department of Biotechnology and Food Analysis, raising funds for the purchase of: rotational viscometer RVA, rotational-oscillatory rheometer, Mixolab 2 machine, AXIS textrometers, Hoppler viscosity meter, Brookfield type viscosity meter (2017-2024), RF3 rheofermentor;
2. 2017 - present - construction and development of a chemistry laboratory in the Department of Biotechnology and Food Analysis, raising funds for the purchase of: warmers, shakers, pH meters, laboratory extractor, centrifuges, magnetic stirrers, rotary stirrers, Buchi rotary evaporator, conductivity meter, laboratory baths, mineralisation oven.
3. 2018 - present - construction and development of the 3D printing laboratory at the Research Centre - Adaptive Food Systems Accelerator, raising funds to purchase a 3D printer (Zmorph VX) with a filament extrusion head and a paste extrusion head, a 3D printer (Troxi) for dense paste extrusion; a gel extrusion printer (FNIS), a 3D scanner (Matter and Form);
4. 2018 - present - construction and development of a morphological characterisation and image analysis laboratory in the Department of Biotechnology and Food Analysis, raising funds for the purchase of: a polarised microscope (Olympus X-40), an epifluorescence microscope (Delta optical L-1000), an image analysis workstation (Cell -A software), a goniometer, a flatbed scanner, a Nikon camera + shadowless chamber for photography, a Minolta colorimeter, a Vista transmission colorimeter - Hunter-Lub.
5. 2011 - present Construction and development of a wave process laboratory in the Department of Biotechnology and Food Analysis, raising funds for the purchase of an Ertec Nova10 Microwave Reactor, 40 kHz ultrasonic baths, 20 kHz ultrasonic

disintegration probe, MAG-10 electromagnetic field generator, static magnetic field station (ferrite and neodymium).

6. 2018 - present - construction and development of a laboratory baking line in the Department of Biotechnology and Food Analysis, raising funds for the purchase of a fermentation chamber, steam and convection oven, pizza oven, waffle baking oven, ice cream waffle baking oven, pressed and rolled pasta machine, Thermomix machine, mixer, microwave oven, toaster.
7. 2020 - present - construction and development of a microbiology laboratory in the Department of Biotechnology and Food Analysis, raising funds for the purchase, laminar flow chamber, incubators, microwave steam autoclave, consumables for cultures.

Scientific visits:

1. Universidad de Salamanca, Spain, 16-31.04.2012, Salamanca, Spain (post-doctoral fellowship, Leonardo Da Vinci Programme) Europass Mobility by Wrocław University of Economics and Business, PL-00-2011-1036-002-LEO Universidad Autonoma Barcelona, Spain, 02-09.09.2012, Barcelona, Spain, (post-doctoral fellowship, POIG. 4.2 Programme)
2. Universidad de Valladolid, 01.09.2016 - 31.08.2018, Valladolid (postdoctoral fellowship, Horizon 2020 Programme, Marie Skłodowska-Curie Actions - Individual Fellowship - MSCA-IF-EF-2015).
3. 2016 - 2024 - STT and STA stays under the Erasmus+ programme: University of Bologna, Cesena campus, Italy; 2x University of Sassari, Sassari, Italy; University of Tetova, Northern Macedonia; University of Malta, Msida, Malta; University of Porto, Porto, Portugal; University of Reunion, Saint Denis, France; University of Thessaly, Karditsa, Greece; University of Bitola, Skopje, Northern Macedonia; University Polytechnique of Valencia, Valencia, Spain; 3 x Marche Polytechnic University, Ancona, Italy, University of Milan, Milan, Italy; University of Stefan cel Mare, Suceava, Romania, Tallin Technical University, Tallin, Estonia, University fo University of Economics, Varna, Bulgaria, University of Valladolid, Valladolid, Spain, University of Salerno, Fisciano, Italy.
4. PROM (PPI/PRO/2018/1/00025) at Aristotle University of Thessaloniki, Thessaloniki, Greece, Prof. Costas Biliaderis Lab., supervision - Prof. Athina Lazaridou, NAWA Scholarship, Poland. IX.2016-VIII.2018
5. University of Mauritius, Moka, Mauritius II.2023

Coordinating research work:

I have carried out research and development work at the following universities:

1. Wroclaw University of Economics, Wroclaw, Poland - 1994 - present, interdisciplinary research, main areas: extraction of citric acid and other organic acids, extraction of beta-glucan from oats and barley, microwave and ultrasonic modification of high

starch raw materials, mainly gluten-free, exploitation and use of innovative protein sources (microalgae, edible insects, fungi) .
2. Universidad de Valladolid, Valladolid, Spain - 2016 - present, microwave and ultrasonic modification of high starch raw materials .
3. UNIVPM - Università Politecnica delle Marche - 2021 - present, physico-chemical and microbiological characterisation of regional foods of plant and animal origin.
4. Universitat Politècnica de València - 2017 - present - use of waste streams from the fruit and vegetable industry as a source of bioactive substances in innovative food products.
5. University "St. Kliment Ohridski", Bitola, Skopje, North Macedonia 2021 - present - physico-chemical and microbiological characterisation of regional foods of plant and animal origin .
6. University of Mauritius, Moka, Mauritius - 2023 - present - physico-chemical characterisation, use of breadfruit tree leaves and seeds, characterisation of endemic plants for sweetener content .
7. University of Reunion, St. Denis, Reunion, France - 2023 - Physico-chemical characterisation, use of Moringa oleifera leaves and seeds.

PhDs promoted or staff training:

Promoter:

1. Karol Banaś, M.Sc. - Usefulness of agar as a stand-alone oleo-elator in the solidification of rapeseed oil - properties and applications . Defence and conferment of degree 18.04.2024 Interdisciplinary thesis, leading discipline - food and nutrition technology - Promoter - dr hab. inż. Joanna Harasym, prof. WUEB; Second Supervisor - Arkadiusz Piwowar, Ph.D. (discipline Economics), . WUEB; Reviewers: Ewa Jakubczyk, Ph.D., prof. SGGW; Katarzyna Lemańska-Pawlak, Ph.D., prof. UEP; Dominik Kmiecik, Ph.D., prof. UPP. Faculty of Production Engineering Wrocław University of Economics and Business (the degree-granting institution).

Associate Promoter:

1. Dominika Suchecka, M.Sc. - Antioxidant and anti-inflammatory effects of oat beta-glucan preparation in model studies of inflammatory bowel disease. Defence and conferment of degree 25.10.2017, Promoter - Joanna Gromadzka-Ostrowska, Joanna Harasym (assistant promoter), Reviewers - Joanna Sadowska, PhD, Prof. ZUT, Renata Kostogrys, PhD, Prof. URK. Faculty of Human Nutrition and Consumer Sciences, Warsaw University of Life Sciences (the degree-granting institution).

Reviewer:

Habilitation - review

1. dr hab. inż. Zofia Nizioł-Łukaszewska - Shaping the quality of cosmetic products through the use of multifunctional plant raw materials - Habilitation thesis 15/10/2020, Reviewers: Prof. dr hab. n. med. Barbara Zegarska - UMK, dr hab. inż. Katarzyna Wybieralska, prof. UEK, dr hab. inż. Joanna Harasym, prof. UEK. University of Information Technology and Management in Rzeszów (executing entity), Cracow University of Economics (executing entity), Cracow University of Economics (degree-granting entity).

PhD - review:

1. 2018 r. - Calabuig Jiménez, Laura - Mejoras tecnológicas para el aumento de la funcionalidad de antioxidantes y probióticos. Contribución a la sostenibilidad de la industria agroalimentaria. Promoters - María Cristina Barrera Puigdollers; María Ester Betoret Valls; Noelia Betoret Valls; Lucía Seguí Gil. Universitat Politècnica de València. Instituto Universitario de Ingeniería de Alimentos para el Desarrollo, Valencia, Spain (degree awarding body).
2. 2019 r. - Marina Mefleh - Effect of environment, management and genotypes on nitrogen dynamics in the plant, grain quality and bread-making properties of old and modern Italian durum wheats. Promoter - Prof. Costantino Fadda, Università degli Studi di Sassari, Sassari, Italy (degree awarding body).
3. 2023 r. - Luca Belleggia - Study of the microbiota of typical fermented foods of animal origin. Microbial popolations of mostly Italian and European fermented foods of animal origin (sausages, fishes, etc.). Promoter - Prof. Andrea Osimani, Università Politecnica delle Marche, Ancona, Italy (degree awarding body).
4. 2023 r. - Liza Cloete - Antimicrobial activity of pectin encapsulated Rodriguan lime peel extract and its application to increase shelf life of minimally processed fruits and vegetables. Promoters - Dr Deena Ramful-Baboolall (University of Mauritius) Prof M. Naushad Emmambux (University of Pretoria), Dr Brinda Ramasawmy (University of Mauritius), University of Mauritius, Moka, Mauritius (degree awarding unit).
5. 2023 r. - Antonio Jose Vela Corona - Physical modification of gluten-free flours by ultrasound treatments. Application to the development of new products usable for the celiac population. Promoter - Prof. Felicidad Ronda, Universidad de Valladolid, Valladolid, Spain (degree awarding body).
6. 2024 r. - Oumayama Toumi - Evaluation of unconventional ingredients to improve wheat bread nutritional profile. Promoter - Prof. Costantino Fadda, Università degli Studi di Sassari, Sassari, Italy (degree awarding body).

Supervisor of post-doc research internship:

1. Post-doc - Shewangaw Addisu Mercuria, University of Gondor, Ethiopia (ULAM, NAWA - 02.2025 - ongoing);

2. Post-doc - Serena Carpentieri, PhD, University of Salerno, Italy (ULAM, NAWA - 04.2024-09.2024);
3. Post-doc - Tetiana Lisowska, PhD, Ternopil, Ukraine (POLS, NCN, 09.2022 - 08.2023);
4. Post-doc: Prof. Pedro A. Caballero, PhD, University of Valladolid, Valladolid, Spain, (PROM, NAWA 09.2022 and Universidad de Valladolid, Plan de Movilidad del Personal Investigador - beca, 09.2019),
5. Post-doc: Marina Villanueva, PhD, University of Valladolid, Valladolid, (University of Valladolid, Valladolid, Spain (Fundación Alfonso Martín Escudero 01.2020 - 12.2022; POLS, NCN 07.2022 - 06.2023).

Supervisor of the doctoral student's research internship:

1. Alicja Zalecińska, M.Sc. (SGGW, Warsaw, Poland. 09.2023); Topic: Isolation of cereal polysaccharides from plant raw materials and practical application of these methods in the isolation of low molar mass beta-glucans from oat fibre.
2. Alona Typova (National Technical University "Kharkiv Polytechnic Institute", Kharkiv, Ukraine, 03.2023 - PROM, NAWA); Topic: Analysis of the content and profile of polyphenols in bread made from native and processed flour.
3. Svitlana Nedviha (State Biotechnological University, Kharkiv, Ukraine, 03.2023 - PROM, NAWA); Topic: Effect of chufa (tiger nut) flour addition on rheological properties of wheat dough in the breadmaking process.
4. Federico Drudi (University of Bologna, Cesena, Italy, 03.2023 - PROM, NAWA); Topic: Characterisation of chick-pea proteinaceous and amidaceous fraction after different modification treatment (HPH, PAW, US).
5. Alessio Sergiacomo (University of Milan, Milan, Italy, 03.2023 - PROM, NAWA); Topic: Impact of ultrasound treatment on the functionality of bean flour.
6. Durim Alija (University of Tetovo, Tetovo, North Macedonia 03.2023 - PROM) Topic: The factors that affect the formation of acrylamide in bakery products.
7. Leonardo Corrêa Gomes, (Instituto Politécnico de Bragança, Bragança, Portugal, 03.2023 - PROM, NAWA), Use of wine agro-industry by-products as a source of bioactive compounds and dietary fibres for the development of gluten-free flours.
8. Beatriz Paschoalinotto, (Instituto Politécnico de Bragança, Bragança, Portugal, 03.2023 - PROM, NAWA) Topic: The development of a plant-based gluten-free baking formulation using Golden thistle (S. hispanicus L.) flours.
9. Rose O'Baah (University of Pretoria, South Africa, 03.2023 - PROM, NAWA), Topic: : Nutritional and functional properties of microwave heat moisture-treated sorghum meal.
10. Andriana Puspitasari (University of Gadjah Mada, Indonesia, 03.2023 - PROM, NAWA), Topic: Physicochemical and functional characterisation of corn flour with ultrasound and microwave modification.
11. Cheetra Bajan (University of Mauritius, Mauritius, 03.2023 - PROM, NAWA), topic: endemic plants from Mauritius island as potential resources for sugar substitutes.

12. Giulia Chiodarolli (University of Milan, Italy, 01.2023 - PROM, NAWA), Topic: : Impact of ultrasound treatment on the functionality of red lentil.
13. Serena Carpentieri (University of Salerno, Italy, 01.2023 - PROM, NAWA), topic: : Functionalization of staple foods through the incorporation of alternative proteins.
14. Tetiana Maslak (Lviv Polytechnic University, Lviv, Ukraine 03.2023 - PROM, NAWA) Topic: Availability of food products, and national food security.
15. Henry Ngethe (Jomo Kenyatta University, Nairobi, Kenya, 0.12023 - PROM, NAWA), Subject: Effect of finger millet flour addition on rheological properties of wheat dough in the breadmaking process.
16. Luca Beleggia (University Politechnic delle Marche, Ancona, Italy, 09.2022 - PROM, NAWA); Topic: the suitability of edible insects incorporation into food matrices in form of powder. The matrix of choice is gluten-free bread based on buckwheat flour
17. Michaela Cannas (University of Sassari, Sassari, Italy, 09.2022 - PROM, NAWA); Topic: Re-use of myrtle and artichoke industry by-products.
18. Samuel Kiiuru (Yomo Kenyatta University, Nairobi, Kenya, 05.2022 - PROM, NAWA); Topic: Edible insects as an additive modifying the physicochemical properties of starch products.
19. Stevens Duarte Serna (Politecnica de Valencia, Valencia, Spain, 06.2022 - PROM, NAWA), Tamt: Almond bagasse by hot air drying utilization for products formulation.
20. Claudia Bas Bellver (Politecnica de Valencia, Valencia, Spain, 06.2022 - PROM, NAWA), Topic: The assessment on the functional and technological properties of flour mixtures obtained from gluten/gluten free flours respectively wheat/rice composed with fruit and vegetable powders obtained from food industry waste.
21. Cristina Burca Busaga (Politecnica de Valencia, Valencia, Spain, 09.2019 - 12.2019 - Erasmus+ Training), Topic: Evaluation of physic-chemical and functional properties of powdered food ingredients with high content in carotenoids and anthocyanins obtained from persimmon peel and blueberry bagasse, when they are used in combination with cereal flours.
22. Antonio Vela Corona (University of Valladolid, Valladolid, Spain, 09.2019 - PROM, NAWA), Topic: Physical modifications of gluten-free (GF) flours with ultrasounds.
23. Angel Guitierrez (University of Valladolid, Valladolid, Spain, 09.2019 - PROM, NAWA). Topic: The functional properties of flours from HHP treated cereal and pseudocereal grains at some conditions given of pressure and time in a single or two cycle.

Participation in doctoral examination committees for doctoral dissertations:

1. Food industry waste as a substrate for co-digestion with sewage sludge in a municipal sewage treatment plant: Paweł Mikulski, supervisor Małgorzata Krzywonos.
2. Consumer attitudes and behaviour towards tofu and technological determinants in shaping the quality of hemp tofu, Magdalena Kopacz, supervisor Małgorzata Krzywonos;
3. Research on the production of a new type of gluten-free bread with the addition of transglutaminase Angelika Zys, supervisor Zbigniew Garncarek;

4. Influence of selected determinants of attitudes, preferences and behaviours of Polish grape wine consumers: Jolanta Gut, supervisor - Małgorzata Krzywonos
5. Possibilities of using waste fats from the agri-food industry as lubricants, Monika Szczypska; supervisor - Wojciech Golimowski
6. Quality of two-stage pressed rapeseed oil after low-temperature bleaching, Marta Bochniak, supervisor - Wojciech Golimowski
7. Influence of selected process parameters of UHT sterilisation on the reduction of fouling in the production of food for special medical purposes: Sylwia Zimny, supervisor - Małgorzata Krzywonos.
8. Determinants of nutritional behaviour of consumers of regional products in Lower Silesia: Monika Kaczmarczyk, supervisor -Małgorzata Krzywonos
9. Studies on production and immobilisation of naringinase from Aspergillus niger , Joanna Bodakowska-Boczniewicz, supervisor - Zbigniew Garncarek
10. Physicochemical characterization of plant oils and their blends - their thermal changes studied by infrared and Raman spectroscopy Abdouladhim Albegar, supervisor - Jerzy Hanuza
11. Changes in the quality of goose meat during freezer storage Monika Wereńska, supervisor - Andrzej Okruszek

Supervisor of the master's student's research internship:

1. Phillipine Geolot (University of Reunion, St. Denis, France, 04.2024-08.2024 Erasmus+ Training) Topic: Valorisation of Moringa oleifera leaves and seeds.
2. Angelica Compagnoni (University Politecnica delle Marche, Ancona, Italy, 09. 2023 - 12.2023 Erasmus+ Training), Topic: Verification of kvass manufacturing methods using breads made from Italian and Polish buckwheat.
3. Noemi Anzini (University Politecnica delle Marche, Ancona, Italy, 09. 2023 - 12.2023 Erasmus+ Training), Topic: Verification of kvass manufacturing methods using breads made from Secale montanum.
4. Lorenzo Pozzi (University of Milan, Milan, Italy, 02.2021 -06.2021; Erasmus+ Training); Topic: The application of algae in gluten-free products.
5. Elena Satta, (University of Bologna, Bologna, Italy, 09.2018 - 02.2019, Improvement of functional properties of gluten-free flours.

Supervisor of undergraduate research internship:

1. Kristy Groton (Universite des Antilles, St. Claude, Guadeloupe, 02.2024-06.2024 Erasmus+ Training) Topic: Valorisation of Terminalia cattapa almond powder.
2. Sarah Lemoyne (Universite des Antilles, St. Claude, Guadeloupe, 02.2024-06.2024 Erasmus+ Training) Topic: Valorisation of Artocarpus altilis and Artocarpus comansis leaves powder as food ingredient.

3. Ingrid MARCHAUX (Universite des Antilles, St. Claude, Guadeloupe, 02.2024-06.2024 Erasmus+ Training) topic: Valorization of mango leaves of Guadelupe in powders as food ingredient.
4. Léanne VINCESLAS (Universite des Antilles, St. Claude, Guadeloupe, 02.2024-06.2024 Erasmus+ Training) Topic: Powder of coconut coprah waste after oil preparation by pressing as granola base.
5. Thaina Josy (Universite des Antilles, St. Claude, Guadeloupe, 02.2024-06.2024 Erasmus+ Training) Topic: Valorisation of *Luffa cylindrica* powder as food ingredient.
6. Maria Talanas (univeristy of Sassari, Sassari, Italy 09.2015-12.2015 Erasmus+ Training) Topic: Buckwheat flour utilisation for pan carasou.

I have acted as supervisor for 36 Master's theses (3 in Spanish, 3 in English) and 3 Bachelor's theses.

Number of PhD students promoted:

1 from Poland, 3 from abroad

Prof. Dr. hab. Ing.
Wojciech Golimowski

Wrocław University of Economics and Business

Scientific specialisation:

- Vegetable oil production technology
- Management of waste from food production
- Production process engineering
- Operation and construction of machinery

Functions held (current and past):

- Dean of the Faculty of Production Engineering (2024-2028)
- Head of the Department of Agroengineering and Quality Analysis
- Vice-Dean of the Faculty of Engineering and Economics

The President of the Republic of Poland, Andrzej Duda, awarded Wojciech Golimowski the title of professor of engineering sciences in the discipline of environmental engineering, mining and energy on 29 February 2024.
Prof. Wojciech Golimowski began his scientific career at the Poznań branch of the Institute of Construction, Mechanisation and Electrification of Agriculture. The decision to embark on an academic path stemmed from a desire to pursue his own interests, related to motorisation and renewable energy sources. Since October 2016, he has entered the walls of the Wrocław University of Economics. He currently works at the Faculty of Production Engineering in the Department of Agroengineering and Quality Analysis.
Professor Golimowski graduated with a single master's degree in Agricultural and Forestry Technology, specialising in the Economics of Technical Services in Agriculture, from the former Agricultural Academy in Poznań. After completing his studies, he joined the Institute of Construction Mechanisation and Electrification of Agriculture, where he carried out research on renewable energy sources, specifically alternative power sources for agricultural vehicles. He defended his doctoral thesis at the Institute-Technological and Natural Sciences in 2010. . Scientific Council of the Institute of Technology and Life Sciences, in a resolution of 16.10.2014, conferred the degree of doctor habilitated in the field of

agricultural sciences, in the discipline of agricultural engineering, specialization renewable energy sources.
Professor Golimowski's research interests are concentrated in the areas of engineering and technical sciences and agricultural sciences. In engineering sciences, he carries out research in the field of energy engineering concerning renewable energy sources. In agricultural sciences in the field of process engineering concerning issues of food production technology and food quality analysis.
Professor Wojciech Golimowski is the author and co-author of more than fifty scientific papers, twenty-seven of which he has published in JCR-listed journals. In addition, he is the author and co-author of three scientific monographs and the author of numerous articles published in professional journals. He also has an innovative track record, being the author and co-author of ten inventions that have received protection from the Polish Patent Office. He has received four awards from the Rector of UEW for his scientific activities between 2020 and 2023, including three first-class awards.
He has experience in the implementation and coordination of research and science dissemination projects. He has implemented four international projects under the EIE; IEE, FP7, ETV programmes as an expert and contractor. He has experience in the implementation of R&D projects carried out in partnership between scientific entities and entrepreneurs from Poland. He has implemented and coordinated tasks in four projects subsidised by NCBR in cooperation with the economic environment. Some of the projects ended with the implementation of innovative solutions. He acted as Lead Expert, co-author and coordinator of tasks in large multi-year programmes financed from the Ministry of Regional Development in the period 2011-2015 and 2016-2020. In addition, he implemented a research project under the MOZART X programme with funding from the City of Wrocław. He is currently carrying out an R&D project under a grant from the ARMA. He has authored and co-authored expert reports recommended by private entities and the Ministry of Agriculture and Rural Development.

Publications:

Mr Professor is the author of dozens of scientific publications, among them:

1. Marcinkowski, D., Nizio, E., Golimowski, W., & Czwartkowski, K. (2024). The Influence of the Used Bleaching Earth on the Content of Natural Dyes in Hemp (Cannabis sativa L.) Oils. *Applied Sciences-Basel*, Article 14(1). https://doi.org/10.3390/app14010390
2. Golimowski, W., Teleszko, M., Hare, A., Kmiecik, D., & Grygier, A. (2023). Effect of the Bleaching Process on Changes in the Fatty Acid Profile of Raw Hemp Seed Oil (Cannabis sativa). *Molecules*, *28*, Article 2. https://doi.org/10.3390/molecules28020769
3. Ratomski, P., Hawrot-Paw, M., Koniuszy, A., Golimowski, W., Kwaśnica, A., & Marcinkowski, D. (2023). Indicators of Engine Performance Powered by a Biofuel

Blend Produced from Microalgal Biomass: A Step towards the Decarbonization of Transport. *Energies*, *16*, Article 14. https://doi.org/10.3390/en16145376.

4. Golimowski, W., Teleszko, M., Marcinkowski, D., Kmiecik, D., Grygier, A., & Kwaśnica, A. (2022). Analysis of Changes in the Amount of Phytosterols after the Bleaching Process of Hemp Oils. *Molecules*, *27*, Article 10. https://doi.org/10.3390/molecules27217196
5. Czwartkowski, K., Wierzbic, A., & Golimowski, W. (2022). Quality, Key Production Factors, and Consumption Volume of Niche Edible Oils Marketed in the European Union. *Sustainability*, *14*, Article 3. https://doi.org/10.3390/su14031846
6. Golimowski, W., Teleszko, M., Marcinkowski, D., Kmiecik, D., Grygier, A., & Kwaśnica, A. (2022). Quality of Oil Pressed from Hemp Seed Varieties: 'Earlina 8FC', 'Secuieni Jubileu' and 'Finola'. *Molecules*, *27*, Article 10. https://doi.org/10.3390/molecules27103171.
7. Gracz, W., Marcinkowski, D., Golimowski, W., Szwajca, F., Strzelczyk, M., Wasilewski, J., & Krzaczek, P. (2021). Multifaceted Comparison Efficiency and Emission Characteristics of Multi-Fuel Power Generator Fueled by Different Fuels and Biofuels. *Energies*, *14*, Article 12. https://doi.org/10.3390/en14123388.
8. Hawrot-Paw, M., Ratomski, P., Koniuszy, A., Golimowski, W., Teleszko, M., & Grygier, A. (2021). Fatty Acid Profile of Microalgal Oils as a Criterion for Selection of the Best Feedstock for Biodiesel Production. *Energies*, *14*, Article 21. https://doi.org/10.3390/en14217334.
9. Helis, M., Strzelczyk, M., Golimowski, W., Steinhoff-Wrześniewska, A., Paszkiewicz-Jasińska, A., Hawrot-Paw, M., Koniuszy, A., & Hryniewicz, M. (2021). Biomass Potential of the Marginal Land of the Polish Sudetes Mountain Range. *Energies*, *14*, Article 21. https://doi.org/10.3390/en14217156.
10. Cieślik, W., Szwajca, F., Golimowski, W., & Berger, A. (2021). Experimental Analysis of Residential Photovoltaic (PV) and Electric Vehicle (EV) Systems in Terms of Annual Energy Utilization. *Energies*, *14*, Article 4. https://doi.org/10.3390/en14041085

Contractor in a project(s) funded through either a national or international competition:

- ✓ ApisProFuturo; DDD.6509.00041.2022.05; Collaboration 16; ARiMR 2022-2025. analysis of bee honeys of improved quality

Internship at a foreign or national academic centre or research institution:

- ✓ 01-30.11.2021; The University of Scranton; USA; to take stock of the cooperation to date and create further

Awards and distinctions received (national and international):

- ✓ Rector's award second-degree team award for scientific achievements in 2023, 2024
- ✓ Level II scientific allowance, 2023
- ✓ Rector's First Class Achievement Award 2022 in the area of conducting research activities, 2023
- ✓ Rector's First Class Award for academic achievement, 2021
- ✓ Rector's First Class Award for research achievements in 2019, 2020

Cooperation with a foreign university or research institution:

- ✓ The University of Scranton; research supported by scientific publications 2011- present; Norwegian Research Institute (Norway), research supported by scientific publications 2016- present

Conferences:

- ➢ **Unpublished material:**

1. Książek Ewelina, Kołodziej Marta, Golimowski Wojciech: Nutritional and pro-health properties of unconventional edible oils, 1-19 pp, 2019, Scientific Conference "Edible oils - from raw material to consumer health" 2019, presentation
2. Książek Ewelina, Bochniak Marta, Wereńska Monika, Golimowski Wojciech: Unconventional edible oils, 1-19 pp, 2019, XI Conference of the Science - Practice series "About herbs, spices, oils, regional products and not only..." 2019, presentation
3. Golimowski Wojciech: Influence of temperature of two-stage pressing of rapeseed with extrusion on oil yield, 1-13 pp, 2019, Scientific Conference "Edible oils - from raw material to consumer health" 2019, presentation
4. Bochniak Marta, Wereńska Monika, Golimowski Wojciech: Influence of bleaching and pressing methods on the quality and nutritional properties of rapeseed oil, 32 p., 2019, Scientific conference "Edible oils - from raw material to consumer health" 2019, presentation

5. Bochniak Marta, Wereńska Monika, Golimowski Wojciech: Impact of cold storage on fatty acids profile in rapeseed oil, 1 p., 2019, 4th Food for Health International Society 2019, poster
6. Koprzak Kamil Other affiliations in UEW: Department of Agroengineering and Quality Analysis (IP/KAA), Doctoral School (SD), Bochniak Marta, Golimowski Wojciech: Effectiveness of obtaining oil from various varieties of hemp, 1-14 p., 2020, XXI Miznarodnij naukovo-prakticnij forum "Teoria i praktika rozvitku agropromislovogo kompleksu ta sil's'kih teritorij" 2020, presentation
7. Marcinkowski Damian, Czwartkowski Kamil, Other affiliations in UEW: Department of Agroengineering and Quality Analysis (IP/KAA), Doctoral School (SD), Bochniak Marta, Wereńska Monika, Golimowski Wojciech: Influence of storage conditions of rapeseed oil on the change of its quality parameters, 1 p., 2022, VI Scientific Conference "Science and practice - agriculture of different outlooks". - The role of agricultural sciences in implementing the concept of sustainable food system "from field to table" 2022, poster
8. Marcinkowski Damian, Czwartkowski Kamil,Other affiliations at UEW: Department of Agroengineering and Quality Analysis (IP/KAA), Doctoral School (SD), Bochniak Marta, Golimowski Wojciech: Influence of selected storage conditions of rapeseed oil on its physicochemical properties, 1-1 p., 2022, XXVIII Scientific Conference "Advances in the technology of vegetable fats" 2022, poster
9. Czwartkowski Kamil, Other affiliations at UEW: Department of Agroengineering and Quality Analysis (IP/KAA), Doctoral School (SD), Marcinkowski Damian, Bochniak Marta, Wereńska Monika, Golimowski Wojciech: Filter bed activity in the process of low-temperature bleaching of rapeseed oil, 1 p., 2022, VI Scientific Conference "Science and practice - agriculture of different views". - The role of agricultural sciences in implementing the concept of sustainable food system "from field to table" 2022, poster
10. Marcinkowski Damian, Czwartkowski Kamil, Other affiliations in UEW: Doctoral School (SD) Książek Ewelina, Bochniak Marta, Biazik Ewa, Golimowski Wojciech: Activity of bleaching earth in the process of bleaching low-temperature rapeseed oil, 1-1 p., 2023, XXIX International Scientific Conference "Advances in the technology of vegetable fats: Rapeseed oil - Polish gold" 2023, poster
11. Marcinkowski Damian, Czwartkowski Kamil, Other affiliations at UEW: Doctoral School (SD) Golimowski Wojciech: Reuse of bleaching earth: the green solution for rapeseed oli producers, 1-1 pp, 2023, International Scientific Events. Agriculture & Food 11th International Conference 2023, poster
12. Książek Ewelina, Bochniak Marta, Czwartkowski Kamil, Other affiliations in UEW: Doctoral School (SD), Marcinkowski Damian, Golimowski Wojciech: Rapeseed oil in the global vegetable oil system: situation, specificities and perspectives, 1-1 pp, 2023, XXIX International Scientific Conference "Advances in the technology of vegetable fats: Rapeseed oil - Polish gold" 2023, poster
13. Golimowski Wojciech, Teleszko Mirosława, Marcinkowski Damian, Czwartkowski Kamil, Other affiliations at UEW: Szkoła Doktororska (SD), Książek Ewelina, Biazik Ewa, Bochniak Marta, Zając Adam, Kmiecik Dominik, Author's external affiliation: University of Life

Sciences, Berger Andrew Author's external affiliation: University of Scranton: Effectiveness of the bleaching process of niche oils on the example of hempseed oil, 1-16 pp, 2023, XXIX International Scientific Conference "Advances in plant fat technology: Rapeseed oil - Polish gold" 2023, presentation

14. Bochniak Marta, Wereńska Monika, Golimowski Wojciech, Książek Ewelina, Czwartkowski Kamil Other affiliations in UEW: Doctoral School (SD), Marcinkowski Damian: Quality of rapeseed oil, pressed in two stages after low-temperature bleaching process, 1-18 pp, 2023, 22nd World Conference of Food Science & Technology "Accelerating Novel Scientific Approaches for Safe and Sustainable Food" 2023, presentation
15. Bochniak Marta, Wereńska Monika, Golimowski Wojciech, Książek Ewelina, Czwartkowski Kamil Other affiliations in UEW: Doctoral School (SD), Marcinkowski Damian: Influence of the pressing methods on the quality of rapeseed oil, 1-1 p., 2023, XXIX International Scientific Conference "Advances in the technology of vegetable fats: Rapeseed oil - Polish gold" 2023, poster
16. Nizio Edyta, Czwartkowski Kamil Other affiliations at UEW: School of Doctoral Studies (SD), Niedbała Gniewko External author affiliation: Poznań University of Life Sciences Golimowski Wojciech, Bochniak Marta, Książek Ewelina, Marcinkowski Damian: Absorption of Polycyclic Aromatic Hydrocarbons by Food Products during Smoking, 1-1 p., 2024, VIII Scientific Conference "Science and Practice - Different Views Agriculture". - Dilemmas of agriculture in the 21st century. - opportunities and threats 2024, poster
17. Nizio Edyta Other affiliations at UEW: Szkoła Doktororska (SD), Czwartkowski Kamil Other affiliations at UEW: Szkoła Doktororska (SD), Golimowski Wojciech, Wereńska Monika, Marcinkowski Damian: Accumulation of Polycyclic Aromatic Hydrocarbons in Smoked Food, 1-1 p., 2024, XXX Jubilee International Scientific Conference "Advances in the technology of vegetable fats: Rapeseed oil - Polish gold" 2024, poster
18. Golimowski Wojciech, Bochniak Marta, Książek Ewelina, Nizio Edyta, Czwartkowski Kamil, Other affiliations in UEW: Doctoral School (SD), Marcinkowski Damian: Niche oils on the example of hemp seed as a source of biofuels , 1-13 p., 2024, VIII Scientific Conference "Science and practice - agriculture of different perspectives". - Dilemmas of agriculture in the 21st century. - opportunities and threats 2024, presentation
19. Golimowski Wojciech, Bochniak Marta, Książek Ewelina, Nizio Edyta Other affiliations at UEW: Szkoła Doktororska (SD), Czwartkowski Kamil Other affiliations at UEW: Szkoła Doktororska (SD), Marcinkowski Damian, Wereńska Monika: Influence of hemp oil biofuels on diesel engine performance , 2024, XXX Jubilee International Scientific Conference "Advances in the technology of vegetable fats: Rapeseed oil - Polish gold" 2024, presentation
20. Czwartkowski Kamil, Other affiliations at UEW: Szkoła Doktororska (SD), Nizio Edyta Other affiliations at UEW: Szkoła Doktororska (SD), Golimowski Wojciech, Marcinkowski Damian: Design of dedicated adsorption process of undesirable components in edible niche oils, 2024, XXX Jubilee International Scientific Conference "Advances in vegetable fats technology: Rapeseed oil - Polish gold" 2024, poster

Other materials:

1. Golimowski Wojciech*, Wojciech Golimowski Department of Agroengineering and Quality Analysis (IP/KAA)Faculty of Production Engineering (IP)External affiliation of publication: other Gracz Weronika, Weronika Gracz External affiliation of author: Institute of Technology and Life Sciences Butlewski Krystian, Krystian Butlewski Affiliation not stated Marcinkowski Damian, Damian Marcinkowski Affiliation not stated Konieczny Ryszard Ryszard Konieczny Chair of Agroengineering and Quality Analysis (IP/KAA)Faculty of Production Engineering (IP) : Energy and Environmental Potential of Permanent Grasslands in Poland, 80-80 p., 2017, abstract

Implementation or application of research results - description of implementation or application of innovation (product, process, system, organisational, social); legal form of transfer - type of contract; year

1. Technology for the production of methyl esters for own use by agricultural producers. Technology filed with the Polish Patent and Trademark Office and obtained protection no. Pat.212848. Solution in cooperation with the business environment, the GIOGORA company from Poznań
2. Rapeseed oil refining technology. Implementation at the "BASTIK" production plant in Koźmin Wlkp. Implementation of R&D work under the INNOTECH II project No. 181835, Acronym: COIL from NCBR. The project resulted in three inventions protected by the Polish Patent Office (Pat.232781; Pat.235820; Ru.069922; Ru.066480)
3. Technology for cogeneration of energy from animal fats based on experimental experiments. Application for registration of a solution with the Patent and Trademark Office, protection no. Rat.217369.
4. Technology for the torrefaction of biomass of various types, developed on the basis of experimental research. Patent pending before the Polish Patent Office, protection no. 235820

Commercialisation of research results, development works or know-how related to these results - description of the commercialisation method; legal form of the transfer - type of agreement

1. Title: Characteristics of fat extracted from mink Contractor: GOLIMOWSKI W.

Order: P.P.H. POLS-MEAT Date of issue: 14.11.2012 r.

Title: Expert opinion entitled "Greenhouse gas emission reduction potential in Polish agriculture. "Potential for reduction of greenhouse gas emissions in Polish agriculture taking into account the effects of the Common Agricultural Policy". Contractor: GOLIMOWSKI W and others (28 authors) Commissioned by: Zootechnics National Research Institute
Date of implementation: 30.09.2015 r.
Title: Expert opinion on innovative product - "pellets from sawdust" with increased calorific value. Contractor: GOLIMOWSKI W. Commissioned by: P.P.H.U. ALUM-PLAST
Date of issue: 11.08.2015 r.
4. Title: Expert opinion concerning the verification of research on the processing of digestate pulp, carried out within the framework of the project entitled: 'Development of technology for the production of high-quality organic fertiliser and plant growth accelerator from biogas plant digestate' Contractor: GOLIMOWSKI W. Commissioned by: BIOWATT, 2 Blacharska Street, 61-006 Poznań. Date of issue: 21.09.2017 r.
5. Title: Opinion on the innovation of the design of the dredger with a working unit for liquidation of the plough sole : GOLIMOWSKI W. Employer: Agricultural producer Paweł Chyta Date of issue: 21.12.2017 r.
6. Title: Study to determine the estimated impact of biocomponent and biofuel production on water resources and water and soil quality NCR/01/72/2017
Contractor: BUTLEWSKI K. GOLIMOWSKI W. MARCINKOWSKI D. GRACZ W. Commissioned by: Ministry of the Environment Date of issue: 15.03.2017 r.
7. title: carrying out an opinion on the innovativeness of the project: organisational changes in poultry breeding, introduction of circular economy, management of chicken farms bio-insertion of farms
Contractor: GOLIMOWSKI W. Commissioned by: Operational Group "Mazowiecka poziomka". Issue date: 11.02.2020 r.

Original achievements in design, construction, technology:

1. Technology for the production of self-produced methyl esters by agricultural producers.
Subject of implementation: "Biofuel production device" Exclusive right no: Pat.212848, of which I am the 90% creator. The device operated according to a technology involving the simultaneous production of a catalytic mixture, an exothermic reaction, with heating of vegetable oil with the heat of the KOH-methanol reaction. Such a solution was made possible by the use of a rotating tank inside the chamber for the production of methyl esters. The invention was created in cooperation between the Institute of Technology and Life Sciences and BIOGORA Józef Woźniak. The producer of the agro-refinery: BIOGORA Józef Woźniak, REGON: 311091884, NIP: 781-136-23-67, introduced the patent solution into its business. BIOGORA was a manufacturer of biofuel production facilities for its own use. A change in legislation restricting the production of biofuels for own use resulted in the closure of the company and the protection right expired on 30-09-2013.

2 Technology for the production of rapeseed oil as an agricultural fuel in accordance with DIN 51605.
Subject of implementation: "Equipment for the production of agricultural biofuel" Exclusive right no: Ru.066480. The device was built on the farm of the Institute of Technology and Life Sciences and was used to produce fuel for agricultural tractors operating on a farm of 320 ha since 2010. Due to the impossibility of producing vegetable oil as fuel for agricultural tractors, production was discontinued in 2012. The unit operated using low-temperature bleaching technology. BASTIK acquired the exclusive rights and, as a result, in 2013, undertook a project with the acronym COIL. The technology was refined.
3 Oil refining technology involving low-temperature bleaching.
Following the project with the acronym COIL, the implementation of a technology for the production of rapeseed oil with improved quality in the production plant of BASTIK Sp. z o.o. Three inventions were implemented in 2016: 'Method of partial refining of vegetable oil' Pat.232781, 'Method of transmission of heat generated during production of agri-food products' Pat. 235820 and Vegetable oil refining tank Ru.069922. Rapeseed oil, pressed in two stages, is purified with bleaching earth in a special tank designed for this purpose. The oil was cooled by means of a heat pump, which simultaneously heated the seeds used to produce the oil. Oil was produced using this technology until 2021.

Industrial property rights:

1. GOLIMOWSKI W. SZULC R. "Device for biofuel production" Authorised: Institute of Technology and Life Sciences, BIOGORA Woźniak Józef, Application no: P.384301 on 21.01.2008, Exclusive right no: Pat.212848 on 14.06.2012.
2. SZULC R. GOLIMOWSKI W. "Heat exchanger, especially for washing milking installations" Authorised: Institute of Technology and Life Sciences, Application no. W.117551 on 25.06.2008, Exclusive right no: Ru.065054 on 27.01.2010.
3. SZULC R. GOLIMOWSKI W. PODLESKI J. "Device for reheating livestock premises with recovered thermal energy from used washing water" Authorised: Institute of Technology and Life Sciences, Application no: W.119017 on 11.05.2010, Exclusive right no: Ru.066141 on 14.03.2012.
4. BUTLEWSKI K. GOLIMOWSKI W. MYCZKO A. "Method of obtaining electricity from biomass in an agricultural combined heat and power plant" Entitled: Institute of Technology and Life Sciences, Application no: P.403803 on 08.05.2013, Exclusive right no: Pat.227318 on 30.11.2017.
5. GOLIMOWSKI W. KLIBER A. SZULC R. GOLIMOWSKA R. "Heat and electricity generator powered by animal biomass" Authorised: Institute of Technology and Life Sciences, Application no: P.396507 on 03.10.2011, Exclusive right no: Pat.217369 on 20.12.2013. -
6. GOLIMOWSKI W. JANAS Z. MYCZKO A. "Device for production of agricultural biofuel" Entitled: Institute of Technology and Life Sciences, BASTIK Sp. z o.o., Application no: W.119564, Exclusive right no: Ru.066480 on 12.09.2012.

7. GOLIMOWSKI W. ŁASKA B. PASYNIUK P. ADAMCZYK F. TRAWIŃSKI A. "Method of partial refining of vegetable oil" Entitled: BASTIK Sp. z o.o., Instytut Technologiczno-Przyrodniczy, Przemysłowy Instytut Maszyn Rolniczych, Notification: P.416163 on 17.02.2016, Exclusive right no: Pat.232781 on 22.03.2019.
8. BUTLEWSKI K. GOLIMOWSKI W. MYCZKO A. MARCINKOWSKI D. GRACZ W. "Device for the production of torrefaction from biomass" Entitled: Institute of Technology and Life Sciences, Application no: P.422461 on 07.08.2017, Exclusive right no: Pat.234449 on 23.09.2019.
9. GOLIMOWSKI W. PODLESKI J. PASYNIUK P. ŁASKA B. ADAMCZYK F. TRAWIŃSKI A. "Method of transmission of heat generated in the production of agri-food products" Entitled: BASTIK Sp. z o.o., Institute of Technology and Life Sciences, Industrial Institute of Agricultural Machines, Application: P.416164 on 17.02.2016, Exclusive right no: Pat.235820 on 13.01.2020.
10. SNICHALSKI G. SZAROLETA M. FRĄCKOWIAK P. GOLIMOWSKI W. PASYNIUK P. ŁASKA B. TRAWIŃSKI A. "Vegetable oil refining tank" Entitled: BASTIK Sp. z o.o., Institute of Technology and Life Sciences, Industrial Institute of Agricultural Machinery, Application: W.124870 on 18.02.2016, Exclusive right no: Ru.069922 on 20.12.2017.

Number of PhD students promoted:

3

Dr hab., prof. WUEB

Lucyna Dymińska

Wrocław University of Economics and Business

Scientific specialization:

- Food chemistry
- food analysis and evaluation
- Member of the Recruitment Committee for the Doctoral School at the University of Economics in Wrocław
- Candidate for supervisor at the Doctoral School.

Positions held (currently and in the past):

- Head of the Department of Bioorganic Chemistry

List of published academic achievements:

The professor is the author of several dozen scientific publications, including:

1. Wróbel-Kwiatkowska, M., Osika, A., Liszka, J., Lipiński, M., Dymińska, L., Piegza, M., & Rymowicz, W. (2024). The Impact of a Non-Pathogenic Strain of Fusarium Oxysporum on Structural and Biochemical Properties of Flax Suspension Cultures. *International Journal of Molecular Sciences*, *25*, 1–14. https://doi.org/10.3390/ijms25179616
2. Orkusz, A., Dymińska, L., Banaś, K., & Harasym, J. (2024). Chemical and Nutritional Fat Profile of Acheta domesticus, Gryllus bimaculatus, Tenebrio molitor and Rhynchophorus ferrugineus. *Foods*, Article 13(1). https://doi.org/10.3390/foods13010032
3. Godlewska, P., Sąsiadek, W., Kucharska, E., Ropuszyńska-Robak, P., Dymińska, L., Janczak, J., Lisiecki, R., Ptak, M., & Hanuza, J. (2024). Structural, spectroscopic properties ant prospective application of a new nitropyridine amino N-oxide derivative: 2-[(4-nitropyridine-3-il)amino]ethan-1-ol N-oxide. *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy*, *305*, 1–13. https://doi.org/10.1016/j.saa.2023.123426

4. Michalski, J., Stoczewski, Z., Roszak, S., Kucharska, E., Bryndal, I., Dymińska, L., Lisiecki, R., & Hanuza, J. (2024). Conformation of the hydrazo bond in new 2-methyl-3,5-dinitro-6-(2-phenylhydrazinyl)pyridine and its influence on the structural and optic properties – Quantum chemical DFT calculations. *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy*, *308*, 1–14. https://doi.org/10.1016/j.saa.2023.123760
5. Wróbel-Kwiatkowska, M., Turski, W., Silska, G., Rakicka-Pustułka, M., Dymińska, L., & Rymowicz, W. (2024). Determination of Bioactive Compound Kynurenic Acid in Linum usitatissimum L. *Molecules*, Article 29(8). https://doi.org/10.3390/molecules29081702
6. Dymińska, L., Hanuza, J., Janczak, J., Ptak, M., & Lisiecki, R. (2023). Spectroscopic and optical properties of 1,2,4-triazolo[4,3-a]pyridin-3(2H)-one as a component of herbicides. *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy*, *303*, 1–10. https://doi.org/10.1016/j.saa.2023.123141
7. Wojtasik, W., Majewska, K., Dymińska, L., Hanuza, J., Zimniewska, M., Preisner, M., Szopa, J., & Wróbel-Kwiatkowska, M. (2023). Optimization of hydrodynamic degumming of flax fiber for improved biochemical profile. *Industrial Crops and Products*, *206*, 1–11. https://doi.org/10.1016/j.indcrop.2023.117621
8. Zając, A., Sąsiadek, W., Dymińska, L., Ropuszyńska-Robak, P., Hanuza, J., Ptak, M., Smółka, S., Lisiecki, R., & Skrzypczak, K. (2023). Chitosan and Its Carboxymethyl-Based Membranes Produced by Crosslinking with Magnesium Phytate. *Molecules*, Article 28(16). https://doi.org/10.3390/molecules28165987
9. Zając, A., Michalski, J., Ptak, M., Dymińska, L., Kucharska, A. Z., Zierkiewicz, W., & Hanuza, J. (2021). Physicochemical Characterization of the Loganic Acid–IR, Raman, UV-Vis and Luminescence Spectra Analyzed in Terms of Quantum Chemical DFT Approach. *Molecules*, *26*, Article 22. https://doi.org/10.3390/molecules26227027
10. Mierziak, J., Wojtasik, W., Kulma, A., Dziadas, M., Kostyń, K., Dymińska, L., Hanuza, J., Żuk, M., & Szopa, J. (2020). 3-hydroxybutyrate is active compound in flax that upregulates genes involved in DNA methylation. *International Journal of Molecular Sciences*, *21*, Article 8. https://doi.org/10.3390/ijms21082887

Number of PhD students promoted:

2 (1 foreginer)

Dr. Ing., Prof. WUEB

Andrzej Okruszek

Wrocław University of Economics and Business

Scientific specialisation:

- the influence of biological and technological factors on the quality of raw meat;
- the impact of storage conditions for meat and meat products on their quality parameters
  and consumer health safety;
- the influence of genetic and environmental factors on the quality and nutritional value of meat from different species of slaughter animals;
- Functional and health-promoting additives in meat processing technology;
- the impact of different preservation techniques for raw meat on its nutritional value and its culinary and technological suitability.

Functions held (present and past):

- currently: Vice-Rector for Student Affairs and Education (2024-2028)
- currently: Head of the Department of Food Technology and Nutrition
- Dean of the Faculty of Production Engineering (2020-2024)
- Chairman of the Scientific Discipline Council - Food Technology and Nutrition
- Member of the Council of the Doctoral School
- Member of the Recruitment Committee for the Doctoral School
- Member (as Vice-Rector) of the Strategy Council as part of the implementation of "Strategy 2030 of Wrocław University of Economics".

Professor Andrzej Okruszek defended his doctoral thesis entitled "Slaughter value and meat quality of carcasses of young slaughter cattle classified in the EUROP system" in 2001, whose supervisor was Professor Stanisław Wajda; in 2014 he was habilitated on the basis of his thesis entitled "Selected physical, physicochemical properties and nutritional value of goose fat muscles from native conservation herds". He was employed as an associate professor at the Institute of Food Chemistry and Technology at the Faculty of Production Engineering, Wrocław University of Economics.

Specialist in food and nutrition technology and evaluation of raw materials of animal origin. Conducts research in areas related to quality and nutritional value and food safety.
In addition, it deals with the application of new technologies in food production and issues related to the reorganisation of the food system towards sustainability, allowing solutions to be developed that can provide societies with healthy food of high and reproducible quality.

Mr Professor is the author of dozens of scientific publications, among which are

1. Werenska, M., Haraf, G., Okruszek, A., Marcinkowska, W., & Woloszyn, J. (2023). The Effects of Sous Vide, Microwave Cooking, and Stewing on Some Quality Criteria of Goose Meat. *Foods*, *12*, Article 1. https://doi.org/10.3390/foods12010129
2. Werenska, M., & Okruszek, A. (2023). Impact of frozen storage on some functional properties and sensory evaluation of goose meat. *Poultry Science*, *102*, Article 10. https://doi.org/10.1016/j.psj.2023.102894.
3. Haraf, G., Wołoszyn, J., Okruszek, A., & Wereńska, M. (2023). Technological properties, chemical composition, texture profile, and sensory evaluation of goose muscles from Polish native breeds. *Poultry Science*, *102*, Article 2. https://doi.org/10.1016/j.psj.2022.102424.
4. Goluch, Z., Okruszek, A., Sierżant, K., & Wierzbicka-Rucińska, A. (2023). The Influence of Wheat Germ Expeller on Performance and Selected Parameters of Carbohydrate, Lipid, and Protein Metabolism in Blood Serum for Broilers. *Agriculture (Switzerland)*, *13*, Article 4. https://doi.org/10.3390/agriculture13040753
5. Werenska, M., Woloszyn, J., Okruszek, A., Marcinkowska, W., & Haraf, G. (2023). The effects of sous-vide, microwave cooking and stewing of goose meat on fatty acid profile and lipid indices. *Poultry Science*, *102*, Article 2. https://doi.org/10.1016/j.psj.2022.102337
6. Werenska, M., & Okruszek, A. (2022). Impact of frozen storage on fatty acid profile in goose meat. *Poultry Science*, *101*, Article 12. https://doi.org/10.1016/j.psj.2022.102213.
7. Werenska, M., Okruszek, A., Haraf, G., Woloszyn, J., & Goluch, Z. (2022). Impact of frozen storage on oxidation changes of some components in goose meat. *Poultry Science*, *101*, Article 1. https://doi.org/10.1016/j.psj.2021.101517.
8. Werenska, M., Haraf, G., Woloszyn, J., Goluch, Z., Okruszek, A., & Teleszko, M. (2021). Fatty acid profile and health lipid indications of goose meat in relation to various types of heat treatment. *Poultry Science*, *100*, Article 8. https://doi.org/10.1016/j.psj.2021.101237.
9. Goluch, Z., Król, B., Haraf, G., Woloszyn, J., Okruszek, A., & Wereńska, M. (2021). Impact of various types of heat processing on the energy and nutritional values of goose breast meat. *Poultry Science*, *100*, Article 11. https://doi.org/10.1016/j.psj.2021.101473.

10. Haraf, G., Wołoszyn, J., Okruszek, A., Goluch, Z., Wereńska, M., & Teleszko, M. (2021). The protein and fat quality of thigh muscles from Polish goose varieties. *Poultry Science*, *100*, Article 4. https://doi.org/10.1016/j.psj.2021.01.015.

Conferences:

- **Unpublished material:**

1. Wereńska Monika, Okruszek Andrzej, Waniowski Paweł: Determinants of Consumer's Behavior from the Lubuskie, Podkarpackie, and Podlaskie Voivodeships on the Vegan and Vegetarian Delicatessen Products Market, 22-22 p., 2022, 9th International Conference on the "Quality and Safety in Food Production Chain" 2022, abstract
2. Okruszek Andrzej, Wereńska Monika, Waniowski Paweł: Determinants of consumer's behavior from the Lubuskie, Podkarpackie, and Podlaskie voivodeships on the vegan and vegetarian delicatessen products market, 3 p., 2022, 9th International Conference on the "Quality and Safety in Food Production Chain" 2022, poster

Projects:

- **The best quality honey produced in the sustainable environment of an intelligent hive guaranteeing better** bee colony **health** (ApisProFuturo)

Project leader at WUEB: Andrzej Okruszek (IP/KTŻŻ)
The aim of the project is to produce top quality honey using an IoT (internet of things) system. The use of an information system that relates to the Internet of Things technology will make it possible to source product, technology, organisational and marketing methods and to support the local market for excellent quality honey by reducing bee diseases and honey contamination., hives guaranteeing better bee colony health. The implementation of smart apiaries and the development of a system...
Project start date: 01-01-2023, project end date: 30-04-2025
Scientific discipline (Act 2.0): Food and nutrition technology (FTC): 100%

Expertise:

Preparation of an opinion on the innovativeness of the project: "Implementation of new products in the form of sweet wraps into the offer of Dijo Baking sp. z o.o.".
Creator Andrzej Okruszek (IP/KTŻŻ)
Manufacturing Production Engineering Department (IP)unit
Manufacturing year 2020
Preparation of an opinion on the innovativeness of the project: "Implementation of new products in the form of sweet wraps into the offer of Dijo Baking sp. z o.o.".

Implementations:

- Preparation of an opinion on the innovativeness of the project: "Implementation of new products in the form of sweet wraps into the offer of Dijo Baking sp. z o.o.", 2020 (expert opinion)

Mode of transfer of product/patent; transfer
Implementing entity: Wroclaw University of Economics (WUEB)
Unit where non-EUW parent implemented: Dijo Baking sp. z o.o.
Legal form of the transfer of the result: agreement for the sale of the economic copyright
Year of implementation/sales 2020
Contract number: R-BP-SOP.0161.2.54.2020
Contract date: 28.04.2020
Research unit revenue from implementation: 2020: PLN 6000
Scientific area, field, discipline: food and nutrition technology / agricultural sciences / agricultural, forestry and veterinary sciences
Preparation of an opinion on the innovativeness of the project: "Implementation of new products in the form of sweet wraps into the offer of Dijo Baking sp. z o.o.".

Teams/activities:

- Sponsor of the Strategic Priority Continuous development of competencies for the future as part of the implementation of the "Strategy 2030 of Wrocław University of Economics".
  Okruszek Andrzej: Strategic Priority Council Continuous Competence Development of the Future, 2024
  Completion date: 17.12.2024

- Sponsor of the Strategic Priority Distinguished education of experts and business leaders in the implementation of the "Strategy 2030 of Wrocław University of Economics"
  Okruszek Andrzej: Strategic Priority Board Distinguished education of experts and business leaders, 2024
  Completion date (if known): 17.12.2024
  Scope of influence: small/local
  Country of function (or international organisation): Poland

- Zero Waste - towards a reduction in food waste; Okruszek Andrzej: Chairing the session, In: XXXII Economic Forum "New values of the Old Continent - Europe at the threshold of change" (Economic Forum 2023), 2023, 05-09-2023 - 07-09-2023, Karpacz, Poland, 2023

Awards, prizes:

- Rector's award second level team award for scientific achievements in 2023
- Rector's First Class Organizational Achievement Award 2019
- Scientific or research activities
- Level II scientific allowance 2023
- Second level scientific allowance 2022
- Doctor of Agricultural Sciences,

Number of PhD students promoted:

1

Dr. hab. Ing., Prof. UWEB

Agnieszka Orkusz

Wrocław University of Economics and Business

- Doctorate in: agricultural sciences/food and nutrition technology 2008
- Doctor of Agriculture/Management Sciences, 2018
- Scientific specialisation: technological innovations in functional and health-promoting food production, unconventional animal raw materials in food production, nutritional problems in the aspect of civilisation diseases.

Co-author List of published scientific output:

1. Orkusz A., Wolańska W., Harasym J., Piwowar A., Kapelko M.: Consumers' Attitudes Facing Entomophagy: Polish Case Perspectives, International Journal of Environmental Research and Public Health, 2020, 17(7), 2427
2. Cardinali, F., Foligni, R., Ferrocino, I., Harasym, J., Orkusz, A., Milanović, V., Franciosa, I.; Garofalo, C.; Mannozzi, C.; Mozzon, M.; Coccolin, L.; Aquilanti, L.; Osimani, A. Microbiological, morpho-textural, and volatile characterization of portuguese Queijo de Nisa PDO cheese. Food Research International, 2022, Volume 162, Part A, 112011
3. Cardinali, F., Foligni, R., Ferrocino, I., Harasym, J., Orkusz, A., Franciosa, I., Milanović, V., Garofalo, C.; Mannozzi, C.; Mozzon, M.; Coccolin, L.; Osimani, A.; Aquilanti, L.; Microbial diversity, morpho-textural characterization, and volatilome profile of the portuguese thistle-curdled cheese Queijo da Beira Baixa PDO. c, 2022, Volume 157, 111481, Food Research International
4. Kapelko, M., Harasym, J., Orkusz, A., & Piwowar, A. Cross-national comparison of dynamic inefficiency for European dietetic food manufacturing firms. 2022, Technological and Economic Development of Economy, 28(4), 893–919
5. Lisovska, T.; Banaś, K.; Orkusz, A.; Harasym, J. Hydrothermal Treatment via Microwave Radiation Improves Viscoelastic Properties of Native Gluten-Free Flours for Extrusion 3D Printing. Appl. Sci. 2023, 13, 12465
6. Piwowar A., Wolańska W., Orkusz A., Kapelko M., Harasym J.: Modelling the Factors Influencing Polish Consumers' Approach towards New Food Products on the Market, Sustainability, 2023, 15(3), 2818
7. Rampanti, G.; Ferrocino, I.; Harasym, J.; Foligni, R.; Cardinali, F.; Orkusz, A.; Milanović, V.; Franciosa, I.; Garofalo, C.; Mannozzi, C.; Mozzon, M.; Osimani, A.; Aquilanti, L. Queijo Serra

da Estrela PDO Cheese: Investigation into Its Morpho-Textural Traits, Microbiota, and Volatilome. Foods, 2023, 12(1), 169

8. Cardinali Federica, Harasym Joanna, Orkusz Agnieszka [i in.]: Tasting of traditional Polish fermented cucumbers: microbiology, morpho-textural features, and volatilome, Food Research International, 2024, vol. 177, s. 1-24, Numer artykułu: 113851
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Conference - Konferencje:

- **Co-presenting a scientific paper at the conference:**

1. Harasym, J. Lisovska, T., Villanueva., M., Orkusz, A., Olędzki, R., Banaś, K Modification Of High Nutritional Gluten-Free Flours By Innovative Heat-Moisture Treatment For The Development Of Improved Bakery Products, 17th ASEAN Food Conference, 24-27 October 2023, Kuching, Malaysia.

2. Lisovska T., Banaś K., Orkusz A., Harasym J. Rice-teff blends gluten-free bread characteristics affected by microwave-assisted high moisture treatment of white and brown teff varieties; 21-23.08.2023, Rzym, Włochy;
3. Harasym J., Krzos G., Orkusz. A, Nutrition awareness and dietary choices among e-sportsmen in Poland. Conference on Adaptations and Nutrition in Sports (ICANS),Temasek Polytechnic, Singapur, 19 – 21 July 2023;
4. Orkusz A., Harasym J. The Role of Spices in the Human Diet, International Congress on Natural, Health Sciences and Technology: Book of Abstracts, 2023, Tetova, University of Tetova, 780 s., North Macedonia;
5. T. Lisovska, M. Villanueva, F. Ronda, A. Orkusz, J. Harasym, High moisture microwave treatment modulates functional and pasting characteristics of teff flour, 16th Baltic Conference on Food Science and Technology FOODBALT 2023 "TRADITIONAL MEETS NON-TRADITIONAL IN FUTURE FOOD," May 11–12, 2023, Jelgava, Estonia
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10. Orkusz A., Kiiru S., Kinyuru J., Harasym J.: Two-spotted cricket (Gryllus bimaculatus) powder addition impact on hydration properties of blends with rice flour, 36th EFFoST International Conference: Shaping the Production of Sustainable, Healthy Foods for the Future 2022, 07.11-09.11.2022, Dublin, Irlandia;
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Conference materials, co-author:

1. Orkusz Agnieszka, Wolańska Wioletta, Kaim Urszula, Olędzki Remigiusz, Harasym Joanna: Psychological and Socio-Cultural Markers of Polish Consumer Acceptance of Insects as a Food Ingredient, P1.1.04, 1-1 pp, 2019, 33nd EFFoST International Conference: Sustainable Food Systems - Performing by Connecting 2019, poster
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28. Orkusz Agnieszka, Banaś Karol, Tancula Nathan Affiliation unspecified, Olędzki Remigiusz, Harasym Joanna, Dobrzyńska Daniela, Olędzki Remigiusz, Banaś Karol, Tancula Nathan, Nathan Tancula Affiliation unspecified, Orkusz Agnieszka, Harasym Joanna: Antioxidant activity and reducing power of hybrid grapevines fruit grown in Poland, 182-183 pp, 2020, 4th International Wroclaw Scientific Meetings 2020, posterian Affiliation not stated : Box Diet - Can You Rely on It? , 186-187 p., 2020, 4th International Wroclaw Scientific Meetings 2020, poster
29. Olędzki Remigiusz, Tancula Nathan Affiliation unspecified, Banaś Karol, Orkusz Agnieszka, Harasym Joanna: Fruits of interspecific hybrids grapevines as a source of polyphenolic compounds, 181-182 p., 2020, 4th International Wroclaw Scientific Meetings 2020, poster
30. Olędzki Remigiusz, Banaś Karol, Tancula Nathan Affiliation unspecified, Orkusz Agnieszka, Harasym Joanna: Antioxidant activity and reducing power of hybrid grapevines fruit grown in Poland, 182-183 p., 2020, 4th International Wroclaw Scientific Meetings 2020, poster
31. Banaś Karol, Other affiliations at WUEB, Harasym Joanna, Tancula Nathan Affiliation unspecified, Orkusz Agnieszka, Olędzki Remigiusz: The unique content of oat oil - the perspectives of exploitation, 79-80 p., 2020, 4th International Wroclaw Scientific Meetings 2020, poster
32. Banaś Karol Affiliation unspecified, Harasym Joanna, Tancula Nathan Affiliation unspecified, Olędzki Remigiusz, Orkusz Agnieszka: Oat oil samples from polar and non-polar extraction characterisation with near (NIR) and medium infrared (MIR) spectroscopy , 81-82 p., 2020, 4th International Wroclaw Scientific Meetings 2020, poster
33. Orkusz Agnieszka, Harasym Joanna: The addition of edible insects as nutritional value modifier - in traditional dumplings, 2021, 35th EFFoST International Conference: Healthy Individuals, Resilient Communities, and Global Food Security 2021, abstract

34. Orkusz Agnieszka, Harasym Joanna: Diet with an insect - suggestions for dishes for the whole day!, 2021, 35th EFFoST International Conference: Healthy Individuals, Resilient Communities, and Global Food Security 2021, abstract
35. Harasym Joanna, Orkusz Agnieszka, Pozzi Lorenzo External author affiliation: Universita degli Studi di Milano: The functional properties of bread wheat flour + Spirulina platensis powder binary blends, 2021, 35th EFFoST International Conference: Healthy Individuals, Resilient Communities, and Global Food Security 2021, abstract.
36. Harasym Joanna, Orkusz Agnieszka, Pozzi Lorenzo External affiliation of author: Universita degli Studi di Milano: Enzymatic activity impact on viscometric characteristics of binary blends of bread wheat flour and Spirulina platensis powder , 2021, 35th EFFoST International Conference: Healthy Individuals, Resilient Communities, and Global Food Security 2021, abstract.
37. Orkusz Agnieszka, Kiiru Samuel Author's external affiliation: Kinyuru John, John Kinyuru External affiliation of author, Harasym Joanna: Two-spotted cricket (Gryllus Bimaculatus) powder addition impact on hydration properties of blends with rice flour , 1 p., 2022, 36th EFFoST International Conference: Shaping the Production of Sustainable, Healthy Foods for the Future 2022, abstract
38. Orkusz Agnieszka, Kiiru Samuel External author affiliation, Harasym Joanna: Impact of mediteranian cricket (Gryllus bimaculatus) powder addition on the viscometric profiles of millet flour blends, 1 p., 2022, 8th International Conference on Food Chemistry & Technology 2022, abstract
39. Orkusz Agnieszka, Harasym Joanna: Strategies Facilitating Edible Insects Acceptance, 1 p., 2022, 8th International Conference on Food Chemistry & Technology 2022, poster
40. Orkusz Agnieszka, Harasym Joanna: Preschool menus composition as indicator of local food market, 1 p., 2022, 32nd International Scientific-Expert Conference of Agriculture and Food Industry 2022, abstract
41. Orkusz Agnieszka, Harasym Joanna: Hiding edible insects in wheat bread matrix - the acceptance case , 1 p., 2022, 36th EFFoST International Conference: Shaping the Production of Sustainable, Healthy Foods for the Future 2022, abstract
42. Orkusz Agnieszka, Harasym Joanna: Food for 9 billion people: meat vs. edible insects, 1 p., 2022, 8th International Conference on Food Chemistry & Technology 2022, poster
43. Orkusz Agnieszka, Harasym Joanna: Edible insects as innovative factor for local circular economy approach, 1 p., 2022, 32nd International Scientific-Expert Conference of Agriculture and Food Industry 2022, abstract
44. Orkusz Agnieszka, Harasym Joanna: Edible insects as environmentally friendly food production model, 1 p., 2022, 6th International Congress Water, Waste and Energy Management 2022, poster
45. Orkusz Agnieszka, Harasym Joanna: Edible insects as a meat alternative, 1 p., 2022, 21st World Congress of Food Science & Technology "Future of Food - Innovation, Sustainability & Health" 2022, poster
46. Orkusz Agnieszka, Harasym Joanna, Mozzon Massimo Affiliation unspecified Foligni Roberta Foligni External author affiliation: Universita Politecnica delle Marche: Tradition

and modernity - dumplings with the addition of edible insects in Polish and Italian cuisine, 1 p., 2022, 21st World Congress of Food Science & Technology "Future of Food - Innovation, Sustainability & Health" 2022, abstract

47. Harasym Joanna, Osimani Andrea Author's external affiliation: Universita Politecnica delle Marche, Orkusz Agnieszka, Aquilanti Lucia Author's external affiliation: Universita Politecnica delle Marche: Physiochemical and microbiological characteristics of artisanal cheeses may offer a new solution for industrial starters, 1 p., 2022, 21st World Congress of Food Science & Technology "Future of Food - Innovation, Sustainability & Health" 2022, abstract
48. Harasym Joanna, Orkusz Agnieszka: Static magnetic field SMF treatment impact on functional characteristic of buckwheat flour , 1 p., 2022, 8th International Conference on Food Chemistry & Technology 2022, abstract
49. Harasym Joanna, Orkusz Agnieszka: Food waste conversion in edible insect rearing systems, 1 p., 2022, 6th International Congress Water, Waste and Energy Management 2022, poster
50. Harasym Joanna, Orkusz Agnieszka, Villanueva Marina, Ronda Felicidad External affiliation of author: Universidad de Valladolid: The addition of house cricket (Acheta domesticus) powder to rice flour impacts the rheological profile of rice flour, 1 p., 2022, 7th Cerealsa and Europe Spring Meeting 2022, poster.
51. Harasym Joanna, Orkusz Agnieszka, Olędzki Remigiusz: Ultrasounds processing of buckwheat whole-grain modifies the rheological characteristics of obtained flour, 1 p., 2022, 36th EFFoST International Conference: Shaping the Production of Sustainable, Healthy Foods for the Future 2022, poster
52. Orkusz Agnieszka, Kapelko Magdalena, Piwowar Arkadiusz, Harasym Joanna: CREABIOECON - Creative sectors in the food industry and added value creation in the bioeconomy, 1-3 pp, 2023, InterResearch FEST 2023, presentation
53. Orkusz Agnieszka, Harasym Joanna: Tenebrio molitor for a sustainable world, 1-1 pp, 2023, The International Society for Ecological Modelling Global Conference 2023: Ecological Models for Tomorrow's Solutions 2023, poster
54. Orkusz Agnieszka, Harasym Joanna: Edible insects as an environmentally friendly model for food production, 1-1 pp, 2023, Green Region Forum 2023, abstract
55. Orkusz Agnieszka, Harasym Joanna: Knowledge of the principles of a planetary diet in preschool nutrition - Wrocław district, Poland, 1-1 p., 2023, Dietitians Australia 2023 Conference 2023, poster
56. Orkusz Agnieszka, Harasym Joanna: How about insects?, 1-1 p., 2023, 19th European Symposium on the Quality of Eggs and Egg Products 2023, poster
57. Orkusz Agnieszka, Harasym Joanna: Emotions vs edible insects - is it a problem?, 1-22 pp, 2023, 17th ASEAN Food Conference "Future of Food in ASEAN: What's Next?" 2023, presentation
58. Orkusz Agnieszka, Harasym Joanna: Brain activity towards objects induces feelings of revulsion in the perspective of the possibility of changing the attitude of western society

towards the perception of edible insects as food, 1-1 p., 2023, Miami Winter Symposium 2023: Molecular Neuroscience: Focus on Sensory Disorders 2023, poster

59. Orkusz Agnieszka, Dymińska Lucyna, Harasym Joanna: How nutritious are a house cricket, a mealworm, a Mediterranean cricket and a palm weevil?, 1 p., 2023, Dietitians Australia 2023 Conference 2023, poster
60. Orkusz Agnieszka, Banaś Karol, Karol, Harasym Joanna: Edible Insects - What About The Fat?, 1-12 pp, 2023, 17th ASEAN Food Conference "Future of Food in ASEAN: What's Next?" 2023, presentation
61. Lisovska Tetiana, Banaś Karol, Orkusz Agnieszka, Harasym Joanna: Rice-teff blends gluten-free bread characteristics affected by microwave-assisted high moisture treatment of white and brown teff varieties, 1-1 p., 2023, 22nd World Conference of Food Science & Technology "Accelerating Novel Scientific Approaches for Safe and Sustainable Food" 2023, abstract
62. Lisovska Tetiana, Banaś Karol, Orkusz Agnieszka, Harasym Joanna: Rice-teff blends gluten-free bread characteristics affected by microwave-assisted high moisture treatment of white and brown teff varieties, 1-1 p., 2023, 22nd World Conference of Food Science & Technology "Accelerating Novel Scientific Approaches for Safe and Sustainable Food" 2023, paper presented
63. Harasym Joanna, Krzos Grzegorz, Orkusz Agnieszka: Nutrition awareness and dietary choices among e-sportsmen in Poland, 1-1 pp, 2023, International Conference on Adaptations and Nutrition in Sports 2023, poster.
64. Carpentieri Serena External affiliation of the author: Universita degli Studi di Salerno, Orkusz Agnieszka, Ferrari Giovanna Author's external affiliation: Universita degli Studi di Salerno, Harasym Joanna: Functionalization of durum wheat pasta through the incorporation of novel protein-rich sources (Tenebrio molitor larvae), 1-24 pp, 2023, 37th EFFoST International Conference: Sustainable Food and Industry 4.0: Towards the 2030 Agenda 2023, presentation
65. Orkusz Agnieszka, Ostasiewicz Katarzyna, Harasym Joanna: From disgust to acceptance: Exploring consumer attitudes and emotional responses to edible insects in Western cultures, 1-32 p., 2024, Entomology 2024 2024, presentation
66. Orkusz Agnieszka, Harasym Joanna: Edible Insects in Western Culture. What Makes Accepting Insects as Foodstuff Challenging?, 171 p., 2024, 22nd World Congress of Food Science & Technology "The future of food is now: Development, Functionality & Sustainability' 2024, abstract
67. Orkusz Agnieszka, Harasym Joanna: Edible Insects in Western Culture. What Makes Accepting Insects as Foodstuff Challenging, 1-28 pp, 2024, 22nd World Congress of Food Science & Technology "The future of food is now: Development, Functionality & Sustainability' 2024, presentation
68. Orkusz Agnieszka, Harasym Joanna: Approach to Insects in Societies with and without Entomophagous Traditions, 396 p., 2024, 22nd World Congress of Food Science & Technology "The future of food is now: Development, Functionality & Sustainability' 2024, abstract

69. Orkusz Agnieszka, Harasym Joanna: Approach to insects in societies with and without entomophagous traditions, 1-1 pp, 2024, 22nd World Congress of Food Science & Technology "The future of food is now: Development, Functionality & Sustainability' 2024, poster
70. Kiiru Samuel Author's external affiliation: Ng'ang'a Jeremiah, Jeremiah Ng'ang'a Author's external affiliation: Konyole Silvenus, Silvenus Konyole Author's external affiliation: Masinde Muliro University of Science and Technology, Roos Nanna Author's external affiliation: Kobenhavns Universitet, Hetzer Birgit Author's external affiliation: Max Rubner-Institut, Marel Anna-Kristina Author's external affiliation: Max Rubner-Institut, Orkusz Martyna Author's external affiliation: Wrocław University of Life Sciences, Harasym Joanna, Kinyuru John Author's external affiliation: African Institute for Capacity Development: Technological impact of Gryllus bimaculatus powder in gluten-free flour formulations, 43-43 pp, 2024, Insects for the Green Economy Conference "Sustainable Food Systems and Livelihoods in Africa" 2024, abstract
71. Harasym Joanna, Orkusz Agnieszka, Krzos Grzegorz, Pejcz Ewa, Wojciechowicz-Budzisz Agata, Wiśniewski Rafał: Vivafer - dry wafer improvement for higher protein and fiber content, 1-1 p., 2024, 22nd World Congress of Food Science & Technology "The future of food is now: Development, Functionality & Sustainability" 2024, poster

Harasym Joanna, Orkusz Agnieszka, Krzos Grzegorz, Pejcz Ewa, Wojciechowicz-Budzisz Agata, Banaś Karol: VIVAFER-Dry Wafer Improvement for Higher Protein and Fiber Content, 558 p., 2024, 22nd World Congress of Food Science & Technology "The future of food is now: Development, Functionality & Sustainability" 2024, abstract

Participation in projects:

- High fibre and high protein innovative dry wafer , Project manager at WUEB: Joanna Harasym, start date 01-03-2024, end date 31-01-2027, Realised
- Effect of oat beta-glucan in Crohn's disease - preclinical study [UMO-2022/47/B/NZ9/03123] Project leader at WUEB: Joanna Harasym, start date 20-06-2023, end date 19-06-2026, Realised
- Innovative hydrothermal processing of highly nutritious gluten-free flours to develop improved bakery products
- Project manager at WUEB: Tetyana Lisovska, start date 01-04-2021, end date 31-10-2023, Completed - implemented
- Scientific studies
- Agnieszka Orkusz (IP/KBA) , Joanna Harasym (IP/KBA) , Karol Banaś (IP/KBA) : Research in the area of high-quality food storage - analysis of physical and microbiological air purity in concrete modules for food storage, 2022 (scientific study)
- Agnieszka Orkusz (IP/KBA) , Joanna Harasym (IP/KBA) : Research work within the project entitled "Development and automation of technology for the production of

disposable, biodegradable and eco-friendly dishes for high-quality food based, among other things, on milling fractions from ancient cereals - BranTec", 2022 (scientific study)

- Joanna Harasym (IP/KBA) , Remigiusz Olędzki (IP/KBA) , Dorota Smolińska , Agnieszka Orkusz (IP/KBA) , Karol Banaś (WUEB) : Performance of industrial research services in the area of modulation of nutritional and texturizing properties of insoluble oat fibre using microwave radiation treatment , 2021 (scientific study)

Implementations:

- Joanna Harasym (IP/KBA) , Remigiusz Olędzki (IP/KBA), Dorota Smolińska , Agnieszka Orkusz (IP/KBA) , Karol Banaś (WUEB) : Performance of research services consisting of industrial research in the area of modulation of nutritional and texturising properties of insoluble oat fibre using microwave radiation treatment , 2021 (scientific study) [Beta Bio Technology Sp. z o.o.].
- Agnieszka Orkusz (IP/KBA) , Joanna Harasym (IP/KBA) , Karol Banaś (IP/KBA) : Research in the area of high-quality food storage - analysis of physical and microbiological air purity in concrete modules for food storage, 2022 (scientific study) [Ready Bathroom sp. z o.o.].
- Agnieszka Orkusz (IP/KBA) , Joanna Harasym (IP/KBA): Research work within the project entitled "Development and automation of technology for the production of disposable, biodegradable and eco-friendly dishes for high-quality food based, inter alia, on milling fractions from ancient cereals - BranTec", 2022 (scientific study) [SDA Group sp. z o.o.].

Activities:

Mobility of researchers: Staff Training Mobility (STT) Erasmus + Programme In: Universita degli Studi di Salerno (UNISA), 2024; University "St. Kliment Ohridski" - Bitola, 2023; Università Politecnica delle Marche, 2023; Sapienza Universita di Roma, 2023; Universitat Politecnica de Valencia (UPV), 2023; Universita degli Studi di Sassari (UniSS), 2023; Universita degli Studi di Foggia (UNIFG), 2023; Universita di Bologna (UNIBO), 2022; Universita Politecnica Delle Marche, 2022; Universita degli Studi di Foggia (UNIFG), 2022, Univerzitet u Sarajevu, 2022; Universita degli Studi di Salerno (UNISA), 2022; Universita Politecnica Delle Marche, 2021; Universita Politecnica Delle Marche, 2021

Functions performed:

Plenipotentiary of the Rector for the Lower Silesian Science Festival

Multimedia:

- Novel food. Food for the future , Participation in a radio programme, In: Czwórka Polskie Radio / Polish Radio, 2020
- Green Region Forum: what challenges does the world face? Participation in an online media interview , In: Echo24 Television (Echo24), 2023
- Bread, pancakes or cutlets made from... insects! Such delicacies are served by scientists from the Wrocław University of Economics! , Participation in an interview for online media, In: Academic Wrocław, 2022
- Research using edible insects is conducted at the Wrocław University of Economics Participation in online media interview, In: TVP 3 Wrocław / Telewizja Polska (TVP), 2022
- EU scientists study the food of the future. Will insects replace meat? , Participation in an online media interview, In: Echo24 Television (Echo24), 2022
- Migratory locusts instead of carp for Christmas? , 2023 (Website)
- Why should we include insects in our diet?
- Why we should include insects in our diet, 2022, YouTube (sounds)
- Bread, pancakes or cutlets made from... insects! Such delicacies are served by scientists from the Wrocław University of Economics! 2022 (website)
- Novel food. Food for the future, 2020 (sounds)
- Agnieszka Orkusz (IP/KBA) : Insects on a plate! Is it possible?, 2020, YouTube (film)

Number of PhD students promoted:

1

Uniwersytet Ekonomiczny
we Wrocławiu

Rector

R-BP-SOP.014.1.62.2019

REGULATION NO. 62/2019
of the Rector of the Wroclaw University of Economics and Business
of 21 August 2019

regarding the appointment of the Recruitment Commission of the Doctoral School

§ 1

Pursuant to Para. 2.1 of Resolution no. R R.0000.49.2019, adopted by the Senate of the Wroclaw University of Economics and Business on 25 April 2019, regarding the establishment of the rules of recruitment to the Doctoral School of the Wroclaw University of Economics and Business for the first year of education in the academic year 2019/2020, I hereby appoint the Recruitment Commission of the Doctoral School composed of the following:

1. Prof. Andrzej Graczyk, PhD, Habil.;
2. Prof. Ewa Stańczyk-Hugiet, PhD, Habil.;
3. Prof. Krzysztof Jajuga, PhD, Habil.;
4. Małgorzata Krzywonos, PhD, Habil., Eng., Prof. of the WUEB;
5. Andrzej Okruszek, PhD, Habil., Eng., Prof. of the WUEB;
6. Prof. Grażyna Osbert-Pociecha, PhD, Habil.;
7. Prof. Czesław Zając, PhD, Habil.

§ 2

The Regulation will come into effect on the day it is signed.

Rector

Prof. Andrzej Kaleta, PhD, Habil.

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R-B-SOP.014.1.99.2020

REGULATION NO. 99/2020
of the Rector of the Wroclaw University of Economics and Business
of 10 July 2020

regarding the appointment of the Recruitment Commission of the Doctoral School

§ 1

Pursuant to Para. 2.a of Resolution no. R.0000.38.2020, adopted by the Senate of the Wroclaw University of Economics and Business on 23 March 2020, regarding the establishment of the rules of recruitment to the Doctoral School of the Wroclaw University of Economics and Business for the first year of education in the academic year 2020/2021, I hereby appoint the Recruitment Commission of the Doctoral School composed of the following:

1) Prof. Czesław Zając, PhD, Habil. – Chairperson;
2) Prof. Grażyna Osbert-Pociecha, PhD, Habil.;
3) Prof. Andrzej Graczyk, PhD, Habil.;
4) Prof. Ewa Stańczyk-Hugiet, PhD, Habil.;
5) Prof. Krzysztof Jajuga, PhD, Habil.;
6) Prof. Małgorzata Krzywonos, PhD, Habil., Eng.;
7) Andrzej Okruszek, PhD, Habil., Eng., Prof. of the WUEB;
8) Olga Rutkowska, MA – Secretary;
9) Renata Majewska, MA – Secretary.

§ 2

The Regulation will come into effect on the day it is signed.

Rector

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R-B-SOP.014.1.42.2021

REGULATION NO. 42/2021

of the Rector of the Wroclaw University of Economics and Business

of 21 April 2021

regarding the appointment of the Recruitment Commission of the Doctoral School

§ 1

Pursuant to Para. 2.1 of Resolution no. R.0000.4.2021, adopted by the Senate of the Wroclaw University of Economics and Business on 21 January 2021, regarding the establishment of the rules of recruitment to the Doctoral School of the Wroclaw University of Economics and Business for the first year of education in the academic year 2021/2022, I hereby appoint the Recruitment Commission of the Doctoral School composed of the following:

1) Prof. Czesław Zając, PhD, Habil. – Chairperson;
2) Prof. Ewa Stańczyk-Hugiet, PhD, Habil.;
3) Prof. Jarosław Witkowski, PhD, Habil.;
4) Prof. Andrzej Graczyk, PhD, Habil.;
5) Prof. Krzysztof Jajuga, PhD, Habil.;
6) Lucyna Dymińska, PhD, Habil., Prof. of the WUEB;
7) Andrzej Okruszek, PhD, Habil., Eng., Prof. of the WUEB;
8) Olga Rutkowska, MA – Secretary;
9) Renata Majewska, MA – Secretary.

§ 2

The Regulation will come into effect on the day it is signed.

Rector

Prof. Andrzej Kaleta, PhD, Habil.

R-B-SOP.021.1.55.2022

REGULATION NO. 55/2022

of the Rector of the Wroclaw University of Economics and Business

of 5 April 2022

regarding the appointment of the Recruitment Commission of the Doctoral School in the academic year 2022/2023

§ 1

Pursuant to Para. 2.1 of Resolution no. R.0000.69.2021, adopted by the Senate of the Wroclaw University of Economics and Business on 16 December 2021, regarding the establishment of the rules of recruitment to the Doctoral School of the Wroclaw University of Economics and Business for the first year of education in the academic year 2022/2023, I hereby appoint the Recruitment Commission of the Doctoral School composed of the following:

1) Prof. Czesław Zając, PhD, Habil. – Chairperson,
2) Prof. Ewa Stańczyk-Hugiet, PhD, Habil.,
3) Prof. Jarosław Witkowski, PhD, Habil.,
4) Prof. Andrzej Graczyk, PhD, Habil.,
5) Prof. Krzysztof Jajuga, PhD, Habil.,
6) Lucyna Dymińska, PhD, Habil., Prof. of the WUEB,
7) Andrzej Okruszek, PhD, Habil., Eng., Prof. of the WUEB,
8) Olga Rutkowska, MA – Secretary,
9) Renata Majewska, MA – Secretary.

§ 2

The Regulation shall be in force during the period of recruitment to the Doctoral School in the academic year 2022/2023.

§ 3

The Regulation will come into effect on the day it is signed.

Rector

Prof. Andrzej Kaleta, PhD, Habil.

R-CLO-DOP.021.1.25.2023

REGULATION NO. 25/2023
of the Rector of the Wroclaw University of Economics and Business
of 10 March2023

regarding the appointment of the Recruitment Commission of the Doctoral School in the academic year 2023/2024

§ 1

Pursuant to Para. 2.1 of Resolution no. R.0000.4.2023 adopted by the Senate of the Wroclaw University of Economics and Business on 19 January 2023, regarding the rules of recruitment to the Doctoral School of the Wroclaw University of Economics and Business for the first year of education in the academic year 2023/2024, I hereby appoint the Recruitment Commission of the Doctoral School composed of the following:

1) Prof. Czesław Zając, PhD, Habil. – Chairperson,
2) Prof. Ewa Stańczyk-Hugiet, PhD, Habil.,
3) Prof. Jarosław Witkowski, PhD, Habil.,
4) Prof. Andrzej Graczyk, PhD, Habil.,
5) Prof. Krzysztof Jajuga, PhD, Habil.,
6) Lucyna Dymińska, PhD, Habil., Prof. of the WUEB,
7) Andrzej Okruszek, PhD, Habil., Eng., Prof. of the WUEB,
8) Olga Rutkowska, MA – Secretary,
9) Renata Majewska, MA – Secretary.

§ 2

The Regulation will come into effect on the day it is signed.

Rector

Prof. Andrzej Kaleta, PhD, Habil.

UNIWERSYTET EKONOMICZNY we Wrocławiu

RECTOR

R-CLO-DOP.021.1.42.2024
REGULATION NO. 42/2024
of the Rector of the Wroclaw University of Economics and Business
of 2 April 2024

regarding the appointment of the Recruitment Commission of the Doctoral School in the academic year 2024/2025

Pursuant to Para. 2.1 of Resolution no. R.0000.83.2023, adopted by the Senate of the Wroclaw University of Economics and Business on 18 December 2023, regarding the rules of recruitment to the Doctoral School of the Wroclaw University of Economics and Business for the first year of education in the academic year 2024/2025, I hereby appoint the Recruitment Commission of the Doctoral School.

§ 1

The following have been appointed as members of the Recruitment Commission:

1) Prof. Czesław Zając, PhD, Habil. – Chairperson,
2) Prof. Ewa Stańczyk-Hugiet, PhD, Habil.
3) Prof. Jarosław Witkowski, PhD, Habil.
4) Prof. Andrzej Graczyk, PhD, Habil.
5) Prof. Krzysztof Jajuga, PhD, Habil.
6) Lucyna Dymińska, PhD, Habil., Prof. of the WUEB,
7) Andrzej Okruszek, PhD, Habil., Eng., Prof. of the WUEB,
8) Olga Rutkowska, MA – Secretary,
9) Renata Majewska, MA – Secretary.

§ 2

The Regulation will come into effect on the day it is signed.

Rector

Prof. Andrzej Kaleta, PhD, Habil.

Uniwersytet Ekonomiczny
we Wrocławiu

SENATE

RESOLUTION NO. R.0000.49.2019

adopted by the SENATE of the WROCLAW UNIVERSITY OF ECONOMICS AND BUSINESS

on 25 April 2019

regarding

the establishment of the rules of recruitment to the Doctoral School of the Wroclaw University of Economics and Business for the first year of study in the academic year 2019/2020

Acting pursuant to Art. 28.1.12 and Art. 200.2 of the Act of 20 July 2018, Law on Higher Education and Science (Dz. U. /Journal of Laws/ of 2018, item 1668, as amended), hereinafter referred to as the Act, in connection with Art. 291 of the Act of 3 July 2018, Provisions implementing the Act – Law on Higher Education and Science (Dz. U., item 1669), and Regulation no. 24/2019 of the Rector of the Wroclaw University of Economics and Business of 15 April 2019, regarding the establishment of the Doctoral School of the Wroclaw University of Economics and Business, it is resolved as follows:

§ 1

1. Education at the Doctoral School shall last eight semesters and shall end with the submission of a doctoral dissertation.
2. The School shall provide education in the fields:
   1) social sciences in the disciplines: Economics and Finance, Management and Quality Science,
   2) agricultural sciences in the discipline: Food and Nutrition Technology.
3. The basis for education at the School shall be formed by the curriculum and the Individual Research Plan (IRP).
4. A person holding a professional master degree or an equivalent thereof, or a person referred to in Art. 186.2 of the Act may apply for admission to the Doctoral School of the Wroclaw University of Economics and Business (hereinafter the School).
5. Having sought the opinion of the Dean of the School, the Rector shall set the limit of admissions to the School for a given academic year.
6. With regard to candidates to the School completing the curriculum and Individual Research Plan in the English language, the qualification proceedings shall be carried out in English.

§ 2

1. The recruitment to the School shall be carried out by the Recruitment Commission of the Doctoral School appointed by the Rector, hereinafter referred to as the Commission.
2. In evaluating candidates to the School the member of the Commission shall be impartial and objective.

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www.ue.wroc.pl

3. The member of the Commission shall inform its other members of any circumstances that could affect their impartiality and objectivity in evaluating the candidates to the School. The Commission may decide to exclude its member from the procedure of evaluating a given candidate if this member's participation could raise reasonable doubts.
4. The member of the Commission shall be excluded from evaluating the candidate by operation of law in the case where this member:
   1) is planning to assume the duty of the candidate's supervisor or assistant supervisor;
   2) was the supervisor of the candidate's master thesis;
   3) is the candidate's superior or is in another employment relationship with the candidate;
   4) is or was the candidate's spouse or is the candidate's relative or second degree kin or is or was in cohabitation with the candidate;
   5) is or was related to the candidate by adoption, custody or guardianship;
   6) took part in the disciplinary proceedings in which the candidate to the School or a candidate for their supervisor were alleged offenders;
   7) there occur other objective circumstances that could raise reasonable doubts regarding impartiality and objectiveness in evaluating the candidate.
5. The member of the Commission excluded from evaluating the candidate shall not take part in the candidate's evaluation and shall leave the Commission's meeting room for the duration thereof.
6. The exclusion of the member of the Commission from evaluating the given candidate shall be recorded in the minutes of the Commission's meeting.
7. Resolutions of the Commission shall be adopted by simple majority vote, provided at least one half of its members are present. In the case of a tie, the Chairperson shall have a casting vote.
8. The minutes of the Commission's meetings shall be taken and signed by the Chairperson and the Commission members attending the session.
9. Tasks of the Commission shall include, without limitation:
   1) notifying candidates of the date and place of interviews; the notification should also be placed on the website of the WUEB at least seven days before the date set for the interview;
   2) carrying out the qualification proceedings;
   3) admitting candidates to the School by way of entering them on the list of doctoral students;
   4) taking administrative decisions on a refusal of admission to the School, including the justification thereof;
   5) considering appeals and evaluating complaints lodged by the candidates in connection with the recruitment procedure;
   6) drawing up:
      a) minutes of the Recruitment Commission's meetings;
      b) ranking list of the persons that may be qualified for being entered on the list of doctoral students;
      c) list of the persons admitted to the School having taken into account the limit set by the Rector.

§ 3

1. The School shall recruit candidates by way of competition based on the results of the qualification proceedings. The conditions of the recruitment procedure shall be open.
2. The candidate shall be qualified on the basis of the number of points obtained as a result of:
   1) conversion to points of the candidate's grade (W), corresponding to the result of completing long-

cycle or second-cycle studies shown on the degree certificate, according to the formula: P = (6 W – 18) x 5/3;
2) taking into consideration the documentation that demonstrates the candidate's predispositions to research work, evaluated using a 0-20 scale (awards for the outstanding master's degree thesis and participation in conferences, research projects, international scientific traineeships, etc.);
3) interview, evaluated using a scale from 0 to 20 points, during which the candidate is expected to demonstrate their knowledge of the selected discipline of science, specify the reasons for undertaking research work and present their own scientific interests;
4) evaluating the draft Individual Research Plan, using a scale from 0 to 20 points;
5) evaluating scientific achievements in the form of publications, using a scale from 0 to 20 points, where 20 points are given for satisfying the publication condition for starting the procedure for conferring a doctoral degree, in accordance with the provisions of the Act.

3. The maximum total number of points that may be obtained during the process of recruitment is 100.
4. The number of points being the basis for admission to the School shall be determined by the Commission, but this number may not be lower than 50.

§ 4

1. For the purpose of qualification proceedings, referred to in Para. 3, the candidate shall submit the following documents:
   1) application (questionnaire) for admission to the School,
   2) personal data form,
   3) copy of the degree certificate confirming the award of a master's degree (professional title) or an equivalent title,
   4) certificate showing the arithmetic mean of the grades obtained during the studies,
   5) documents confirming the knowledge of a modern foreign language at B2 level at a minimum, including a certificate or diploma confirming graduation,
   6) one photo 45 x 65 mm and two photos for a student ID,
   7) list of publications and documents confirming research achievements made so far, including conference presentations,
   8) additional documents confirming the candidate's predispositions to research work, e.g. certificates of completing research traineeship,
   9) draft Individual Research Plan, including, without limitation, a research problem, research objectives, research hypotheses/questions, research methods, framework schedule of research, literature review for the subject of research, possibilities of commercializing research,
   10) opinion and consent of a candidate for the supervisor.
2. A candidate who has obtained a degree certificate confirming the completion of master degree studies abroad shall submit:
   1) original of the degree certificate,
   2) sworn translation of the degree certificate to the Polish language, confirmed by the authorized persons or institutions,
   3) **document supporting the recognition of the degree certificate or a certificate of exemption from the recognition proceedings**, if required.
3. Time limits for submitting the documents shall be determined by the Dean of the School.

§ 5

1. The admission to the School shall take place by way of entry on the list of doctoral students.
2. The information about placement on the list of doctoral students of the School and the decision on refusing admission to the School shall be delivered to the candidate in accordance with general rules. In addition, the Recruitment Commission shall announce the list of persons placed on the list of doctoral students of the School by displaying it at the office of the School and on the website of the WUEB, and shall deliver it to the Rector.
3. The decision on refusing the admission of a candidate to the School shall be signed by the chairperson of the Recruitment Commission or vice-chairperson of the Recruitment Commission authorised by the chairperson. The justification for such decision shall be agreed by the Recruitment Commission and recorded in the minutes of its session.
4. The candidate may appeal against the decision on refusing admission to the School within 14 days as of the day of its delivery.

§ 6

In the case where the number of persons applying for admission to the School and satisfying the conditions specified in Para. 3.4 is higher than the limit of places set by the Rector, the persons who have obtained the highest number of points during their qualification proceedings shall be admitted to the School, until the admission limit has been reached.

§ 7

The way of carrying out the procedure of recruitment to the School shall take account of the needs of persons with disabilities.

§ 8

The rules and procedure for recruitment to the School shall be published on the website of the WUEB and in the form of announcements.

§ 9

The resolution will come into effect on the day of its adoption.

Rector

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Uniwersytet Ekonomiczny
we Wrocławiu

SENATE

RESOLUTION NO. R.0000.38.2020

adopted by the SENATE of the WROCLAW UNIVERSITY OF ECONOMICS AND BUSINESS

on 23 March 2020

regarding

the establishment of the rules of recruitment to the Doctoral School of the Wroclaw University of Economics and Business for the first year of study in the academic year 2020/2021

Acting pursuant to Art. 28.1.12 and Art. 200.2 of the Act of 20 July 2018, Law on Higher Education and Science (Dz. U. /Journal of Laws/ of 2018, item 1668, as amended), hereinafter referred to as the Act, and Regulation no. 24/2019 of the Rector of the Wroclaw University of Economics and Business of 15 April 2019, regarding the establishment of the Doctoral School of the Wroclaw University of Economics and Business, it is resolved as follows:

§ 1

1. Education at the Doctoral School shall last eight semesters and shall end with the submission of a doctoral dissertation.
2. The Doctoral School shall provide education in the fields:
   1) social sciences in the disciplines: economics and finance, management and quality science,
   2) agricultural sciences in the discipline: food and nutrition technology.
3. The basis for education at the Doctoral School shall be formed by the curriculum and the individual research plan.
4. A person holding a professional master degree or an equivalent thereof, or a person referred to in Art. 186.2 of the Act may apply for admission to the Doctoral School of the Wroclaw University of Economics and Business (hereinafter the School).
5. Having sought the opinion of the Dean of the School, the Rector shall set the limit of admissions to the School for a given academic year.

§ 2

a) The recruitment to the School shall be carried out by the Recruitment Commission of the Doctoral School appointed by the Rector, hereinafter referred to as the Commission. The Commission shall be appointed 14 days prior to the start of recruitment at the latest.
b) In evaluating candidates to the School the member of the Commission shall be impartial and objective.
c) The member of the Commission shall inform its other members of any circumstances that could affect their impartiality and objectivity in evaluating the candidates to the School. The Commission may decide to exclude its member from the procedure of evaluating a given candidate if this

member's participation could raise reasonable doubts.

d) The member of the Commission shall be excluded from evaluating the candidate by operation of law in the case where this member:
   1) is planning to assume the duty of the candidate's supervisor or assistant supervisor;
   2) was the supervisor of the candidate's master thesis;
   3) is the candidate's superior or is in another employment relationship with the candidate;
   4) is or was the candidate's spouse or is the candidate's relative or second degree kin or is or was in cohabitation with the candidate;
   5) is or was related to the candidate by adoption, custody or guardianship;
   6) took part in the disciplinary proceedings in which the candidate to the School or a candidate for their supervisor were alleged offenders;
   7) there occur other objective circumstances that could raise reasonable doubts regarding impartiality and objectiveness in evaluating the candidate.

e) The member of the Commission excluded from evaluating the candidate shall not take part in the candidate's evaluation and shall leave the Commission's meeting room for the duration thereof.

f) The exclusion of the member of the Commission from evaluating the given candidate shall be recorded in the minutes of the Commission's meeting.

g) Resolutions of the Commission shall be adopted by simple majority vote, provided at least one half of its members are present. In the case of a tie, the Chairperson shall have a casting vote.

h) The minutes of the Commission's meetings shall be taken and signed by the Chairperson and the Commission members attending the session.

i) Tasks of the Commission shall include, without limitation:
   1) notifying candidates of the date and place of interviews; the notification should also be placed on the website of the School at least seven days before the date set for the interview;
   2) carrying out the qualification proceedings;
   3) admitting candidates to the School by way of entering them on the list of doctoral students;
   4) taking administrative decisions on a refusal of admission to the School, including the justification thereof;
   5) considering appeals and evaluating complaints lodged by the candidates in connection with the recruitment procedure;
   6) drawing up:
      a) minutes of the Recruitment Commission's meetings;
      b) ranking list of the persons that may be qualified for being entered on the list of doctoral students;
      c) list of the persons admitted to the School having taken into account the limit set by the Rector.

j) The Dean of the School shall establish the recruitment schedule, which is announced on the websites of the WUEB and the School 30 days prior to its start.

§ 3

1. The School shall recruit candidates by way of competition based on the results of the qualification proceedings. The conditions of the recruitment procedure shall be open.
2. The candidate shall be qualified on the basis of the number of points obtained as a result of:
   1) conversion to points of the candidate's grade (W), corresponding to the result of completing long-cycle or second-cycle studies shown on the degree certificate, according to the formula: $P = (6\ W - 18) \times 5/3$; it applies to a 2-5 grading scale, where 5.00 is the highest grade and 2.00 is the lowest one.

   In the case where the candidate has obtained the degree certificate abroad, the Recruitment Commission shall convert the points by transforming the other grading scale to the 2-5 scale,

according to the following rules:

- in the case of a scale of grades in ascending order, the grade point average from the other scale is converted to the 2-5 sale, according to the following dependency:

$$W = \frac{3(x-a)}{b-a} + 2$$

where: b – maximum grade in the other scale,
a – minimum grade in the other scale,
x – grade point average from the other scale – subject to conversion,
W – equivalent of grade x in the 2-5 grading scale.

- in the case of a scale of grades in descending order (i.e. the minimum grade is the best one), the grade point average from the other scale is converted to the 2-5 sale, according to the following dependency:

$$W = \frac{3(b-x)}{b-a} + 2$$

where: b – maximum grade in the other scale (the worst one in this case),
a – minimum grade in the other scale (the best one in this case),
x – grade point average from the other scale – subject to conversion *(the worst one in this case)*,
W – equivalent of grade x in the 2-5 grading scale.

2) taking into consideration the documentation that demonstrates the candidate's predispositions to research work, evaluated using a 0-20 scale (awards for the outstanding master's degree thesis and participation in conferences, research projects, international scientific traineeships, etc.);
3) interview, evaluated using a scale from 0 to 20 points, during which the candidate is expected to demonstrate their knowledge of the selected discipline of science, specify the reasons for undertaking research work and present their own scientific interests;
4) evaluating the draft individual research plan, using a scale from 0 to 20 points;
5) evaluating scientific achievements in the form of publications, using a scale from 0 to 20 points, where 20 points are given for satisfying the publication condition for starting the procedure for conferring a doctoral degree, in accordance with the provisions of the Act.

3. The maximum total number of points that may be obtained during the process of recruitment is 100.
4. The number of points being the basis for admission to the School shall be determined by the Commission, but this number may not be lower than 60.

§ 4

1. For the purpose of qualification proceedings, referred to in Para. 3, the candidate shall submit the following documents:
   1) application (questionnaire) for admission to the School,
   2) personal data form,
   3) copy of the degree certificate confirming the award of a master's degree (professional title) or

an equivalent title,
4) documents confirming the knowledge of a modern foreign language at B2 level at a minimum, including a certificate or diploma confirming graduation (including a supplement).
5) one photo for a student card,
6) list of publications and documents confirming research achievements made so far, including conference presentations,
7) additional documents confirming the candidate's predispositions to research work, e.g. certificates of completing research traineeship,
8) draft Individual Research Plan, including, without limitation, a research problem, research objectives, research hypotheses/questions, research methods, framework schedule of research, literature review for the subject of research, possibilities of commercializing research,
9) opinion and consent of a candidate for the supervisor.

2. A candidate who has obtained a degree certificate confirming the completion of master degree studies abroad shall submit:
   1) original of the degree certificate confirming the award of a master's degree (professional title) or an equivalent title, legalized or authenticated by an apostille.
   2) supplement for the degree certificate,
   3) sworn translation of the degree certificate and its supplement to the Polish language,
   4) confirmation that the degree certificate authorizes its holder to start education at the School in the country of issue. The confirmation is not required if such information is placed on the degree certificate or its supplement. In the case such information is missing, the Recruitment Commission may ask the candidate to provide a document showing that the submitted degree certificate, confirming the award of a bachelor's or master's degree, authorizes its holder to continue education, issued by the Polish National Agency for Academic Exchange (NAWA).
   5) document supporting the recognition of the degree certificate or a certificate of exemption from the recognition proceedings, if required.

§ 5

1. The admission to the School shall take place by way of entry on the list of doctoral students.
2. The information about placement on the list of doctoral students of the School and the decision on refusing admission to the School shall be delivered to the candidate in accordance with general rules. In addition, the Recruitment Commission shall publish the list of persons placed on the list of doctoral students on the website of the School and shall pass the list to the Rector.
3. The decision on refusing the admission of a candidate to the School shall be signed by the chairperson of the Recruitment Commission or vice-chairperson of the Recruitment Commission authorised by the chairperson. The justification for such decision shall be agreed by the Recruitment Commission and recorded in the minutes of its session.
4. The candidate may appeal against the decision on refusing admission to the School within 14 days as of the day of its delivery.

§ 6

In the case where the number of persons applying for admission to the School and satisfying the conditions specified in Para. 3.4 is higher than the limit of places set by the Rector, the persons who have obtained the highest number of points during their qualification proceedings shall be admitted to the School, until the admission limit has been reached.

§ 7

The way of carrying out the procedure of recruitment to the School shall take account of the needs of persons with disabilities.

§ 8

The rules and procedure for recruitment to the Doctoral School shall be published on the websites of the School and the WUEB.

§ 9

The resolution will come into effect on the day of its adoption.

Rector

Prof. Andrzej Kaleta, PhD, Habil.

Uniwersytet Ekonomiczny
we Wrocławiu

SENATE

RESOLUTION NO. R.0000.76.2020

adopted by the SENATE of the WROCLAW UNIVERSITY OF ECONOMICS AND BUSINESS

on 28 May 2020

regarding

amendments to Resolution No. R.0000.38.2020, adopted by the Senate of the Wroclaw University of Economics and Business on 23 March 2020, regarding the establishment of the rules of recruitment to the Doctoral School of the Wroclaw University of Economics and Business for the first year of education in the academic year 2020/2021

§ 1

In Para. 2 of Resolution No. R.0000.38.2020, adopted by the Senate of the Wroclaw University of Economics and Business on 23 March 2020, letter "k" shall be added with the following wording "it shall be permissible to carry out an interview online, in accordance with the schedule of recruitment".

§ 2

In Para. 4 of Resolution No. R.0000.38.2020, adopted by the Senate of the Wroclaw University of Economics and Business on 23 March 2020, item 3 shall be added, with the following wording "The persons who have been qualified shall deliver the required documents in person or through a third party (on the basis of an authorization letter), by mail or courier. The date set in the recruitment schedule shall mean the date when the documents are delivered to the Recruitment Commission and not the date of sending them. Submitting the documents within the set time limit shall be tantamount to being invited for an interview (also online)".

§ 3

The resolution shall come into effect on the day of its adoption and shall be applicable to the rules of recruitment to the Doctoral School of the Wroclaw University of Economics and Business for the first year of education as of the academic year 2020/2021.

Rector

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Uniwersytet Ekonomiczny
we Wrocławiu

SENATE

RESOLUTION NO. NR R.0000.112.2020

adopted by the SENATE of the WROCLAW UNIVERSITY OF ECONOMICS AND BUSINESS

on 9 July 2020

regarding

approval of an amendment to Resolution No. R.0000.38.2020 adopted by the Senate of the Wroclaw University of Economics and Business on 23 March 2020, regarding the establishment of the rules of recruitment to the Doctoral School of the Wroclaw University of Economics and Business for the first year of education in the academic year 2020/2021

§ 1

In Resolution No. R.0000.38.2020, adopted by the Senate of the Wroclaw University of Economics and Business on 23 March 2020, the following amendments shall be made:

Para. 4.1.4. shall have the following wording:

4. documents confirming the knowledge of a modern foreign language at B2 level at a minimum, including a certificate or diploma (including a supplement) confirming graduation. In the case of a language other than English, the candidate shall submit in addition a document confirming their knowledge of the English language at B2 level at a minimum".

§ 2

The resolution shall come into effect on the day of its adoption and shall be applicable to the rules of recruitment to the Doctoral School of the Wroclaw University of Economics and Business for the first year of education as of the academic year 2020/2021.

Rector

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SENATE

RESOLUTION NO. R.0000.4.2021

adopted by the SENATE of the WROCLAW UNIVERSITY OF ECONOMICS AND BUSINESS

on 21 January 2021

regarding

the establishment of the rules of recruitment to the Doctoral School of the Wroclaw University of Economics and Business for the first year of education in the academic year 2021/2022

Acting pursuant to Art. 200.2 of the Act of 20 July 2018, Law on Higher Education and Science (Dz. U. /Journal of Laws/ 2020, item 85, as amended), hereinafter referred to as the Act, the Senate resolves as follows:

§ 1

1. Education at the Doctoral School shall last eight semesters and shall end with the submission of a doctoral dissertation.
2. The Doctoral School shall provide education in the fields:
   1) social sciences in the disciplines: Economics and Finance, Management and Quality Science,
   2) agricultural sciences in the discipline: Food and Nutrition Technology.
3. The basis for education at the Doctoral School shall be formed by the curriculum and the Individual Research Plan (IRP).
4. A person holding a professional master degree or an equivalent thereof, or a person referred to in Art. 186.2 of the Act may apply for admission to the Doctoral School of the Wroclaw University of Economics and Business (hereinafter the School).
5. Having sought the opinion of the Dean of the School, the Rector shall set the limit of admissions to the School for a given academic year.

§ 2

1. The recruitment to the School shall be carried out by the Recruitment Commission appointed by the Rector, hereinafter referred to as the Commission. The Commission shall be appointed 14 days before the start of recruitment at the latest.
2. In evaluating candidates to the School the member of the Commission shall be impartial and objective.

3. The member of the Commission shall inform its other members of any circumstances that could affect their impartiality and objectivity in evaluating the candidates to the School. The Commission may decide to exclude its member from the procedure of evaluating a given candidate if this member's participation could raise reasonable doubts.
4. The member of the Commission shall be excluded from evaluating the candidate by operation of law in the case where this member:
   1) is planning to assume the duty of the candidate's supervisor or assistant supervisor;
   2) was the supervisor of the candidate's master thesis;
   3) is the candidate's superior or is in another employment relationship with the candidate;
   4) is or was the candidate's spouse or is the candidate's relative or second degree kin or is or was in cohabitation with the candidate;
   5) is or was related to the candidate by adoption, custody or guardianship;
   6) took part in the disciplinary proceedings in which the candidate to the School or a candidate for their supervisor were alleged offenders;
   7) there occur other objective circumstances that could raise reasonable doubts regarding impartiality and objectiveness in evaluating the candidate.
5. The member of the Commission excluded from evaluating the candidate shall not take part in the candidate's evaluation and shall leave the Commission's meeting room for the duration thereof.
6. The exclusion of the member of the Commission from evaluating the given candidate shall be recorded in the minutes of the Commission's meeting.
7. Resolutions of the Commission shall be adopted by simple majority vote, provided at least one half of its members are present. In the case of a tie, the Chairperson shall have a casting vote.
8. The minutes of the Commission's meetings shall be taken and signed by the Chairperson and the Commission members attending the session.
9. Tasks of the Commission shall include, without limitation:
   1) notifying candidates of the date and place of interviews; the notification should also be placed on the website of the School at least seven days before the date set for the interview;
   2) carrying out the qualification proceedings;
   3) admitting candidates to the School by way of entering them on the list of doctoral students;
   4) taking administrative decisions on a refusal of admission to the School, including the justification thereof;
   5) considering appeals and evaluating complaints lodged by the candidates in connection with the recruitment procedure;
   6) drawing up:
      a) minutes of the Recruitment Commission's meetings;
      b) ranking list of the persons that may be qualified for being entered on the list of doctoral students;
      c) list of the persons admitted to the School having taken into account the limit set by the Rector.
10. The Dean of the School shall establish the recruitment schedule, published on the websites of the WUEB and the School 30 days prior to the start of recruitment.

11. In special cases, it shall be permissible to carry out an interview online, in accordance with the schedule of recruitment.
12. The interview shall be conducted in the Polish or English language.

§ 3

1. The School shall recruit candidates by way of competition based on the results of the qualification proceedings. The conditions of the recruitment procedure shall be open.
2. The qualification proceedings shall consist of three stages.
3. The first stage of recruitment to the School shall consist in evaluating a draft Individual Research Plan (IRP) submitted by a candidate.
   For the evaluation of the draft the following shall be taken into account:
   1) objective of research and innovativeness, originality of the draft (0-5 pts.);
   2) methodology and *metodyka*[1] appropriate for achieving the objective, consistency of argumentation, clarity of reasoning (0-5 pts.);
   3) state of the art in research and bibliography relevant for achieving the objective of research (0-10 pts.).
4. The Individual Research Plan shall be evaluated independently by two Commission members representing the discipline in which the candidate intends to prepare their doctoral dissertation and each of the Commission members shall evaluate the IRP according to the scale described in item 3, and the final evaluation of the IRP shall be the average of points given by both Commission members. The IRP has to obtain ten points at a minimum for the candidate to be qualified for the second stage of recruitment. In the case where the member of the Commission has been designated as a prospective dissertation supervisor, the evaluation of the IRP shall be made by only one member of the Commission.
5. The evaluation of the IRP (the number of awarded points) shall be taken into account by the Recruitment Commission when the general score for the candidate is determined and it shall be compliant with the rules of recruitment described in Para. 3.3. In the case of significant discrepancies between the individual evaluations made by the Commission members representing the discipline, the final evaluation of the IRP shall be made by the Commission during its session.
6. During the second stage, the Recruitment Commission shall evaluate the remaining recruitment criteria.
7. The candidate who has obtained a minimum of 40 points during the second stage, for stages I and II or for stage II, shall be eligible for the third stage – an interview. The third stage shall consist in conducting the interview by the Recruitment Commission.
8. The candidate shall be qualified on the basis of the number of points obtained as a result of:
   1) conversion to points of the candidate's grade (W), corresponding to the result of completing long-cycle or second-cycle studies shown on the degree certificate, according to the formula: P = (W-3)*10; it applies to a 2-5 grading scale, where 5.00 is the highest grade and 2.00 is the lowest one.

   In the case where the candidate has obtained the degree certificate abroad, the Recruitment Commission shall convert the points by transforming the other grading scale to the 2-5 scale, according to the following rules:

[1] standardised approach making use of a set of methods; general rules of operation

- in the case of a scale of grades in ascending order, the grade point average from the other scale is converted to the 2-5 sale, according to the following dependency:

$$W = \frac{3(x - a)}{b - a} + 2$$

where: b – maximum grade in the other scale,
a – minimum grade in the other scale,
x – grade point average from the other scale – subject to conversion,
W – equivalent of grade x in the 2-5 grading scale.

- in the case of a scale of grades in descending order (i.e. the minimum grade is the best one), the grade point average from the other scale is converted to the 2-5 sale, according to the following dependency:

$$W = \frac{3(b - x)}{b - a} + 2$$

where: b – maximum grade in the other scale (the worst one in this case),
a – minimum grade in the other scale (the best one in this case),
x – grade point average from the other scale – subject to conversion *(the worst one in this case)*,
W – equivalent of grade x in the 2-5 grading scale.

2) evaluation of the documentation confirming scientific, social and organizational activities, using a 0-10 scale (not more than 10 points in total). Each type of activity and its duration should be confirmed properly (copy and original available for inspection).

For each documented participation in scientific conferences over the last five years (up to three selected ones), including:
- participation in the international scientific conference: presentation of a research paper/poster – 2 pts.,
- participation in the national scientific conference: presentation of a research paper/poster – 2 pts,
- participation in the sectoral conference: presentation of a research paper/poster – 2 pts.,
- participation in the conference of students/doctoral students with a research paper/poster – 1 pt.

Not more than 5 points in total.
For each documented social and organizational activity (not more than 5 points in total), 1 pt. shall be awarded for each year of such activity. The social and organizational activity shall be understood as, for example, activity (for at least one year) in a scientific club and student organizations, taking part in the

organization of conferences and training sessions (except for the ones organized as part of the activity of a scientific club/student organizations), activity in the University Council of the Student Self-Government or in the collective bodies of the Faculty/University, voluntary service, activity for the benefit of the local community, or blood donation.
Not more than 5 points in total.
The Commission may award points for activities other than the ones listed above, however, not more than five points in total.
For this criterion the candidate may obtain not more than 10 points in total.

3) interview evaluated using a 0-30 points scale, taking the following into account:
   a) competencies and predispositions to conduct research and ability to make substantive statements, communicate and formulate logical utterances, including the candidate's preparation in terms of *metodyka* relevant for conducting research in the given discipline (0-10 pts.);
   b) candidate's motivation to start their education at the School (0-10 pts.);
   c) candidate's knowledge of the discipline in which the candidate intends to prepare their doctoral dissertation, familiarity with the literature, knowledge of scientific environments and centres, both the domestic and foreign ones, correct usage of scientific categories and ability to use argumentation in the discipline covering the themes selected by the candidate, and also ability to distinguish between *metodyka* and methodology of research (0-10 pts.).
4) evaluation of the draft Individual Research Plan (IRP), using a scale from 0 to 20 points, in accordance with the criteria referred to in Para. 3.3;
5) evaluation of academic achievements in the form of publications for the last five years, using a scale from 0 to 20 points, limited to a maximum of five selected papers (out of which up to 50% of points may be awarded for the papers published in disciplines other than the discipline in which the candidate intends to prepare their doctoral dissertation), not more than 20 points in total. The candidate's publishing activity, supported by scans, shall be evaluated as follows:
   a) no achievements in the form of publications – 0 pts.;
   b) publication of a paper in the journal not listed by the minister in charge of science and higher education – 1 pt.;
   c) abstract, poster, conference of scientific clubs/doctoral students – 2 pts.;
   d) chapter in the monograph in the Polish or English language (only the publishing houses listed by the minister in charge of science and higher education, level I) – 5 pts.;
   e) authored or co-authored monograph in the Polish or English language (only the publishing houses from the relevant list, level I) or publication in the journal listed by the minister in charge of science and higher education (20, 40 pts.) – 10 pts.;
   f) authored or co-authored monograph in the English language (only the publishing houses listed by the minister in charge of science and higher education, level II) or publication in the English language in the journal listed by the minister in charge of science and higher education (70, 100 pts.) – 15 pts.;
   g) publication in the English language in the journal listed by the minister in charge of science and higher education (140-200 pts.) – 20 pts;
   h) papers published in scientific journals by the end of 2018 – taken into account in the current List of journals of the minister in charge of science and higher education – points to be

determined according to the rules set out in item 5d-g.

i) practical/implementation achievements (only the candidates taking part in the Minister's "Industrial Doctorate" programme) – not more than 10 pts.

3. The maximum total number of points that may be obtained during the process of recruitment is 100.
4. The number of points being the basis for admission to the School shall be determined by the Commission, but this number may not be lower than 50. The Commission shall draw up the ranking list of the candidates who have obtained the minimum required number of points and shall announce the list of the persons admitted in accordance with the limit of admissions set by the Rector.

§ 4

1. For the purpose of qualification proceedings, referred to in Para. 3, the candidate shall submit the following documents:
   1) application (questionnaire) for admission to the School,
   2) personal data form,
   3) copy of the degree certificate confirming the award of a master's degree (professional title) or an equivalent title,
   4) documents confirming the knowledge of a modern foreign language at B2 level at a minimum, including a certificate or diploma (including a supplement) confirming graduation. In the case of a language other than English, the candidate shall submit in addition a document confirming their knowledge of the English language at B2 level at a minimum,
   5) one photo for a student ID,
   6) list of publications and documents confirming research achievements made so far, including conference presentations,
   7) additional documents confirming the candidate's predispositions to research work, e.g. certificates of completing research traineeship,
   8) draft Individual Research Plan, including, without limitation, a research problem, research objectives, research hypotheses/questions, research methods, framework schedule of research, literature review for the subject of research, possibilities of commercializing research (formula),
   9) opinion and consent of a candidate for the supervisor.
2. A candidate who has obtained a degree certificate confirming the completion of master degree studies abroad shall submit:
   1) original of the degree certificate confirming the award of a master's degree (professional title) or an equivalent title, legalized or authenticated by an apostille,
   2) supplement for the degree certificate,
   3) sworn translation of the degree certificate and its supplement to the Polish language,
   4) confirmation that the degree certificate authorizes its holder to start education at the School in the country of issue. The confirmation is not required if such information is placed on the degree certificate or its supplement. In the case such information is missing, the Recruitment Commission may ask the candidate to provide a document showing that the submitted degree certificate, confirming the award of a bachelor's or master's degree, authorizes its holder to continue education, issued by the Polish National Agency for Academic Exchange (NAWA)
   5) document supporting the recognition of the degree certificate or a certificate of exemption from

the recognition proceedings, if required.

3. The persons who have been qualified shall deliver the required documents in person or through a third party (on the basis of an authorization letter), by mail or courier. The date set in the recruitment schedule shall mean the date when the documents are delivered to the Recruitment Commission and not the date of sending them.

§ 5

1. The admission to the School shall take place by way of entry on the list of doctoral students.
2. The information about placement on the list of doctoral students of the School and the decision on refusing admission to the School shall be delivered to the candidate in accordance with general rules. In addition, the Recruitment Commission shall publish the list of persons placed on the list of doctoral students on the website of the School and shall pass the list to the Rector.
3. The decision on refusing the admission of a candidate to the School shall be signed by the chairperson of the Recruitment Commission or vice-chairperson of the Recruitment Commission authorised by the chairperson. The justification for such decision shall be agreed by the Recruitment Commission and recorded in the minutes of its session.
4. The candidate may appeal against the decision on refusing admission to the School within 14 days as of the day of its delivery.

§ 6

In the case where the number of persons applying for admission to the School and satisfying the conditions specified in Para. 3.4 is higher than the limit of places set by the Rector, the persons who have obtained the highest number of points during their qualification proceedings shall be admitted to the School, until the admission limit has been reached.

§ 7

The way of carrying out the procedure of recruitment to the School shall take account of the needs of persons with disabilities.

§ 8

The rules and procedure for recruitment to the Doctoral School shall be published on the websites of the School and the WUEB.

§ 9

The resolution will come into effect on the day of its adoption.

Rector

Prof. Andrzej Kaleta, PhD, Habil.

Uniwersytet Ekonomiczny
we Wrocławiu

SENATE

Attachment to Senate's Resolution no. R.0000.4.221 of 21 January 2021

DRAFT INDIVIDUAL RESEARCH PLAN OF A DOCTORAL CANDIDATE TO THE DOCTORAL SCHOOL OF THE WROCLAW UNIVERSITY OF ECONOMICS AND BUSINESS

Received by the Recruitment Commission of the Doctoral School of the WUEB .....
date and signature

The candidate, in consultation with their supervisor or supervisors, shall prepare a draft individual research plan, including, without limitation, a schedule for preparing a doctoral dissertation.

The document should be filled in electronically and its printout should be delivered to the seat of the Recruitment Commission by the date set in the recruitment schedule.

PERSONAL DATA

Doctoral student	
First name(s)	
Surname	
Address data (correspondence address, e-mail, phone no.)	
Student ID no.	

Academic degree/title	
Field/discipline	
Planned deadline for submitting the doctoral dissertation	

Supervisor	
First name	
Surname	
Academic degree/title	
Faculty/unit	
Field/discipline	

RESEARCH PLAN

A. DOCTORAL DISSERTATION STRUCTURE/DESIGN

Doctoral dissertation title	
Key words	

Doctoral dissertation type (dissertation may be in the form of academic writing, including a scientific monograph, set of published and thematically linked academic papers, project, design, process or implementation or artistic work and also an independent and separate part of a collective work)	

Doctoral dissertation plan

Schedule for preparing a doctoral dissertation	
Semester	**Items of the doctoral dissertation plan**
I	

II	
III	
IV	
V	
VI	
VII	
VIII	

Current state of knowledge in the area covered by the research topic and a research gap (up to 2000 characters)

Research (artistic) problem / objective of research / research hypothesis / research questions (up to 3000 characters)

Employed research methods, ways of completion (up to 3000 characters)

Contribution to the development of science to be made by the expected outcomes (up to 1000 characters)

B. PLANNED RESEARCH AND DEVELOPMENT ACTIVITY (scientific papers, participation in scientific conferences, grants awarded by NCN, NCBiR, NPRH, university, etc.)

No.	Task description	Time to complete (year of education)
1.		
2.		
3.		
4.		
5.		

C. PLANNED ORGANIZATIONAL AND SCIENTIFIC ACTIVITY (organization of conferences, membership of scientific clubs, research traineeships, etc.)

No.	Task description	Time to complete (year of education)
1.		
2.		
3.		

4.		
5.		

D. PLANNED PARTICIPATION IN CONDUCTING CLASSES

No.	Type of planned activity	Time to complete (year of education)
1.		
2.		

Date and signature	
Doctoral student	
Supervisor	

SENATE

RESOLUTION NO. R.0000.69.2021

adopted by the SENATE of the WROCLAW UNIVERSITY OF ECONOMICS AND BUSINESS

on 16 December 2021

regarding

the establishment of the rules of recruitment to the Doctoral School of the Wroclaw University of Economics and Business for the first year of education in the academic year 2022/2023

Acting pursuant to Art. 200.2 of the Act of 20 July 2018, Law on Higher Education and Science (consolidated act: Dz. U. /Journal of Laws/ 2021, item 478, as amended), hereinafter referred to as the Act, the Senate resolves as follows:

§ 1

1. Education at the Doctoral School of the Wroclaw University of Economics and Business (hereinafter the School) shall last eight semesters and shall end with the submission of a doctoral dissertation.
2. The School shall provide education in the fields:
   1) social sciences in the disciplines: Economics and Finance, Management and Quality Science;
   2) agricultural sciences in the discipline: Food and Nutrition Technology.
3. The basis for education at the School shall be formed by the curriculum and the Individual Research Plan (IRP).
4. A person holding a professional master degree or an equivalent thereof, or a person referred to in Art. 186.2 of the Act may apply for admission to the School.
5. Having sought the opinion of the Dean of the School, the Rector shall set the limit of admissions to the School for a given academic year.

§ 2

1. The recruitment to the School shall be carried out by the Recruitment Commission of the Doctoral School of the Wroclaw University of Economics and Business appointed by the Rector, hereinafter referred to as the Commission. The Commission shall be composed of two representatives of each academic discipline taught at the School, the Dean of the School as its Chairperson and the Secretary without a voting right. The Commission shall be appointed 14 days before the start of recruitment at the latest.
2. The Commission shall be able to take valid decisions if at least five of its members (including the Secretary and the Chairperson of the Commission) are present at the meeting, provided that each discipline is represented by at least one person.
3. The Doctoral School Office, including, without limitation, the Secretary of the Commission, shall

provide administrative and organizational services for the Commission.

4. In evaluating candidates to the School the member of the Commission shall be impartial and objective.
5. The member of the Commission shall inform its other members of any circumstances that could affect their impartiality and objectivity in evaluating the candidates to the School. The Commission may decide to exclude its member from the procedure of evaluating a given candidate if this member's participation could raise reasonable doubts.
6. The member of the Commission shall be excluded from evaluating the candidate by operation of law in the case where this member:
   1) is planning to assume the duty of the candidate's supervisor or assistant supervisor;
   2) was the supervisor of the candidate's master thesis;
   3) is the candidate's superior or is in another employment relationship with the candidate;
   4) is or was the candidate's spouse or is the candidate's relative or second degree kin or is or was in cohabitation with the candidate;
   5) is or was related to the candidate by adoption, custody or guardianship;
   6) took part in the disciplinary proceedings in which the candidate to the School or a candidate for their supervisor were alleged offenders;
   7) there occur other objective circumstances that could raise reasonable doubts regarding impartiality and objectiveness in evaluating the candidate.
7. The member of the Commission excluded from evaluating the candidate shall not take part in the candidate's evaluation and shall leave the Commission's meeting room for the duration thereof.
8. The exclusion of the member of the Commission from evaluating the given candidate shall be recorded in the minutes of the Commission's meeting.
9. Resolutions of the Commission shall be adopted by simple majority vote, provided at least one half of its members are present. In the case of a tie, the Chairperson shall have a casting vote.
10. The minutes of the Commission's meetings shall be taken and signed individually by the Chairperson.
11. Tasks of the Commission shall include, without limitation:
    1) notifying candidates of the date and place of interviews; the notification should also be placed on the School's website at least seven days before the date set for the interviews;
    2) carrying out the qualification proceedings;
    3) admitting candidates to the School by way of entering them on the list of doctoral students
    4) taking a decision on discontinuing the recruitment procedure with regard to the candidate; the recruitment procedure shall be discontinued with regard to the candidate at the moment they have not achieved the required number of points enabling them to be qualified for the next stage of recruitment or to be admitted to the Doctoral School;
    5) considering appeals and evaluating complaints lodged by the candidates in connection with the recruitment procedure;
    6) drawing up:
       a) minutes of the Recruitment Commission's meetings;
       b) ranking list of the persons that may be qualified for being entered on the list of doctoral students;
       c) list of the persons admitted to the School having taken into account the limit set by the Rector.

12. The Dean of the School shall establish the recruitment schedule, published on the websites of the WUEB and the School 30 days prior to the start of recruitment.
13. In special cases, it shall be permissible to conduct an interview online, in accordance with the recruitment schedule.
14. The interview shall be conducted in the Polish language or it may be conducted in the English language.
15. In the case where the School admission limit for a given academic year has not been reached, the Chairperson of the Commission may decide on restarting the recruitment for a given academic year.

§ 3

1. The School shall recruit candidates by way of competition based on the results of the qualification proceedings. The conditions of the recruitment procedure shall be open.
2. The qualification proceedings shall consist of three stages.
3. The first stage of recruitment to the School shall consist in evaluating a draft Individual Research Plan (IRP) submitted by a candidate.
   For the evaluation of the draft Individual Research Plan (IRP) the following shall be taken into account:
   1) objective of research and innovativeness, originality of the draft Individual Research Plan (IRP) (0-5 pts.);
   2) methodology and *metodyka*[1] appropriate for achieving the objective, consistency of argumentation, clarity of reasoning (0-5 pts.);
   3) state of the art in research and bibliography relevant for achieving the objective of research (0-10 pts.).
4. The Individual Research Plan shall be evaluated independently by two Commission members representing the discipline in which the candidate intends to prepare their doctoral dissertation and each of the Commission members shall evaluate the IRP according to the scale described in item 3, and the final evaluation of the IRP shall be the average of points given by both Commission members. The IRP has to obtain ten points at a minimum for the candidate to be qualified for the second stage of recruitment. In the case where the member of the Commission has been designated as a prospective dissertation supervisor, the evaluation of the IRP shall be made by only one member of the Commission.
5. The evaluation of the IRP (the number of awarded points) shall be taken into account by the Recruitment Commission when the general score for the candidate is determined and it shall be compliant with the rules of recruitment described in Para. 3.3. In the case of significant discrepancies between the individual evaluations made by the Commission members representing the discipline, the final evaluation of the IRP shall be made by the Commission during its session.
6. During the second stage, the Recruitment Commission shall evaluate the remaining recruitment criteria, referred to in item 8.1), 2) and 5).
7. The candidate who has obtained a minimum of 40 points in the preceding stages shall be eligible for the third stage – an interview. The third stage shall consist in conducting the interview by the

[1] standardised approach making use of a set of methods; general rules of operation

Recruitment Commission.

8. The candidate shall be qualified on the basis of the number of points obtained as a result of:
   1) conversion to points of the candidate's grade (W), corresponding to the result of completing long-cycle or second-cycle studies, shown on the degree certificate, according to the formula: P = (W-3)*10; it applies to a 2-5 grading scale, where 5.00 is the highest grade and 2.00 is the lowest one.

   In the case where the candidate has obtained the degree certificate abroad, the Recruitment Commission shall convert the points by transforming the other grading scale to the 2-5 scale, according to the following rules:

   - in the case of a scale of grades in ascending order, the grade point average from the other scale is converted to the 2-5 sale, according to the following dependency:

$$W = \frac{3(x - a)}{b - a} + 2$$

   where: b – maximum grade in the other scale,
   a – minimum grade in the other scale,
   x – grade point average from the other scale – subject to conversion,
   W – equivalent of grade x in the 2-5 grading scale.

   - in the case of a scale of grades in descending order (i.e. the minimum grade is the best one), the grade point average from the other scale is converted to the 2-5 sale, according to the following dependency:

$$W = \frac{3(b - x)}{b - a} + 2$$

   where: b – maximum grade in the other scale (the worst one in this case),
   a – minimum grade in the other scale (the best one in this case),
   x – grade point average from the other scale – subject to conversion *(the worst one in this case)*,
   W – equivalent of grade x in the 2-5 grading scale.

   2) evaluation of the documentation confirming scientific, social and organizational activities, using a 0-10 scale (not more than 10 points in total). Each type of activity and its duration should be confirmed properly (copy and original available for inspection).

For each documented participation in scientific conferences over the last five years (up to three selected ones), including:

- participation in the international scientific conference: presentation of a research paper/poster – 2 pts.,
- participation in the national scientific conference: presentation of a research paper/poster – 2 pts.,

- participation in the sectoral conference: presentation of a research paper/poster – 2 pts.,
- participation in the conference of students/doctoral students with a research paper/poster – 1 pt.

Not more than 5 points in total.

For each documented social and organizational activity (not more than 5 points in total), 1 pt. shall be awarded for each year of such activity. The social and organizational activity shall be understood as, for example, activity (for at least one year) in a scientific club and student organizations, taking part in the organization of conferences and training sessions (except for the ones organized as part of the activity of a scientific club/student organizations), activity in the University Council of the Student Self-Government or in the collective bodies of the Faculty/University, voluntary service, activity for the benefit of the local community, or blood donation.

Not more than 5 points in total.

The Commission may award points for activities other than the ones listed above, however, not more than five points in total.

For this criterion the candidate may obtain not more than 10 points in total.

3) interview evaluated using a 0-30 points scale, taking the following into account:
   a) competencies and predispositions to conduct research and ability to make substantive statements, communicate and formulate logical utterances, including the candidate's preparation in terms of *metodyka* relevant for conducting research in the given discipline (0-10 pts.)
   b) candidate's motivation to start their education at the School (0-10 pts.);
   c) candidate's knowledge of the discipline in which the candidate intends to prepare their doctoral dissertation, familiarity with the literature, knowledge of scientific environments and centres, both the domestic and foreign ones, correct usage of scientific categories and ability to use argumentation in the discipline covering the themes selected by the candidate, and also ability to distinguish between *metodyka* and methodology of research (0-10 pts.).
4) evaluation of the draft Individual Research Plan (IRP), using a scale from 0 to 20 points, in accordance with the criteria referred to in Para. 3.3;
5) evaluation of academic achievements in the form of publications for the last five years, using a scale from 0 to 20 points, limited to a maximum of five selected papers (out of which up to 50% of points may be awarded for the papers published in the discipline in which the candidate intends to prepare their doctoral dissertation), not more than 20 points in total. The candidate's publishing activity, supported by scans, shall be evaluated as follows:
   a) no achievements in the form of publications – 0 pts.;
   b) publication of a paper in the journal not listed by the minister in charge of science and higher education – 1 pt.;
   c) abstract, poster, conference of scientific clubs/doctoral students – 2 pts.;
   d) chapter in the monograph in the Polish or English language (only the publishing houses listed by the minister in charge of science and higher education, level I) – 5 pts.;
   e) authored or co-authored monograph in the Polish or English language (only the publishing houses from the relevant list, level I) or publication in the journal listed by the minister in charge of science and higher education (20, 40 pts.) – 10 pts.;
   f) authored or co-authored monograph in the English language (only the publishing houses listed by the minister in charge of science and higher education, level II) or publication in

the English language in the journal listed by the minister in charge of science and higher education (70, 100 pts.) – 15 pts.;

g) publication in the English language in the journal listed by the minister in charge of science and higher education (140-200 pts.) – 20 pts.;

h) papers published in scientific journals by the end of 2019 – taken into account in the List of journals of the minister in charge of science and higher education dated 1 December 2021:
   i. list A – 15 pts. awarded;
   ii. list B – 10 pts. awarded;
   iii. list C – 5 pts. awarded.

i) candidates who have received scholarship under the "Industrial Doctorate" programme, shall be awarded the maximum number of points, i.e. 20.

9. The maximum total number of points that may be obtained during the process of recruitment is 100.

10. The number of points being the basis for admission to the School shall be determined by the Commission, but this number may not be lower than 50. The Commission shall draw up the ranking list of the candidates who have obtained the minimum required number of points and shall announce the list of the persons admitted in accordance with the limit of admissions set by the Rector.

§ 4

1. For the purpose of qualification proceedings, referred to in Para. 3, the candidate shall submit the following documents:
   1) application (questionnaire) for admission to the School,
   2) personal data form,
   3) copy of the degree certificate confirming the award of a master's degree (professional title) or an equivalent title,
   4) documents confirming the knowledge of a modern foreign language at B2 level at a minimum, including a certificate or diploma (including a supplement) confirming graduation. In the case of a language other than English, the candidate shall submit in addition a document confirming their knowledge of the English language at B2 level at a minimum,
   5) one photo for a student ID,
   6) list of publications and documents confirming research achievements made so far, including conference presentations,
   7) additional documents confirming the candidate's predispositions to research work, e.g. certificates of completing research traineeship,
   8) draft Individual Research Plan, including, without limitation, a research problem, research objectives, research hypotheses/questions, research methods, framework schedule of research, literature review for the subject of research, possibilities of commercializing research (formula),
   9) opinion and consent of a candidate for the supervisor.
2. A candidate who has obtained a degree certificate confirming the completion of master degree studies abroad shall submit:

1) original of the degree certificate confirming the award of a master's degree (professional title) or an equivalent title, legalized or authenticated by an apostille,
2) supplement for the degree certificate,
3) sworn translation of the degree certificate and its supplement to the Polish language,
4) confirmation that the degree certificate authorizes its holder to start education at the School in the country of issue. The confirmation is not required if such information is placed on the degree certificate or its supplement. In the case such information is missing, the Recruitment Commission may ask the candidate to provide a document showing that the submitted degree certificate, confirming the award of a bachelor's or master's degree, authorizes its holder to continue education, issued by the Polish National Agency for Academic Exchange (NAWA),
5) document supporting the recognition of the degree certificate or a certificate of exemption from the recognition proceedings, if required.

3. In exceptional and justified cases the Commission may ask the candidate to provide additional documents.
4. The persons who have been qualified to start their education at the School shall deliver the required documents in person or through a third party (on the basis of an authorization letter), by mail or courier by the date set in the recruitment schedule. The date set in the recruitment schedule shall mean the date when the documents are delivered to the Recruitment Commission and not the date of sending them.

§ 5

1. The admission to the School shall take place by way of entry on the list of doctoral students.
2. The information about placement on the list of doctoral students of the School and the decision on refusing admission to the School shall be delivered to the candidate in accordance with general rules. In addition, the Recruitment Commission shall publish the list of persons placed on the list of doctoral students on the website of the School and shall pass the list to the Rector.
3. The recruitment procedure shall be discontinued with regard to the candidate at the moment they have not achieved the required number of points enabling them to be qualified for the next stage of recruitment or to be admitted to the Doctoral School.

§ 6

1. In the case where the number of persons applying for admission to the School and satisfying the conditions specified in Para. 3.4 is higher than the limit of places set by the Rector, the persons who have obtained the highest number of points during their qualification proceedings shall be admitted to the School, until the admission limit has been reached.
2. The limit of places set by the Rector shall not apply to the participants of the "Industrial Doctorate" programme.

§ 7

The way of carrying out the procedure of recruitment to the School shall take account of the needs of

persons with disabilities.

§ 8

The rules and procedure for recruitment to the Doctoral School shall be published on the websites of the School and the WUEB.

§ 9

The resolution will come into effect on the day of its adoption.

Rector

Prof. Andrzej Kaleta, PhD, Habil.

Uniwersytet Ekonomiczny
we Wrocławiu

SENATE

Attachment to Senate's Resolution no. R.0000.69.2021 of 16 December 2021

DRAFT INDIVIDUAL RESEARCH PLAN OF A DOCTORAL CANDIDATE TO THE DOCTORAL SCHOOL OF THE WROCLAW UNIVERSITY OF ECONOMICS AND BUSINESS

Received by the Recruitment Commission of the Doctoral School of the WUEB .....
date and signature

The candidate, in consultation with their supervisor or supervisors, shall prepare a draft individual research plan, including, without limitation, a schedule for preparing a doctoral dissertation.

The document should be filled in electronically and its printout should be delivered to the seat of the Recruitment Commission by the date set in the recruitment schedule.

PERSONAL DATA

Candidate	
First name(s)	
Surname	
Address data (correspondence address, e-mail, phone no.)	
Student ID no. (in the case of graduates from the WUEB)	

Uniwersytet Ekonomiczny
we Wrocławiu

SENATE

Academic degree/title	
Field/discipline	
Planned deadline for submitting the doctoral dissertation	

Supervisor	
First name	
Surname	
Academic degree/title	
Faculty/unit	
Field/discipline	

Supervisor	
First name	
Surname	

SENATE

Academic degree/title	
Faculty/unit	
Field/discipline	

RESEARCH PLAN

A. DOCTORAL DISSERTATION STRUCTURE/DESIGN

Doctoral dissertation topic	
Key words	
Doctoral dissertation type (dissertation may be in the form of academic writing, including a scientific monograph, set of published and thematically linked academic papers, project, design, process, implementation or artistic work, and also an independent and separate part of a collective work)	
Doctoral dissertation plan	

SENATE

Schedule for preparing a doctoral dissertation	
Semester	**Items from the doctoral dissertation plan**
I	
II	
III	
IV	
V	
VI	

SENATE

VII	
VIII	

Current state of knowledge in the area covered by the research topic and a research gap (up to 2000 characters)

Research problem / objective of research / research hypothesis / research questions (up to 3000 characters)

SENATE

Proposed research methods, ways of completion (up to 3000 characters)

Contribution to the development of science to be made by the expected outcomes (up to 1000 characters)

B. PLANNED RESEARCH AND DEVELOPMENT ACTIVITY (scientific papers, participation in scientific conferences, grants awarded by NCN, NCBiR, NPRH, university, etc.)

No.	Task description	Time to complete (year of education)
1.		

2.		
3.		
4.		

C. PLANNED ORGANIZATIONAL AND SCIENTIFIC ACTIVITY (organization of conferences, membership of scientific clubs, research traineeships, etc.)

No.	**Task description**	**Time to complete** (year of education)
1.		
2.		
3.		
4.		

D. PLANNED PARTICIPATION IN CONDUCTING CLASSES

No.	**Type of planned activity**	**Time to complete** (year of education)
1.		

SENATE

2.		
3.		
4.		

	Date and signature
Candidate	
Supervisor	
Supervisor	

SENATE

RESOLUTION NO. R.0000.4.2023

adopted by the SENATE of the WROCLAW UNIVERSITY OF ECONOMICS AND BUSINESS

on 19 January 2023

regarding

the establishment of the rules of recruitment to the Doctoral School of the Wroclaw University of Economics and Business for the first year of education in the academic year 2023/2024

Acting pursuant to Art. 200.2 of the Act of 20 July 2018, Law on Higher Education and Science (consolidated act: Dz. U. /Journal of Laws/ 2021, item 478, as amended), hereinafter referred to as the Act, the Senate resolves as follows:

§ 1

1. Education at the Doctoral School of the Wroclaw University of Economics and Business (hereinafter the School) shall last eight semesters and shall end with the submission of a doctoral dissertation.
2. The School shall provide education in the fields:
   1) social sciences in the disciplines: Economics and Finance, Management and Quality Science;
   2) agricultural sciences in the discipline: Food and Nutrition Technology.
3. The basis for education at the School shall be formed by the curriculum and the Individual Research Plan (IRP).
4. A person holding a professional master degree or an equivalent thereof, or a person referred to in Art. 186.2 of the Act may apply for admission to the School.
5. Having sought the opinion of the Dean of the School, the Rector shall set the limit of admissions to the School for a given academic year.

§ 2

1. The recruitment to the School shall be carried out by the Recruitment Commission of the Doctoral School of the Wroclaw University of Economics and Business appointed by the Rector, hereinafter referred to as the Commission.
2. The Commission shall be composed of two representatives of each academic discipline taught at the School, the Dean of the School as its Chairperson and the Secretary without a voting right.
3. The Commission shall be appointed 14 days before the start of recruitment.
4. The Commission shall be able to take valid decisions if at least five of its members (including the Secretary and the Chairperson of the Commission) are present at the meeting.

5. The Doctoral School Office, including, without limitation, the Secretary of the Commission, shall provide administrative and organizational services for the Commission.

§ 3

1. In evaluating candidates to the School the member of the Commission shall be impartial and objective.
2. The member of the Commission shall inform its other members of any circumstances that could affect their impartiality and objectivity in evaluating the candidates to the School. The Commission may decide to exclude its member from the procedure of evaluating a given candidate if this member's participation could raise reasonable doubts.
3. The member of the Commission shall be excluded from evaluating the candidate by operation of law in the case where this member:
   1) is planning to assume the duty of the candidate's supervisor or assistant supervisor;
   2) was the supervisor of the candidate's master thesis;
   3) is the candidate's superior or is in another employment relationship with the candidate;
   4) is or was the candidate's spouse or is the candidate's relative or second degree kin or is or was in cohabitation with the candidate;
   5) is or was related to the candidate by adoption, custody or guardianship;
   6) took part in the disciplinary proceedings in which the candidate to the School or a candidate for their supervisor were alleged offenders;
   7) there occur other objective circumstances that could raise reasonable doubts regarding impartiality and objectiveness in evaluating the candidate.
4. The member of the Commission excluded from evaluating the candidate shall not take part in the candidate's evaluation and shall leave the Commission's meeting room for the duration thereof.
5. The exclusion of the member of the Commission from evaluating the given candidate shall be recorded in the minutes of the Commission's meeting.

§ 4

1. Resolutions of the Commission shall be adopted by simple majority vote, provided at least one half of its members are present. In the case of a tie, the Chairperson shall have a casting vote.
2. The minutes of the Commission's meetings shall be taken and signed individually by the Chairperson.
3. Tasks of the Commission shall include, without limitation:
   1) notifying candidates of the date and place of interviews; the notification should also be placed on the School's website at least seven days before the date set for the interviews;
   2) carrying out the qualification proceedings;
   3) admitting candidates to the School by way of entering them on the list of doctoral students;
   4) taking a decision on discontinuing the recruitment procedure with regard to the candidate; the recruitment procedure shall be discontinued with regard to the candidate at the

moment they have not achieved the required number of points enabling them to be qualified for the next stage of recruitment or to be admitted to the Doctoral School;

5) considering appeals and evaluating complaints lodged by the candidates in connection with the recruitment procedure;
6) drawing up:
   a) minutes of the Recruitment Commission's meetings;
   b) ranking list of the persons that may be qualified for being entered on the list of doctoral students;
   c) list of the persons admitted to the School having taken into account the limit set by the Rector.

§ 5

1. The Dean of the School shall establish the recruitment schedule, published on the websites of the WUEB and the School 30 days prior to the start of recruitment.
2. In special cases, it shall be permissible to conduct an interview online, in accordance with the recruitment schedule.
3. The interview shall be conducted in the Polish language or it may be conducted in the English language.
4. In the case where the School admission limit has not been reached, the Chairperson of the Commission, having obtained the approval of the Rector, may announce a schedule for additional recruitment for a given academic year.

§ 6

1. The School shall recruit candidates by way of competition based on the results of the qualification proceedings. The conditions of the recruitment procedure shall be open.
2. The qualification proceedings shall consist of three stages.
3. In the first stage of recruitment to the School a draft Individual Research Plan (IRP) submitted by a candidate shall be evaluated, in accordance with the rules set in Para. 8, and the points resulting from converting the result obtained by the candidate on their degree certificate, awarded on the completion of long-cycle or second-cycle studies, shall be taken into account, in accordance with the rules set in Para. 7.
4. During the second stage, the Recruitment Commission shall evaluate the remaining recruitment criteria, referred to in Paras 9-10.
5. The third stage shall consist in conducting an interview by the Recruitment Commission, guided by the criteria established in Para. 11.
6. The maximum total number of points that can be obtained in the recruitment process shall be 100, out of which 40 during the first stage, 30 during the second stage and 30 during the third stage.
7. The minimum number of points representing the basis for admission to the School shall be specified by the Commission, however this number may not be lower than 40.
8. The recruitment procedure shall be discontinued with regard to the candidate at the moment

they have not achieved the required number of points enabling them to be qualified for the next stage of recruitment or to be admitted to the Doctoral School.

9. The Commission shall draw up the ranking list of candidates who have obtained the required minimum number of points and shall announce the list of persons admitted in accordance with the admission limit set by the Rector.
10. In the case where the number of persons applying for admission to the School and satisfying the conditions specified in Para. 5.4 is higher than the limit of places set by the Rector, the persons who have obtained the highest number of points during their qualification proceedings shall be admitted to the School, until the admission limit has been reached.
11. The limit of places set by the Rector shall not apply to the participants of the "Industrial Doctorate" programme.

§ 7

1. The number of points referred to in Para. 6.3 (W) for the result of completing long-cycle or second-cycle studies, shown on the degree certificate, shall be determined by converting this result to points according to the formula: P = (W-3)*10; it applies to a 2-5 grading scale, where 5.00 is the highest grade and 2.00 is the lowest one.
2. In the case where the candidate has obtained the degree certificate abroad, the Recruitment Commission shall convert the points by transforming the other grading scale to the 2-5 scale, according to the following rules:
   - in the case of a scale of grades in ascending order, the grade point average from the other scale is converted to the 2-5 sale, according to the following dependency:

$$W = \frac{3(x - a)}{b - a} + 2$$

where: b – maximum grade in the other scale,
a – minimum grade in the other scale,
x –grade point average from the other scale – subject to conversion,
W – equivalent of grade x in the 2-5 grading scale.

   - in the case of a scale of grades in descending order (i.e. the minimum grade is the best one), the grade point average from the other scale is converted to the 2-5 sale, according to the following dependency:

$$W = \frac{3(b - x)}{b - a} + 2$$

where: b – maximum grade in the other scale(the worst one in this case),
a – minimum grade in the other scale (the best one in this case),
x – grade point average from the other scale – subject to conversion *(the worst one in this case)*,

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W – equivalent of grade x in the 2-5 grading scale.

§ 8

1. The evaluation of the draft Individual Research Plan (IRP) shall be made using a scale from 0 to 20 points.
2. For the evaluation of the draft Individual Research Plan (IRP) the following criteria shall be taken into account:
   1) objective of research and innovativeness, originality of the draft Individual Research Plan (IRP) (0-5 pts.);
   2) methodology and *metodyka*[1] appropriate for achieving the objective, consistency of argumentation, clarity of reasoning (0-5 pts.);
   3) state of the art in research and bibliography relevant for achieving the objective of research (0-10 pts.).
3. The Individual Research Plan shall be evaluated independently by two Commission members representing the discipline in which the candidate intends to prepare their doctoral dissertation and each of the Commission members shall evaluate the IRP according to the scale described in item 4 and the criteria established in item 4, and the final evaluation of the IRP shall be the average of points given by both Commission members, however, it shall be ten points at a minimum for the candidate to be qualified for the second stage of recruitment.
4. In the case where the member of the Commission has been designated as a prospective dissertation supervisor, the evaluation of the IRP shall be made by one member of the Commission and another person determined by the Chairperson of the Commission.
5. In the case of significant discrepancies between the individual evaluations made by the Commission members representing the discipline, the final evaluation of the IRP shall be made by the Commission during its session.

§ 9

1. In the second stage the Commission shall take into account:
   a. points resulting from the evaluation of academic achievements in the form of publications, using a scale from 0 to 20 points, according to the rules specified in items 2-4.
   b. points resulting from the evaluation of scientific, social and organizational activity, using a scale from 0 to 10 points, according to the rules set out in Para. 9.
2. The evaluation shall be based on academic achievements in the form of papers published over the last five years and the candidate shall select up to five such papers. The Commission may take into consideration the papers published in the discipline in which the candidate intends to prepare their doctoral dissertation, awarding for such papers 50% of the points mentioned in item 1.a.
3. In the case of co-authored publications the candidate shall submit statements made by all co-authors specifying the candidate's individual contribution to the publication, i.e. specifying the

[1] standardised approach making use of a set of methods; general rules of operation

candidate's participation in preparing the concept and methodology, conducting research, interpreting outputs, etc., and each author's contribution thereto, expressed as a percentage (substantive and percentage contribution). The candidate shall not be obliged to submit the statement referred to in item 2 in the case where the other co-author died, was considered deceased or suffered a permanent injury making it impossible to obtain the required statement or in the case where there occurred other circumstances, supported by documents and confirmed by at least one supervisor, making it impossible to obtain the required statement.

4. The candidate's publishing activity, evidenced by scans, shall be evaluated in the following way:
   a) no achievements in the form of publications – 0 pts.;
   b) publication of a paper in the journal not listed by the minister in charge of science and higher education – 1 pt.;
   c) abstract, poster, conference of scientific clubs/doctoral students – 2 pts.;
   d) chapter in the monograph in the Polish or English language (only the publishing houses listed by the minister in charge of science and higher education, level I) – 5 pts.;
   e) authored or co-authored monograph in the Polish or English language (only the publishing houses from the relevant list, level I) or publication in the journal listed by the minister in charge of science and higher education (20, 40 pts.) – 10 pts.;
   f) authored or co-authored monograph in the English language (only the publishing houses listed by the minister in charge of science and higher education, level II) or publication in the English language in the journal listed by the minister in charge of science and higher education (70, 100 pts.) – 15 pts.;
   g) publication in the English language in the journal listed by the minister in charge of science and higher education (140-200 pts.) – 20 pts.;
   h) papers published in scientific journals by the end of 2019 – taken into account in the List of journals of the minister in charge of science and higher education dated 18 December 2019:
      i. list A – 15 pts. awarded;
      ii. list B – 10 pts. awarded;
      iii. list C – 5 pts. awarded.
5. For the candidates qualified by the minister competent for the "Industrial Doctorate" programme, the Commission may award a maximum number of points, i.e. 20.

§ 10

1. During the second stage, the Commission shall evaluate the documentation confirming the candidate's scientific, social and organizational activity – evaluated using a scale from 0 to 10 and applying the rules set out in items 2-6.
2. For the documented participation in scientific conferences over the last five years (up to three selected conferences) the candidate may obtain not more than 5 pts. in total.
3. For the documented social and organizational activity the candidate may obtain not more than 5 pts. in total.
4. Each type of activity and its duration should be confirmed properly (copy and original available

for inspection).

5. The evaluation of the documented participation in scientific conferences over the last five years (up to three selected conferences) shall be made in accordance with the following rules:
   - participation in the international scientific conference: presentation of a research paper/poster – 2 pts.;
   - participation in the national scientific conference: presentation of a research paper/poster – 2 pts.;
   - participation in the sectoral conference: presentation of a research paper/poster – 2 pts.;
   - participation in the conference of students/doctoral students with a research paper/poster – 1 pt.
6. In the evaluation of the documented social and organizational activity one point (1 pt.) shall be awarded for each year of such activity. The social and organizational activity shall be understood as, for example, activity (for at least one year) in a scientific club and student organizations, taking part in the organization of conferences and training sessions (except for the ones organized as part of the activity of a scientific club/student organizations), activity in the University Council of the Student Self-Government or in the collective bodies of the Faculty/University, voluntary service, activity for the benefit of the local community, or blood donation.
7. The Commission may award points for activities other than the ones listed in item 6, however, not more than five points out of the limit set in item 1.

§ 11

1. The candidate shall be eligible to proceed to the third stage – an interview – having obtained a minimum of 40 points in the preceding stages.
2. The interview shall be evaluated using a scale from 0 to 30 points.
3. The following shall be taken into account in the evaluation of the interview:
   a) competencies and predispositions to conduct research and ability to make substantive statements, communicate and formulate logical utterances, including the candidate's preparation in terms of *metodyka* relevant for conducting research in the given discipline (0-10 pts.);
   b) candidate's motivation to start their education at the School (0-10 pts.);
   c) candidate's knowledge of the discipline in which the candidate intends to prepare their doctoral dissertation, familiarity with the literature, knowledge of scientific environments and centres, both the domestic and foreign ones, correct usage of scientific categories and ability to use argumentation in the discipline covering the themes selected by the candidate, and also ability to distinguish between *metodyka* and methodology of research (0-10 pts.).

§ 12

1. For the purpose of qualification proceedings, referred to in Para. 5, the candidate shall submit

the following documents:

1) application (questionnaire) for admission to the School;
2) personal data form;
3) copy of the degree certificate confirming the award of a master's degree (professional title) or an equivalent title,
4) documents confirming the knowledge of a modern foreign language at B2 level at a minimum, including a certificate or diploma (including a supplement) confirming graduation. In the case of a language other than English, the candidate shall submit in addition a document confirming their knowledge of the English language at B2 level at a minimum;
5) one photo for a student ID;
6) list of publications and documents confirming research achievements made so far, including conference presentations;
7) additional documents confirming the candidate's predispositions to research work, e.g. certificates of completing research traineeship;
8) draft Individual Research Plan (IRP), including, without limitation, a research problem, research objectives, research hypotheses/questions, research methods, framework schedule of research, literature review for the subject of research, possibilities of commercializing research (formula);
9) opinion and consent of a candidate for the supervisor.

2. A candidate who has obtained a degree certificate confirming the completion of master degree studies abroad shall submit:
   1) original of the degree certificate confirming the award of a master's degree (professional title) or an equivalent title, legalized or authenticated by an apostille,
   2) supplement for the degree certificate,
   3) sworn translation of the degree certificate and its supplement to the Polish language,
   4) confirmation that the degree certificate authorizes its holder to start education at the School in the country of issue. The confirmation is not required if such information is placed on the degree certificate or its supplement. In the case such information is missing, the Recruitment Commission may ask the candidate to provide a document showing that the submitted degree certificate, confirming the award of a bachelor's or master's degree, authorizes its holder to continue education, issued by the Polish National Agency for Academic Exchange (NAWA),
   5) document supporting the recognition of the degree certificate or a certificate of exemption from the recognition proceedings, if required.
3. In exceptional and justified cases the Commission may ask the candidate to provide additional documents.
4. The persons who have been qualified to start their education at the School shall deliver the required documents in person or through a third party (on the basis of an authorization letter), by mail or courier by the date set in the recruitment schedule. The date set in the recruitment schedule shall mean the date when the documents are delivered to the Recruitment Commission and not the date of sending them.

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§ 13

1. The admission to the School shall take place by way of entry on the list of doctoral students.
2. The information about placement on the list of doctoral students of the School and the decision on refusing admission to the School shall be delivered to the candidate in accordance with general rules.
3. In addition, the Recruitment Commission shall publish the list of persons placed on the list of doctoral students on the website of the School and shall pass the list to the Rector.

§ 14

The way of carrying out the procedure of recruitment to the School shall take account of the needs of persons with disabilities.

§ 15

The rules and procedure for recruitment to the Doctoral School shall be published on the websites of the School and the WUEB.

§ 16

The resolution will come into effect on the day of its adoption.

Rector

Prof. Andrzej Kaleta, PhD, Habil.

SENATE

Attachment to Senate's Resolution no. R.0000.4.2023 of 19 January 2023

DRAFT INDIVIDUAL RESEARCH PLAN OF A DOCTORAL CANDIDATE

TO THE DOCTORAL SCHOOL OF THE WROCLAW UNIVERSITY OF ECONOMICS AND BUSINESS

Received by the Recruitment Commission of the Doctoral School of the WUEB .....
date and signature

The candidate, in consultation with their supervisor or supervisors, shall prepare a draft individual research plan, including, without limitation, a schedule for preparing a doctoral dissertation.

The document should be filled in electronically and its printout should be delivered to the seat of the Recruitment Commission by the date set in the recruitment schedule.

PERSONAL DATA

Candidate	
First name(s)	
Surname	
Address data (correspondence address, e-mail, phone no.)	

SENATE

Student ID no. (in the case of graduates from the WUEB)	
Academic degree/title	
Field/discipline	
Planned deadline for submitting the doctoral dissertation	

Supervisor	
First name	
Surname	
Academic degree/title	
Faculty/unit	
Field/discipline	

Supervisor	
First name	
Surname	
Academic degree/title	
Faculty/unit	
Field/discipline	

SENATE

RESEARCH PLAN

A. DOCTORAL DISSERTATION STRUCTURE/DESIGN

Doctoral dissertation topic	
Key words	
Doctoral dissertation type (dissertation may be in the form of academic writing, including a scientific monograph, set of published and thematically linked academic papers, project, design, process, implementation or artistic work, and also an independent and separate part of a collective work)	

Doctoral dissertation plan

SENATE

Schedule for preparing a doctoral dissertation	
Semester	**Items of the doctoral dissertation plan**
I	
II	
III	
IV	
V	
VI	
VII	
VIII	

Current state of knowledge in the area covered by the research topic and a research gap (up to 2000 characters)

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Research problem / objective of research / research hypothesis / research questions (up to 3000 characters)

Proposed research methods, ways of completion (up to 3000 characters)

Contribution to the development of science to be made by the expected outcomes (up to 1000 characters)

SENATE

B. PLANNED RESEARCH AND DEVELOPMENT ACTIVITY (scientific papers, participation in scientific conferences, grants awarded by NCN, NCBiR, NPRH, university, etc.)

No.	Task description	Time to complete (year of education)
1.		
2.		
3.		
4.		

C. PLANNED ORGANIZATIONAL AND SCIENTIFIC ACTIVITY (organization of conferences, membership of scientific clubs, research traineeships, etc.)

No.	Task description	Time to complete (year of education)
1.		
2.		
3.		

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4.		

D. PLANNED PARTICIPATION IN CONDUCTING CLASSES

No.	Type of planned activity	Time to complete (year of education)
1.		
2.		
3.		
4.		

Date and signature	
Candidate	
Supervisor	
Supervisor	

SENATE

RESOLUTION NO. R.0000.83.2023

adopted by the SENATE of the WROCLAW UNIVERSITY OF ECONOMICS AND BUSINESS

on 18 December 2023

regarding

the rules of recruitment to the Doctoral School of the Wroclaw University of Economics and Business for the first year of education in the academic year 2024/2025

Acting pursuant to Art. 200.2 of the Act of 20 July 2018, Law on Higher Education and Science (Dz. U. /Journal of Laws/ 2021, item 478, as amended), hereinafter referred to as the Act, the Senate resolves as follows:

§ 1

1. Education at the Doctoral School of the Wroclaw University of Economics and Business (hereinafter the School) shall last eight semesters and shall end with the submission of a doctoral dissertation.
2. The School shall provide education in the fields:
   1) social sciences in the disciplines: Economics and Finance, Management and Quality Science;
   2) agricultural sciences in the discipline: Food and Nutrition Technology.
3. The basis for education at the School shall be formed by the curriculum and the Individual Research Plan (IRP).
4. A person holding a professional master degree or an equivalent thereof, or a person referred to in Art. 186.2 of the Act may apply for admission to the School.
5. Having sought the opinion of the Dean of the School, the Rector shall set the limit of admissions to the School for a given academic year.

§ 2

1. The recruitment to the School shall be carried out by the Recruitment Commission of the Doctoral School of the Wroclaw University of Economics and Business appointed by the Rector, hereinafter referred to as the Commission.
2. The Commission shall be composed of two representatives of each academic discipline taught at the School, the Dean of the School as its Chairperson and the Secretary without a voting right.
3. The Commission shall be appointed 14 days before the start of recruitment at the latest.
4. The Commission shall be able to take valid decisions if at least five of its members (including the Secretary and the Chairperson of the Commission) are present at the meeting.

5. The Doctoral School Office, including, without limitation, the Secretary of the Commission, shall provide administrative and organizational services for the Commission.

§ 3

1. In evaluating candidates to the School the member of the Commission shall be impartial and objective.
2. The member of the Commission shall inform its other members of any circumstances that could affect their impartiality and objectivity in evaluating the candidates to the School. The Commission may decide to exclude its member from the procedure of evaluating a given candidate if this member's participation could raise reasonable doubts.
3. The member of the Commission shall be excluded from evaluating the candidate by operation of law in the case where this member:
   1) is planning to assume the duty of the candidate's supervisor or assistant supervisor;
   2) was the supervisor of the candidate's master thesis;
   3) is the candidate's superior or is in another employment relationship with the candidate;
   4) is or was the candidate's spouse or is the candidate's relative or second degree kin or is or was in cohabitation with the candidate;
   5) is or was related to the candidate by adoption, custody or guardianship;
   6) took part in the disciplinary proceedings in which the candidate to the School or a candidate for their supervisor were alleged offenders;
   7) there occur other objective circumstances that could raise reasonable doubts regarding impartiality and objectiveness in evaluating the candidate.
4. The member of the Commission excluded from evaluating the candidate shall not take part in the candidate's evaluation and shall leave the Commission's meeting room for the duration thereof.
5. The exclusion of the member of the Commission from evaluating the given candidate shall be recorded in the minutes of the Commission's meeting.

§ 4

1. Resolutions of the Commission shall be adopted by simple majority vote, provided at least one half of its members are present. In the case of a tie, the Chairperson shall have a casting vote.
2. The minutes of the Commission's meetings shall be taken and signed individually by the Chairperson.
3. Tasks of the Commission shall include, without limitation:
   1) notifying candidates of the date and place of interviews; the notification should also be placed on the School's website at least seven days before the date set for the interviews;
   2) carrying out the qualification proceedings;
   3) admitting candidates to the School by way of entering them on the list of doctoral students;
   4) taking a decision on discontinuing the recruitment procedure with regard to the candidate; the recruitment procedure shall be discontinued with regard to the candidate at the

moment they have not achieved the required number of points enabling them to be qualified for the next stage of recruitment or to be admitted to the Doctoral School;

5) considering appeals and evaluating complaints lodged by the candidates in connection with the recruitment procedure;
6) drawing up:
   a) minutes of the Recruitment Commission's meetings;
   b) ranking list of the persons that may be qualified for being entered on the list of doctoral students;
   c) list of the persons admitted to the School having taken into account the limit set by the Rector.

§ 5

1. The Dean of the School shall establish the recruitment schedule, published on the websites of the WUEB and the School 30 days prior to the start of recruitment.
2. In special cases, it shall be permissible to conduct an interview online, in accordance with the recruitment schedule.
3. The interview shall be conducted in the Polish language or it may be conducted in the English language.
4. In the case where the School admission limit has not been reached, the Chairperson of the Commission, having obtained the approval of the Rector, may announce a schedule for additional recruitment for a given academic year.

§ 6

1. The School shall recruit candidates by way of competition based on the results of the qualification proceedings. The conditions of the recruitment procedure shall be open.
2. The qualification proceedings shall consist of three stages.
3. In the first stage of recruitment to the School a draft Individual Research Plan (IRP) submitted by a candidate shall be evaluated, in accordance with the rules set in Para. 8, and the points resulting from converting the result obtained by the candidate on their degree certificate, awarded on the completion of long-cycle or second-cycle studies, shall be taken into account, in accordance with the rules set in Para. 7.
4. During the second stage, the Recruitment Commission shall evaluate the remaining recruitment criteria, referred to in Paras 9-10.
5. The third stage shall consist in conducting an interview by the Recruitment Commission, guided by the criteria established in Para. 11.
6. The maximum total number of points that can be obtained in the recruitment process shall be 100, out of which 40 during the first stage, 30 during the second stage and 30 during the third stage.
7. The minimum number of points representing the basis for admission to the School shall be specified by the Commission, however this number may not be lower than 40.
8. The recruitment procedure shall be discontinued with regard to the candidate at the moment

they have not achieved the required number of points enabling them to be qualified for the next stage of recruitment or to be admitted to the Doctoral School.

9. The Commission shall draw up the ranking list of candidates who have obtained the required minimum number of points and shall announce the list of persons admitted in accordance with the admission limit set by the Rector.
10. In the case where the number of persons applying for admission to the School and satisfying the conditions specified in Para. 5.4 is higher than the limit of places set by the Rector, the persons who have obtained the highest number of points during their qualification proceedings shall be admitted to the School, until the admission limit has been reached.
11. The limit of places set by the Rector shall not apply to the participants of the "Industrial Doctorate" programme.

§ 7

1. The number of points referred to in Para. 6.3 (W) for the result of completing long-cycle or second-cycle studies, shown on the degree certificate, shall be determined by converting this result to points according to the formula: P = (W-3)*10; it applies to a 2-5 grading scale, where 5.00 is the highest grade and 2.00 is the lowest one.
2. In the case where the candidate has obtained the degree certificate abroad, the Recruitment Commission shall convert the points by transforming the other grading scale to the 2-5 scale, according to the following rules:
   - in the case of a scale of grades in ascending order, the grade point average from the other scale is converted to the 2-5 sale, according to the following dependency:

$$W = \frac{3(x - a)}{b - a} + 2$$

where: b – maximum grade in the other scale,
a – minimum grade in the other scale,
x –grade point average from the other scale – subject to conversion,
W – equivalent of grade x in the 2-5 grading scale.

   - in the case of a scale of grades in descending order (i.e. the minimum grade is the best one), the grade point average from the other scale is converted to the 2-5 sale, according to the following dependency:

$$W = \frac{3(b - x)}{b - a} + 2$$

where: b – maximum grade in the other scale(the worst one in this case),
a – minimum grade in the other scale (the best one in this case),
x – grade point average from the other scale – subject to conversion *(the worst one in this case)*,

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W – equivalent of grade x in the 2-5 grading scale.

§ 8

1. The evaluation of the draft Individual Research Plan (IRP) shall be made using a scale from 0 to 20 points.
2. For the evaluation of the draft Individual Research Plan (IRP) the following criteria shall be taken into account:
   1) objective of research and innovativeness, originality of the draft Individual Research Plan (IRP) (0-5 pts.);
   2) methodology and *metodyka*[1] appropriate for achieving the objective, consistency of argumentation, clarity of reasoning (0-5 pts.);
   3) state of the art in research and bibliography relevant for achieving the objective of research (0-10 pts.).
3. The Individual Research Plan shall be evaluated independently by two Commission members representing the discipline in which the candidate intends to prepare their doctoral dissertation and each of the Commission members shall evaluate the IRP according to the scale described in item 4 and the criteria established in item 4, and the final evaluation of the IRP shall be the average of points given by both Commission members, however, it shall be ten points at a minimum for the candidate to be qualified for the second stage of recruitment.
4. In the case where the member of the Commission has been designated as a prospective dissertation supervisor, the evaluation of the IRP shall be made by one member of the Commission and another person determined by the Chairperson of the Commission.
5. In the case of significant discrepancies between the individual evaluations made by the Commission members representing the discipline, the final evaluation of the IRP shall be made by the Commission during its session.

§ 9

1. In the second stage the Commission shall take into account:
   a. points resulting from the evaluation of academic achievements in the form of publications, using a scale from 0 to 20 points, according to the rules specified in items 2-4.
   b. points resulting from the evaluation of scientific, social and organizational activity, using a scale from 0 to 10 points, according to the rules set out in Para. 10.
2. The evaluation shall be based on academic achievements in the form of papers published over the last five years and the candidate shall select up to five such papers. The Commission may take into consideration the papers published in the discipline in which the candidate intends to prepare their doctoral dissertation, awarding for such papers 50% of the points mentioned in item 1.a.
3. In the case of co-authored publications the candidate shall submit statements made by all co-authors specifying the candidate's individual contribution to the publication, i.e. specifying the

[1] standardised approach making use of a set of methods; general rules of operation

candidate's participation in preparing the concept and methodology, conducting research, interpreting outputs, etc., and each author's contribution thereto, expressed as a percentage (substantive and percentage contribution). The candidate shall not be obliged to submit the statement referred to in item 2 in the case where the other co-author died, was considered deceased or suffered a permanent injury making it impossible to obtain the required statement or in the case where there occurred other circumstances, supported by documents and confirmed by at least one supervisor, making it impossible to obtain the required statement.

4. The candidate's publishing activity, evidenced by scans, shall be evaluated in the following way:
   1) no achievements in the form of publications – 0 pts.;
   2) publication of a paper in the journal not listed by the minister in charge of science and higher education – 1 pt.;
   3) abstract, poster, conference of scientific clubs/doctoral students – 2 pts.;
   4) chapter in the monograph in the Polish or English language (only the publishing houses listed by the minister in charge of science and higher education, level I) – 5 pts.;
   5) authored or co-authored monograph in the Polish or English language (only the publishing houses from the relevant list, level I) or publication in the journal listed by the minister in charge of science and higher education (20, 40 pts.) – 10 pts.;
   6) authored or co-authored monograph in the English language (only the publishing houses listed by the minister in charge of science and higher education, level II) or publication in the English language in the journal listed by the minister in charge of science and higher education (70, 100 pts.) – 15 pts.;
   7) publication in the English language in the journal listed by the minister in charge of science and higher education (140-200 pts.) – 20 pts.;
   8) papers published in scientific journals by the end of 2019 – taken into account in the List of journals of the minister in charge of science and higher education dated 18 December 2019:
      i. list A – 15 pts. awarded;
      ii. list B – 10 pts. awarded;
      iii. list C – 5 pts. awarded.
5. For the candidates qualified by the minister competent for the "industrial doctorate" programme, the Commission may award a maximum number of points, i.e. 20.

§ 10

1. During the second stage, the Commission shall evaluate the documentation confirming the candidate's scientific, social and organizational activity – evaluated using a scale from 0 to 10 and applying the rules set out in items 2-6.
2. For the documented participation in scientific conferences over the last five years (up to three selected conferences) the candidate may obtain not more than 5 pts. in total.
3. For the documented social and organizational activity the candidate may obtain not more than 5 pts. in total.
4. Each type of activity and its duration should be confirmed properly (copy and original available

for inspection).

5. The evaluation of the documented participation in scientific conferences over the last five years (up to three selected conferences) shall be made in accordance with the following rules:
   - participation in the international scientific conference: presentation of a research paper/poster – 2 pts.;
   - participation in the national scientific conference: presentation of a research paper/poster – 2 pts.;
   - participation in the sectoral conference: presentation of a research paper/poster – 2 pts.;
   - participation in the conference of students/doctoral students with a research paper/poster – 1 pt.
6. In the evaluation of the documented social and organizational activity one point (1 pt.) shall be awarded for each year of such activity. The social and organizational activity shall be understood as, for example, activity (for at least one year) in a scientific club and student organizations, taking part in the organization of conferences and training sessions (except for the ones organized as part of the activity of a scientific club/student organizations), activity in the University Council of the Student Self-Government or in the collective bodies of the Faculty/University, voluntary service, activity for the benefit of the local community, or blood donation.
7. The Commission may award points for activities other than the ones listed in item 6, however, not more than five points out of the limit set in item 1.

§ 11

1. The candidate shall be eligible to proceed to the third stage – an interview – having obtained a minimum of 40 points in the preceding stages.
2. The interview shall be evaluated using a scale from 0 to 30 points.
3. The following shall be taken into account in the evaluation of the interview:
   1) competencies and predispositions to conduct research and ability to make substantive statements, communicate and formulate logical utterances, including the candidate's preparation in terms of *metodyka* relevant for conducting research in the given discipline (0-10 pts.);
   2) candidate's motivation to start their education at the School (0-10 pts.);
   3) candidate's knowledge of the discipline in which the candidate intends to prepare their doctoral dissertation, familiarity with the literature, knowledge of scientific environments and centres, both the domestic and foreign ones, correct usage of scientific categories and ability to use argumentation in the discipline covering the themes and topic selected by the candidate, and also ability to distinguish between *metodyka* and methodology of research (0-10 pts.).

§ 12

1. For the purpose of qualification proceedings, referred to in Para. 5, the candidate shall submit

the following documents:

1) application (questionnaire) for admission to the School;
2) personal data form;
3) copy of the degree certificate confirming the award of a master's degree (professional title) or an equivalent title,
4) documents confirming the knowledge of a modern foreign language at B2 level at a minimum, including a certificate or diploma (including a supplement) confirming graduation. In the case of a language other than English, the candidate shall submit in addition a document confirming their knowledge of the English language at B2 level at a minimum;
5) one photo for a student ID;
6) list of publications and documents confirming research achievements made so far, including conference presentations;
7) additional documents confirming the candidate's predispositions to research work, e.g. certificates of completing research traineeship;
8) certificates or other documents supporting the social and organizational activities,
9) draft Individual Research Plan (IRP), including, without limitation, a research problem, research objectives, research hypotheses/questions, research methods, framework schedule of research, literature review for the subject of research, possibilities of commercializing research (formula);
10) opinion and consent of a candidate for the supervisor.

2. A candidate who has obtained a degree certificate confirming the completion of master degree studies abroad shall submit:
   1) original of the degree certificate confirming the award of a master's degree (professional title) or an equivalent title, legalized or authenticated by an apostille,
   2) supplement for the degree certificate,
   3) sworn translation of the degree certificate and its supplement to the Polish language,
   4) confirmation that the degree certificate authorizes its holder to start education at the School in the country of issue. The confirmation is not required if such information is placed on the degree certificate or its supplement. In the case such information is missing, the Recruitment Commission may ask the candidate to provide a document showing that the submitted degree certificate, confirming the award of a bachelor's or master's degree, authorizes its holder to continue education, issued by the Polish National Agency for Academic Exchange (NAWA),
   5) document supporting the recognition of the degree certificate or a certificate of exemption from the recognition proceedings, if required.
3. In exceptional and justified cases the Commission may ask the candidate to provide additional documents.
4. The persons who have been qualified to start their education at the School shall deliver the required documents in person or through a third party (on the basis of an authorization letter), by mail or courier by the date set in the recruitment schedule. The date set in the recruitment schedule shall mean the date when the documents are delivered to the Recruitment

SENATE

Commission and not the date of sending them.

§ 13

1. The admission to the School shall take place by way of entry on the list of doctoral students.
2. The information about placement on the list of doctoral students of the School and the decision on refusing admission to the School shall be delivered to the candidate in accordance with general rules.
3. In addition, the Recruitment Commission shall publish the list of persons placed on the list of doctoral students on the website of the School and shall pass the list to the Rector.

§ 14

The way of carrying out the procedure of recruitment to the School shall take account of the needs of persons with disabilities.

§ 15

The rules and procedure for recruitment to the Doctoral School shall be published on the websites of the School and the WUEB.

§ 16

The resolution will come into effect on the day of its adoption.

Rector

Prof. Andrzej Kaleta, PhD, Habil.

Uniwersytet Ekonomiczny
we Wrocławiu

SENATE

Attachment to Senate's Resolution no. R.0000.83.2023 of 18 November 2023

DRAFT INDIVIDUAL RESEARCH PLAN OF A DOCTORAL CANDIDATE

TO THE DOCTORAL SCHOOL OF THE WROCLAW UNIVERSITY OF ECONOMICS AND BUSINESS

Received by the Recruitment Commission of the Doctoral School of the WUEB .....
date and signature

The candidate, in consultation with their supervisor or supervisors, shall prepare a draft individual research plan, including, without limitation, a schedule for preparing a doctoral dissertation.

The document should be filled in electronically and its printout should be delivered to the seat of the Recruitment Commission by the date set in the recruitment schedule.

PERSONAL DATA

Candidate	
First name(s)	
Surname	
Address data (correspondence address, e-mail, phone no.)	

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Student ID no. (in the case of graduates from the WUEB)	
Academic degree/title	
Field/discipline	
Planned deadline for submitting the doctoral dissertation	

Supervisor	
First name	
Surname	
Academic degree/title	
Faculty/unit	
Field/discipline	

Supervisor	
First name	
Surname	
Academic degree/title	
Faculty/unit	
Field/discipline	

SENATE

RESEARCH PLAN

A. DOCTORAL DISSERTATION STRUCTURE/DESIGN

Doctoral dissertation topic	
Key words	
Doctoral dissertation type (dissertation may be in the form of academic writing, including a scientific monograph, set of published and thematically linked academic papers, project, design, process or implementation work, and also an independent and separate part of a collective work)	

Doctoral dissertation plan

SENATE

Schedule for preparing a doctoral dissertation	
Semester	**Activities related to the preparation of a doctoral dissertation**
I	
II	
III	
IV	
V	
VI	
VII	
VIII	

Current state of knowledge in the area covered by the research topic and a research gap (up to 2000 characters)

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SENATE

Research problem / objective of research / research hypothesis / research questions (up to 3000 characters)

Proposed research methods, ways of completion (up to 3000 characters)

Contribution to the development of science to be made by the expected outcomes (up to 1000 characters)

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B. PLANNED RESEARCH AND DEVELOPMENT ACTIVITY (scientific papers, participation in scientific conferences, grants awarded by NCN, NCBiR, NPRH, university, etc.)

No.	Task description	Time to complete (year of education)
1.		
2.		
3.		
4.		

C. PLANNED ORGANIZATIONAL AND SCIENTIFIC ACTIVITY (organization of conferences, membership of scientific clubs, research traineeships, etc.)

No.	Task description	Time to complete (year of education)
1.		
2.		
3.		

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4.		

D. PLANNED PARTICIPATION IN CONDUCTING CLASSES

No.	Type of planned activity	Time to complete (year of education)
1.		
2.		
3.		
4.		

Date and signature	
Candidate	
Supervisor	
Supervisor	

Uniwersytet Ekonomiczny
we Wrocławiu

Rector

R-B-SOP.014.1.98.2020

REGULATION NO. 98/2020

of the Rector of the Wroclaw University of Economics and Business
of 10 July 2020

regarding the limit of admissions to the Doctoral School of the Wroclaw University of Economics and Business for education in the academic year 2020/2021

Pursuant to Art. 23.1 and 23.2 of the Act of 20 July 2018, Law on Higher Education and Science (consolidated act: Dz. U. /Journal of Laws/ of 2020, item 85, as amended), in connection with Para. 1.5 of **Resolution No. 38/2020**, adopted by the Senate of the Wroclaw University of Economics and Business on 23 March 2020, regarding the establishment of the rules of recruitment to the Doctoral School of the Wroclaw University of Economics and Business for the first year of education in the academic year 2020/2021(as amended), it is ordered as follows:

§ 1

The limit of admissions to the Doctoral School for the first year of education in the academic year 2020/2021 has been set at **25**.

§ 2

The persons for whom their doctoral scholarship is financed from sources other than the subsidy referred to in Art. 366.2 of the Act of 20 July 2018, Law on Higher Education and Science, may be admitted to the Doctoral School outside the limits set in Para. 1.

§ 3

The consent to exceeding the limits set in Para. 1 shall be given by the Rector upon the Dean's justified request.

§ 4

The Regulation will come into effect on the day it is signed.

Rector

Prof. Andrzej Kaleta, PhD, Habil.

ul. Komandorska 118/120, 53-345 Wrocław
tel. 71 368 01 00 • fax 71 3672778
e-mail:
www.ue.wroc.pl

R-B-SOP.014.1.41.2021

REGULATION NO. 41/2021

of the Rector of the Wroclaw University of Economics and Business

of 21 April 2021

regarding the limit of admissions to the Doctoral School of the Wroclaw University of Economics and Business for the first year of education in the academic year 2021/2022

Pursuant to Art. 23.1 and 23.2 of the Act of 20 July 2018, Law on Higher Education and Science (consolidated act: Dz. U. /Journal of Laws/ of 2020, item 85, as amended), in connection with Para. 1.5 of Resolution no. R.0000.4.2021, adopted by the Senate of the Wroclaw University of Economics and Business on 21 January 2021, regarding the establishment of the rules of recruitment to the Doctoral School of the Wroclaw University of Economics and Business for the first year of education in the academic year 2021/2022 (as amended), it is ordered as follows:

§ 1

The limit of admissions to the Doctoral School for the first year of education in the academic year 2021/2022 has been set at **25**.

§ 2

The persons for whom their doctoral scholarship is financed from sources other than the subsidy referred to in Art. 366.2 of the Act of 20 July 2018, Law on Higher Education and Science, may be admitted to the Doctoral School outside the limits set in Para. 1.

§ 3

The consent to exceeding the limits set in Para. 1 shall be given by the Rector upon the Dean's justified request..

§ 4

The Regulation will come into effect on the day it is signed.

Rector

Prof. Andrzej Kaleta, PhD, Habil.

e-mail: kontakt@ue.wroc.pl

R-B-SOP.021.1.54.2022

REGULATION NO. 54/2022

of the Rector of the Wroclaw University of Economics and Business

of 5 April 2022

regarding the limit of admissions to the Doctoral School of the Wroclaw University of Economics and Business for the first year of education in the academic year 2022/2023

Pursuant to Art. 23.1 and 23.2 of the Act of 20 July 2018, Law on Higher Education and Science (consolidated act: Dz. U. /Journal of Laws/ of 2020, item 85, as amended), in connection with Para. 1.5 of Resolution no. R.0000.69.2021, adopted by the Senate of the Wroclaw University of Economics and Business on 16 December 2021, regarding the establishment of the rules of recruitment to the Doctoral School of the Wroclaw University of Economics and Business for the first year of education in the academic year 2022/2023, it is ordered as follows:

§ 1

The limit of admissions to the Doctoral School for the first year of education in the academic year 2022/2023 has been set at **25**.

§ 2

The persons for whom their doctoral scholarship is financed from sources other than the subsidy referred to in Art. 366.2 of the Act of 20 July 2018, Law on Higher Education and Science, may be admitted to the Doctoral School outside the limits set in Para. 1.

§ 3

The consent to exceeding the limits set in Para. 1 shall be given by the Rector upon the justified request of the Dean of the Doctoral School.

§ 4

The Regulation will come into effect on the day it is signed.

Rector

Prof. Andrzej Kaleta, PhD, Habil.

R-CLO-DOP.021.1.24.2023

REGULATION NO. 24/2023
of the Rector of the Wroclaw University of Economics and Business
of 10 March 2023

regarding the limit of admissions to the Doctoral School
of the Wroclaw University of Economics and Business
for the first year of education in the academic year 2023/2024

§ 1

Pursuant to Art. 23.1 and 23.2 of the Act of 20 July 2018, Law on Higher Education and Science (consolidated act: Dz.U.2022.574 /Journal of Laws/, as amended), in connection with Para. 1.5 of Resolution no. R.0000.4.2023, adopted by the Senate of the Wroclaw University of Economics and Business on 19 January 2023, regarding the establishment of the rules of recruitment to the Doctoral School of the Wroclaw University of Economics and Business for the first year of education in the academic year 2023/2024, it is ordered as follows:

§ 1

The limit of admissions to the Doctoral School for the first year of education in the academic year 2023/2024 has been set at **25**.

§ 2

The persons for whom their doctoral scholarship is financed from sources other than the subsidy referred to in Art. 366.2 of the Act of 20 July 2018, Law on Higher Education and Science, may be admitted to the Doctoral School outside the limits set in Para. 1.

§ 3

The consent to exceeding the limits set in Para. 1 shall be given by the Rector upon the justified request of the Dean of the Doctoral School.

§ 4

The Regulation will come into effect on the day it is signed.

Rector

Prof. Andrzej Kaleta, PhD, Habil.

UNIWERSYTET EKONOMICZNY we Wrocławiu

RECTOR

R-CLO-DOP.021.1.41.2024
REGULATION NO. 41/2024
of the Rector of the Wroclaw University of Economics and Business
of 2 April 2024

regarding the limit of admissions to the Doctoral School of the Wroclaw University of Economics and Business for the first year of education in the academic year 2024/2025

Pursuant to Art. 23.1 and 23.2 of the Act of 20 July 2018, Law on Higher Education and Science (consolidated act: Dz. U. /Journal of Laws/ 2023, item 742, as amended), in connection with Para. 1.5 of Resolution no. R.0000.83.2023, adopted by the Senate of the Wroclaw University of Economics and Business on 18 December 2023, regarding the rules of recruitment to the Doctoral School of the Wroclaw University of Economics and Business for the first year of education in the academic year 2024/2025, it is ordered as follows:

§ 1

The limit of admissions to the Doctoral School for the first year of education in the academic year 2024/2025 has been set at 25.

§ 2

The persons for whom their doctoral scholarship is financed from sources other than the subsidy referred to in Art. 366.2 of the Act of 20 July 2018, Law on Higher Education and Science, may be admitted to the Doctoral School outside the limits set in Para. 1.

§ 3

The consent to exceeding the limits set in Para. 1 shall be given by the Rector upon the Dean's justified request.

§ 4

The Regulation will come into effect on the day it is signed.

Rector
Prof. Andrzej Kaleta, PhD, Habil.

Uniwersytet Ekonomiczny
we Wrocławiu

SENATE

RESOLUTION NO. R.0000.58.2019

adopted by the SENATE of
the WROCLAW UNIVERSITY OF ECONOMICS AND BUSINESS

on 31 May 2019

regarding

the approval of the Regulations for the Doctoral School
of the Wroclaw University of Economics and Business

Acting pursuant to Art. 205 of the Act of 20 July 2018, the Law on Higher Education and Science (Dz. U. /Journal of Laws/ of 2018, item 1668, as amended), in connection with Art. 292 of the Act of 3 July 2018, Provisions implementing the Act – Law on Higher Education and Science (Dz. U. 2018, item 1669), and Regulation no. 24/2019 of the Rector of the Wroclaw University of Economics and Business of 15 April 2019, regarding the establishment of the Doctoral School of the Wroclaw University of Economics and Business, it is resolved as follows:

§ 1

The Regulations for the Doctoral School of the Wroclaw University of Economics and Business, forming attachment to this Resolution, have been hereby established.

§ 2

The Resolution will come into effect on 1 October 2019.

Rector

Prof. Andrzej Kaleta, PhD, Habil.

Uniwersytet Ekonomiczny
we Wrocławiu

SENATE

Attachment No. 1 to Resolution No.R.0000.58.2019 of 31 May 2019.

Regulations for the Doctoral School of the Wroclaw University of Economics and Business

Chapter I
General provisions

§ 1

These Regulations shall define the organization of education at the Doctoral School of the Wroclaw University of Economics and Business.

§ 2

The following terms used in these Regulations shall have the meaning:

1) Act – Act of 20 July 2018 – Law on Higher Education and Science (Dz. U. /Journal of Laws/ 2018, item 1668, as amended);
2) University – Wroclaw University of Economics and Business (WUEB);
3) Statutes – Statutes of the Wroclaw University of Economics and Business;
4) Senate – Senate of the Wroclaw University of Economics and Business;
5) Rector – Rector of the Wroclaw University of Economics and Business;
6) School – Doctoral School of the Wroclaw University of Economics and Business;
7) Discipline Council – Discipline Scientific Council operating at the University;
8) Council – Council of the Doctoral School;
9) Dean – Dean of the Doctoral School;
10) Vice-Dean – Vice-Dean of the Doctoral School;
11) Doctoral Curriculum – curriculum at the Doctoral School;
12) IRP – Individual Research Plan;
13) Coordinator – a person coordinating the curriculum at the School;
14) Self-Government – Self-Government of Doctoral Students of the Wroclaw University of Economics and Business.

§ 3

1. The School shall educate doctoral students and prepare them for obtaining a doctoral degree.
2. The procedure for conferring a doctoral degree is set out in separate regulations.
3. A person holding a (professional title) master's degree or master of science degree, engineer, or an equivalent thereof, or a person referred to in Art. 186.2 of the Act may be admitted to the School.

§ 4

1. There is a Council operating at the School.
2. The Rector shall appoint the Council upon the Dean's request, evaluated by the Vice-Rector for

Research, and shall determine the detailed scope of its operation.

3. The Council shall be composed of:
   1) Dean as the Chairperson;
   2) one representative designated by each of the Scientific Councils of the disciplines taught at the School;
   3) one person designated by the Vice-Rector for Research;
   4) Dean or Vice-Dean of the faculty conducting research in the discipline taught at the School;
   5) one representative of doctoral students, designated by their Self-Government.
4. In justified cases, the Rector may appoint also other persons as members of the Council, setting out the rules for their participation in the work of the Council.
5. The term of office of the Council shall last four years.
6. The Council shall perform evaluation and advisory functions. Its tasks shall include, without limitation, evaluating amendments to the Regulations for the Doctoral School, rules for recruitment of doctoral students and decisions concerning curricula.
7. Resolutions of the Council shall be adopted by simple majority vote. In the case of a tie, the Chairperson shall have a casting vote.

§ 5

1. Doctoral students educated at the School shall be members of the Self-Government of Doctoral Students.
2. The scope of activities of the Self-Government of Doctoral Students shall be defined by its regulations.

Chapter II
Organization of education at the Doctoral School

§ 6

1. The School shall be managed by the Dean.
2. The Coordinator shall exercise substantive supervision over the curriculum within the educational path.
3. The Coordinator may be a lecturer, employed at the position of a Professor or University's Professor in the group of research and teaching staff.
4. Upon the Dean's request, the Rector may appoint a Vice-Dean and shall appoint coordinators for the time till the end of the Rector's term of office.
5. The Dean shall determine the scope of tasks of the Vice-Dean and coordinators.

§ 7

1. Education at the School shall last four years and shall be divided into semesters.
2. An academic year shall consist of two semesters, winter and summer ones. The Rector, by way of a regulation, shall establish the framework structure of an academic year, including the start and end dates of classes.
3. The basis for education at the School shall be formed by the curriculum and the IRP.

4. The curriculum determines the learning outcomes for level 8 qualifications according to the Polish Qualifications Framework, duration of education and way of completing the educational process.
5. A motion to create, change or cancel a curriculum shall be put forward by the Dean or by the Dean on behalf of the Faculty Council relevant for the discipline represented at the School.
6. A change to the curriculum concerning the discipline represented at the School shall be evaluated by the relevant Faculty Council.

§ 8

1. Education at the School shall be based on the curriculum and IRP.
2. The Doctoral Curriculum shall specify, without limitation:
   1) discipline or disciplines which are taught and in which a doctoral dissertation is prepared;
   2) conditions of implementing the curriculum;
   3) mandatory and elective courses, including their assigned ECTS points;
   4) ways of verifying learning outcomes.

Chapter III
Dissertation supervisor

§ 9

1. Academic supervision over the preparation of a doctoral dissertation shall be exercised by a dissertation supervisor or supervisors or by a dissertation supervisor and assistant supervisor, if appointed.
2. A doctoral student shall submit a request to appoint the dissertation supervisor or supervisors, according to the procedure described in separate regulations, specifying the discipline or field in which a doctoral dissertation will be prepared.
3. The Dean shall present the list of dissertation supervisors concurrently with the announcement of recruitment rules and mode.
4. The dissertation supervisor may be a person satisfying the conditions set out in the Act.
5. The dissertation supervisor's tasks shall include, without limitation, academic supervision over the preparation of a doctoral dissertation and the assessment of the doctoral student's academic progress.
6. The dissertation supervisor may supervise not more than two doctoral students of the School in a given edition.
7. The assistant dissertation supervisor may be a person holding a doctoral degree in the discipline concerned or related discipline and having experience of research work who is not authorized to perform independently the function of a dissertation supervisor in the procedure for awarding a doctoral degree.
8. The assistant dissertation supervisor's tasks shall comprise, without limitation, performing auxiliary activities in the process of supervising a doctoral student, in consultation with the dissertation supervisor, including the activities related to planning and conducting research,

and analysing its outcomes.

8. The assistant dissertation supervisor may perform their function for not more than two doctoral students of the School.

§ 10

1. The dissertation supervisor (supervisors) shall be appointed by the Dean, upon the doctoral student's request, not later than two months after the doctoral student started their education at the School.
2. In the case where the dissertation supervisor is not employed with the WUEB, the request shall include the information about research and papers published by the candidate for a dissertation supervisor.
3. The doctoral student shall submit a request for appointing a dissertation supervisor (supervisors) not later than 14 days before the deadline mentioned in item 1. The candidate for a dissertation supervisor shall grant their consent to performing this function as part of the request.
4. The assistant dissertation supervisor shall be appointed by the Dean, upon the dissertation supervisor's request. The candidate for an assistant dissertation supervisor shall grant their consent to performing this function as part of the request.
5. If the doctoral student fails to submit a request to appoint the dissertation supervisor (supervisors) within the time limit specified in item 3, the Dean shall appoint the dissertation supervisor instantly. The doctoral student shall be informed immediately of appointing the dissertation supervisor.
6. Upon the justified request of the dissertation supervisor or doctoral student or acting on their own initiative the Dean may change the dissertation supervisor.
7. Upon the justified request of the dissertation supervisor (supervisors) or assistant dissertation supervisor or doctoral student, the Dean may change or dismiss the assistant dissertation supervisor without designating anyone in their place.

Chapter IV
Midterm assessment method

§ 11

1. The doctoral student, in consultation with the dissertation supervisor (supervisors) and assistant dissertation supervisor, if appointed, shall work out an Individual Research Plan (IRP) containing, without limitation:
   1) schedule for preparing a doctoral dissertation, divided into years and semesters;
   2) deadline for the submission of the doctoral dissertation, by 30 September of the final year of education at the latest;
   3) research problem to be resolved in the doctoral dissertation, justification of the research problem, objectives of the dissertation and research questions or hypotheses;
   4) description of *metodyka*[1] of research, planned to resolve the research problem;

[1] standardised approach making use of a set of methods; general rules of operation

5) bibliography;
6) structure of the doctoral dissertation.

2. Having obtained the opinion of the Council, the Dean shall determine the detailed structure of the IRP, including its component parts.
3. Within a period of twelve months from the start of education, the doctoral student shall submit to the Dean the IRP approved by the dissertation supervisor/supervisors and evaluated by the assistant dissertation supervisor, if appointed.
4. The completion of the IRP shall be subject to midterm assessment.
5. The midterm assessment shall be made by an evaluation commission appointed by the Dean in consultation with the Chairperson of the relevant discipline Council. The doctoral student's dissertation supervisor (supervisors) and assistant dissertation supervisor shall not participate in the work of the commission.
6. The doctoral student shall present a report on implementing the IRP and curriculum 30 days before the planned session of the commission at the latest.
7. During the session of the evaluation commission, the doctoral student shall present the research outcomes. The presentation shall be followed by the discussion with the doctoral student.
8. The result of midterm assessment shall be determined by the commission during the closed part of their session.
9. The result of midterm assessment may be positive or negative and it shall be disclosed to the doctoral student after the session of the commission. The assessment shall be accompanied by its justification.
10. The result of assessment, including its justification, shall be open.
11. A report shall be drawn up on conducting the midterm assessment.
12. The Dean may also arrange a periodical assessment, setting out its procedure and scope.

§ 12

1. An academic year shall be a period subject to assessment.
2. The successful completion of the academic year shall depend on obtaining the learning outcomes, i.e. passing mandatory and elective courses specified in the curriculum.
3. The course syllabuses shall define the conditions and mode of participating in classes, including the way of obtaining a pass and sitting for an exam.
4. The following grading scale, compliant with the European Credit Transfer System (ECTS), shall be established:

Grade	Numerical equivalent	Letter grade
Very good	5.0	A
Good plus	4.5	B
Good	4.0	C
Satisfactory plus	3.5	D

Satisfactory	3.0	E
Unsatisfactory	2.0	F

5. Positive grades, meaning that a course has been passed, include: very good (A), good plus (B), good (C), satisfactory plus (D), and satisfactory (E). A negative grade, meaning that a course has been failed, is an unsatisfactory grade (F).
6. In the case of obtaining an unsatisfactory grade (F) for a given course and then passing this course as a result of taking a resit, the final grade for the course shall be determined as an arithmetic mean of the grades obtained for the course, which may not be lower than a satisfactory grade (E).
7. In the case of failing a course stipulated in the curriculum, the doctoral student shall have a right to one resit. The dates for reassessment for a pass/resit exam shall be determined by the course lecturer in accordance with the schedule for a reassessment/resit session.
8. The course grades shall be entered by the course lecturer to the University Student Service System (USOS), within the time limits set out at the University.

Chapter VI
Extension of the time limit for submitting a doctoral dissertation

§ 13

1. Upon the doctoral student's request, having obtained the dissertation supervisor's opinion, the Dean may consent to extending the time limit for submitting the doctoral dissertation, thus exceeding the time stipulated in the IRP, but for no longer than two years in total, in the case of:
   1) temporary incapability of completing the curriculum or conducting research due to illness;
   2) necessity of taking personal care of a sick family member;
   3) necessity of taking personal care of a child below four years of age or a child with a diagnosed disability;
   4) holding a disability certificate with a recognized degree of disability;
   5) necessity of continuing research for the doctoral dissertation, resulting from justified reasons;
   6) participation in a research grant awarded in the competition organized by a Polish or foreign institution funding research.
2. During the extension period, the doctoral student shall retain all their rights and obligations.

§ 14

1. Upon the doctoral student's request, the Dean may suspend their education at the School for the duration of a maternity, adoption, paternity and parental leave, as stipulated in the Act of 26 June 1974, the Labour Code, releasing also the doctoral student from the obligation to attend classes.

2. The doctoral student shall submit a written request, supported by the relevant documentation, not later than within a period of 14 days as of the occurrence of the circumstances referred to in item 1.
3. Consenting to a suspension from education for a period different from an academic year, the Dean shall set out the conditions for continuing education binding on the doctoral student after a period of suspension, including, without limitation, time limits for fulfilling the obligations stipulated in these Regulations. The Dean shall inform the doctoral student in writing of the conditions for continuing their education.
4. Within the period of seven days as of the end of the suspension period, the doctoral student shall submit their declaration on continuing studies or withdrawing from them. The failure to submit the said declaration shall be the basis for starting the procedure to remove from the list of doctoral students.
5. During the period of suspension, the doctoral student shall be completing neither their curriculum nor IRP, while retaining the doctoral student's rights.

Chapter VII
Removal from the list of doctoral students

§ 15

1. The Dean shall remove a student from the list of doctoral students in the case of:
   1) negative result of a midterm assessment;
   2) failure to submit a doctoral dissertation within the time limit set in the IRP;
   3) withdrawal from studies;
2. The Dean may remove a student from the list of doctoral students in the case of:
   1) unsatisfactory progress in preparing a doctoral dissertation;
   2) failure to observe the Regulations for the School;
   3) lack of or unsatisfactory progress in completing the curriculum or the IRP.
3. The doctoral student shall have a right to appeal against the decision referred to in item 1.
4. The doctoral student shall not have a right to retake a course or semester or to restart education after being removed from the list of doctoral students.
5. The person removed from the list of doctoral students shall be obliged to return immediately any books, materials or other items that are the University's property, including, without limitation, a doctoral student card, and to fulfil all financial obligations to the University.
6. The statement on discontinuance of education shall be filed in a written form with the Doctoral School Office.
7. The status of a doctoral student at the School shall be held by the time of:
   1) completion of education by submitting the doctoral dissertation;
   2) valid removal from the list of doctoral students.

Chapter VIII
Documentation of the course of education

§ 16

1. The course of education at the School shall be recorded in the doctoral student's personal file. Such file may be kept in an electronic form.
2. The doctoral student's personal file shall contain, without limitation:
   1) candidate's application for admission to the School;
   2) text of the oath signed by the doctoral student;
   3) decision on placing on the list of doctoral students of the School;
   4) doctoral student's IRP established in accordance with these Regulations;
   5) report on conducting the midterm assessment of the doctoral student, drawn up in accordance with these Regulations;
   6) statements and reports that the doctoral students is obliged to submit in accordance with these Regulations, accompanied by the dissertation supervisor's (supervisors') opinions;
   7) transcripts of records;
   8) individual decisions taken by the Dean regarding the course of education;
   9) copies of the documents related to the course of the procedure for awarding a doctoral degree.
3. The Dean shall define the detailed rules for documenting the course of education at the Doctoral School.
4. The documentation of the Council's activities shall include, without limitation, minutes of the Council's sessions and the Council's resolutions.
5. The documentation of the Dean's activities shall include, without limitation, reports on the operations of the School and regulations issued by the Dean.
6. The documentation of the course of the procedure for awarding a degree shall be kept by the office of the relevant faculty.

Chapter IX
Doctoral student's rights and obligations

§ 17

1. The person admitted to the School shall start their education and shall acquire a doctoral student's rights after swearing an oath. The wording of the oath shall be established in the Statutes.
2. After the matriculation, the doctoral student shall receive an electronic doctoral student card.
3. The student card, referred to in item 2, entitles the doctoral student to exercise their rights and it shall be returned when the doctoral student has completed their education or in the case of suspension of their rights or removal from the list of doctoral students. The template of a student card has been specified in separate regulations.
4. The doctoral student shall have a right to:
   1) receive tutorial guidance from the dissertation supervisor;

2) change the dissertation supervisor and assistant dissertation supervisor in accordance with the rules stipulated herein;
3) extend the time limit for submitting the doctoral dissertation, in accordance with the rules stipulated herein;
4) receive a doctoral scholarship, in accordance with the rules stipulated in the Act;
5) apply for a financial support provided for in separate regulations;,
6) participate in the classes provided at the University;
7) participate, if eligible and admitted, in programmes abroad, with funding provided, under the programmes implemented by the University;
8) take part in domestic and foreign studies and scientific traineeships;
9) participate in research conducted by departments;
10) apply for accommodation in a student dormitory, according to the rules in place at the University;
11) have holiday breaks that last not more than eight weeks during a year and that should be taken at the time when there are no teaching classes;
12) make use of the libraries and reading rooms available at the University, according to the rules applicable to the academic staff;
13) do internships or traineeships in the form described in the curriculum and in the Individual Research Plan.

§ 18

The doctoral student shall be obliged to:

1) act in compliance with the oath and the Regulations;
2) respect the regulations in place at the University;
3) take care for the reputation of the University;
4) observe the European code of ethics for researchers;
5) notify the School immediately of any change to the surname and residence address and also to any other data required by the University;
6) submit statements and reports on their duties and other achievements as stipulated herein;
7) take part in the organizational activities of the School;
8) submit a medical certificate issued by an occupational health physician on the lack of counter-indications to participating in the programmes that involve exposure to harmful agents;
9) hold an ORCID iD;
10) use an electronic mail address created in the University's domain.

Chapter X
Disabled doctoral students

§ 19

1. For the disabled doctoral students, the University shall ensure, as far as possible, the appropriate conditions for taking part in classes and passing them, taking into account the extent of their disability.
2. The Rector, by way of regulation, shall specify the detailed conditions of adjusting the teaching process to the needs of the disabled.

Chapter XI
Interim and final provisions

§ 20

Decisions on the matters regarding the rules and mode of receiving education at the School that have not been stipulated herein or in other provisions of law shall be taken by the Dean ex officio or upon the doctoral student's request.

§ 21

The Doctoral School Office shall provide administrative services for the School.

§ 22

The Regulations will come into effect as of 1 October 2019.

Uniwersytet Ekonomiczny
we Wrocławiu

SENATE

RESOLUTION NO. R.0000.40.2020

adopted by the SENATE of
the WROCLAW UNIVERSITY OF ECONOMICS AND BUSINESS

on 23 March 2020

regarding

the approval of changes to the Regulations for the Doctoral School of the Wroclaw University of Economics and Business

§ 1

In the Regulations for the Doctoral School of the Wroclaw University of Economics and Business, forming Attachment no. 1 to Resolution No. R.0000.58.2019 of 31 May 2019, the following changes will be adopted:

1. In Para. 2 item 11 will have the following wording:
   11) Curriculum – curriculum at the Doctoral School;
2. In Para. 2 item 12 will have the following wording:
   12) IRP – Individual Research Plan;
3. In Para. 2 item 13 will have the following wording:
   13) Coordinator – a person coordinating the curriculum at the School, within the educational path;
4. In Para. 4 item 1 will have the following wording:
   1. There is a Council operating at the School.
5. In Para. 4.3 item 2 will have the following wording:
   2) one representative of each discipline taught at the School, evaluated by the relevant Faculty Council
6. In Para. 4 item 5 will have the following wording:
   5) The term of office of the Council shall coincide with the term of office of the Rector.
7. In Para. 4 item 7 will have the following wording:
   7) Resolutions of the Council shall be adopted by simple majority vote, provided at least one half of its members are present. In the case of a tie, the Chairperson shall have a casting vote
8. In Para. 4 item 8 will be added with the following wording:
   8. The Council shall pass a resolution on the regulations establishing the mode of its operation.
9. In Para. 5 item 1 will have the following wording:
   1. Doctoral students educated at the School shall be members of the Self-Government of Doctoral Students
10. In Para. 6 item 2 will have the following wording:
    2. The Coordinator shall exercise substantive supervision over the curriculum within the educational path.

SENATE

11. In Para. 7.3 will have the following wording:
    3. The basis for education at the School shall be formed by the curriculum and the IRP.
12. In Para. 7 item 7 will be added with the following wording:
    7. The curriculum shall specify, without limitation:
       1) discipline or disciplines which are taught and in which a doctoral dissertation is prepared;
       2) conditions of implementing the curriculum;
       3) mandatory and elective courses, including their assigned ECTS points;
       4) ways of verifying learning outcomes.
13. Para. 8 will be repealed.
14. In Para. 9 item 3 will have the following wording:
    3. The Dean shall publish the list of dissertation supervisors on the website of the Doctoral School concurrently with the announcement of recruitment rules and mode.
15. In Para. 9 item 4 will have the following wording:
    4. The dissertation supervisor may be a person who holds a title of Professor or postdoctoral degree (habilitation) in the discipline/field in which a doctoral dissertation is prepared or in the related discipline or a person whose qualifications are equivalent to those of a holder of postdoctoral degree (habilitation) and who is involved in research or teaching in the discipline/field in which a doctoral dissertation is prepared or in the related discipline/field, and also a person employed at a foreign higher education or scientific institution who does not satisfy the above-mentioned requirements, provided that the Discipline Scientific Council has recognised this person as an expert in the issues being the focus of the doctoral dissertation.
16. In Para. 10 item 1 will have the following wording:
    1. The dissertation supervisor (supervisors) shall be appointed by the Dean, upon the doctoral student's request, not later than three months after the doctoral student started their education at the School.
17. In Para. 11 item 3 will have the following wording:
    3. Within a period of twelve months from the start of education, the doctoral student shall submit to the Dean the IRP approved by the dissertation supervisor/supervisors and evaluated by the assistant dissertation supervisor, if appointed.
18. In Para. 12 item 1 will have the following wording:
    1. Pursuant to Para. 7.2 hereof, a semester shall be a period subject to assessment.
19. In Para. 12 item 2 will have the following wording:
    2. The successful completion of a semester in a given academic year shall depend on obtaining the learning outcomes, i.e. passing mandatory and elective courses specified in the curriculum.
20. In Para. 12 item 5 will have the following wording:
    5. Positive grades, meaning that a course has been passed, include: very good (A), good plus (B), good (C), satisfactory plus (D), and satisfactory (E). A negative grade, meaning that a course has been failed, is an unsatisfactory grade (F). Some courses, stipulated in the curriculum, may be passed without any grade.
21. In Para. 15.2 item 3 will have the following wording:

3) lack of or unsatisfactory progress in completing the curriculum or the IRP.

22. In Para. 15 item 4 will have the following wording:
    4. The doctoral student shall not have a right to retake a course or semester or to restart education after being removed from the list of doctoral students.
23. In Para. 16 item 2 will have the following wording:
    2. The doctoral student's personal file shall contain, without limitation:
        1) candidate's application for admission to the School;
        2) text of the oath signed by the doctoral student;
        3) decision on placing on the list of doctoral students of the School;
        4) statements made for financial support purposes;
        5) statement on studying in one doctoral school and not being employed as a lecturer or researcher, in accordance with the Act;
        6) statement on holding the ORCID iD;
        7) doctoral student's IRP established in accordance with these Regulations;
        8) report on conducting the midterm assessment of the doctoral student, drawn up in accordance with these Regulations;
        9) statements and reports that the doctoral students is obliged to submit in accordance with these Regulations, accompanied by the dissertation supervisor's (supervisors') opinions;
        10) transcripts of records;
        11) individual decisions taken by the Dean regarding the course of education;
        12) copies of the documents related to the course of the procedure for awarding a doctoral degree.
24. In Para. 18 item 11 will be added with the following wording:
    11) do an internship by conducting classes or taking part in teaching classes for a maximum of 60 teaching hours a year if such internship has been stipulated in the curriculum and IRP;
25. In Para. 18 item 12 will be added with the following wording:
    12) have consultation hours;
26. In Para. 18 item 13 will be added with the following wording:
    13) submit the doctoral dissertation within the time limit set in the IRP.
27. Chapter IXa, entitled Internships, will be added.
28. Para. 18a will be added with the following wording:

§ 18a

    1. The doctoral student shall be obliged to do an internship by conducting classes or taking part in the classes conducted by a lecturer.
    2. The purpose of internship is to prepare the doctoral student to conduct classes at an academic level in the selected areas of the given academic discipline, making use of modern methods and tools.
29. Para. 18b will be added with the following wording:

§ 18b

    1. The internship shall comprise 60 hours per academic year. The internship shall be carried out from the first to the eighth semester for not more than 240 hours in total.

2. The doctoral student's internship shall include:
   1) 36 hours of participation in conducting classes and 24 hours of classes conducted on their own during the first year of education at the School;
   2) 48 hours per year of classes conducted on their own and 12 hours per year of participation in conducting classes during the second, third and fourth year of education at the School.
3. The Dean of the School in consultation with the Dean for Academic Programmes shall decide on the number and type of classes to be conducted. With regard to the doctoral student's participation in the classes conducted by a lecturer, the dissertation supervisor shall decide on the number and type of such classes, list the classes in which the doctoral student has to participate, and pass this information to the Doctoral School Office one week before the start of a semester, except for the first semester when such participation starts immediately after the recruitment has been finished.
4. Should the doctoral student conduct classes on their own for more hours than specified in items 2.1 and 2.2, remuneration will be paid on account of that, pursuant to the agreement concluded with the Wroclaw University of Economics and Business, in accordance with provisions of law applicable to the University.
5. Should the doctoral student defend their doctoral dissertation sooner than after four years of education at the School, the required number of internship hours will be reduced on a pro-rata basis, respecting the proportion of classes conducted by the doctoral student on their own to these conducted by lecturers in which the doctoral student participates.

30. Para. 18c will be added with the following wording:

§ 18c

The doctoral student shall have consultation hours as scheduled at the University.

31. The title of Chapter X will be changed as follows: Doctoral student with disabilities
32. Para. 19 will have the following wording:

§ 19

For the doctoral students with disabilities, the University shall ensure, as far as possible, the appropriate conditions for taking part in classes and passing them, taking into account the extent of their disability.

33. Para. 20 will have the following wording:
    1. The term of office of the Council appointed based on Regulation No. 17/2020 issued by the Rector on 24 January 2020, shall end on 31 August 2020.
    2. The internship for the doctoral students who started their education at the School in the academic year 2019/2020 will be carried out according to the rules already in place.
    3. Decisions on the matters regarding the rules and mode of receiving education at the School that have not been stipulated herein or in other provisions of law shall be taken by the Dean ex officio or upon the doctoral student's request.

§ 2

The consolidated Regulations for the Doctoral School of the Wroclaw University of Economics and Business form the attachment hereto.

Uniwersytet Ekonomiczny
we Wrocławiu

SENATE

§ 3

The Resolution will come into effect on 1 October 2020.

Rector

Prof. Andrzej Kaleta, PhD, Habil.

Uniwersytet Ekonomiczny
we Wrocławiu

SENATE

Attachment No. 1 to Resolution No.R.0000.40.2020 of 23 March 2020.

Regulations for the Doctoral School of the Wroclaw University of Economics and Business

Chapter I
General provisions

§ 1

These Regulations shall define the organization of education at the Doctoral School of the Wroclaw University of Economics and Business.

§ 2

The following terms used in these Regulations shall have the meaning:

1) Act – Act of 20 July 2018 – Law on Higher Education and Science (Dz. U. /Journal of Laws/ 2018, item 1668, as amended);
2) University – Wroclaw University of Economics and Business (WUEB);
3) Statutes – Statutes of the Wroclaw University of Economics and Business;
4) Senate – Senate of the Wroclaw University of Economics and Business;
5) Rector – Rector of the Wroclaw University of Economics and Business;
6) School – Doctoral School of the Wroclaw University of Economics and Business;
7) Discipline Council – Discipline Scientific Council operating at the University;
8) Council – Council of the Doctoral School;
9) Dean – Dean of the Doctoral School;
10) Vice-Dean – Vice-Dean of the Doctoral School;
11) Curriculum – curriculum at the Doctoral School;
12) IRP – Individual Research Plan;
13) Coordinator – a person coordinating the curriculum at the School, within the educational path
14) Self-Government – Self-Government of Doctoral Students of the Wroclaw University of Economics and Business.

§ 3

1. The School shall educate doctoral students and prepare them for obtaining a doctoral degree.
2. The procedure for conferring a doctoral degree is set out in separate regulations.
3. A person holding a (professional title) master's degree or master of science degree, engineer, or an equivalent thereof, or a person referred to in Art. 186.2 of the Act may be admitted to the School.

§ 4

1. There is a Council operating at the School.
2. The Rector shall appoint the Council upon the Dean's request, evaluated by the Vice-Rector for

Research, and shall determine the detailed scope of its operation.

3. The Council shall be composed of:
   1) Dean as the Chairperson;
   2) one representative of each discipline taught at the School, evaluated by the relevant Faculty Council;
   3) one person designated by the Vice-Rector for Research;
   4) Dean or Vice-Dean of the faculty conducting research in the discipline taught at the School;
   5) one representative of doctoral students, designated by their Self-Government.
4. In justified cases, the Rector may appoint also other persons as members of the Council, setting out the rules for their participation in the work of the Council.
5. The term of office of the Council shall coincide with the term of office of the Rector.
6. The Council shall perform evaluation and advisory functions. Its tasks shall include, without limitation, evaluating amendments to the Regulations for the Doctoral School, rules for recruitment of doctoral students and decisions concerning curricula.
7. Resolutions of the Council shall be adopted by simple majority vote, provided at least one half of its members are present. In the case of a tie, the Chairperson shall have a casting vote.
8. The Council shall pass a resolution on the regulations establishing the mode of its operation.

§ 5

1. Doctoral students educated at the School shall be members of the Self-Government of Doctoral Students.
2. The scope of activities of the Self-Government of Doctoral Students shall be defined by its regulations.

Chapter II
Organization of education at the Doctoral School

§ 6

1. The School shall be managed by the Dean.
2. The Coordinator shall exercise substantive supervision over the curriculum within the educational path.
3. The Coordinator may be a lecturer, employed at the position of a Professor or University's Professor in the group of research and teaching staff.
4. Upon the Dean's request, the Rector may appoint a Vice-Dean and shall appoint coordinators for the time till the end of the Rector's term of office.
5. The Dean shall determine the scope of tasks of the Vice-Dean and coordinators.

§ 7

1. Education at the School shall last four years and shall be divided into semesters.
2. An academic year shall consist of two semesters, winter and summer ones. The Rector, by way of a regulation, shall establish the framework structure of an academic year, including the start and end dates of classes.

3. The basis for education at the School shall be formed by the curriculum and the IRP.
4. The curriculum determines the learning outcomes for level 8 qualifications according to the Polish Qualifications Framework, duration of education and way of completing the educational process.
5. A motion to create, change or cancel a curriculum shall be put forward by the Dean or by the Dean on behalf of the Faculty Council relevant for the discipline represented at the School.
6. A change to the curriculum concerning the discipline represented at the School shall be evaluated by the relevant Faculty Council.
7. The curriculum shall specify, without limitation:
   1) discipline or disciplines which are taught and in which a doctoral dissertation is prepared;
   2) conditions of implementing the curriculum;
   3) mandatory and elective courses, including their assigned ECTS points;
   4) ways of verifying learning outcomes.

§ 8
(repealed)

Chapter III
Dissertation supervisor

§ 9

1. Academic supervision over the preparation of a doctoral dissertation shall be exercised by a dissertation supervisor or supervisors or by a dissertation supervisor and assistant supervisor, if appointed.
2. A doctoral student shall submit a request to appoint the dissertation supervisor or supervisors, specifying the discipline or field in which a doctoral dissertation will be prepared.
3. The Dean shall publish the list of dissertation supervisors on the website of the School concurrently with the announcement of recruitment rules and mode.
4. The dissertation supervisor may be a person who holds a title of Professor or postdoctoral degree (habilitation) in the discipline/field in which a doctoral dissertation is prepared or in the related discipline or a person whose qualifications are equivalent to those of a holder of postdoctoral degree (habilitation) and who is involved in research or teaching in the discipline/field in which a doctoral dissertation is prepared or in the related discipline/field, and also a person employed at a foreign higher education or scientific institution who does not satisfy the above-mentioned requirements, provided that the Discipline Scientific Council has recognised this person as an expert in the issues being the focus of the doctoral dissertation. The dissertation supervisor's tasks shall include, without limitation, academic supervision over the preparation of a doctoral dissertation and the assessment of the doctoral student's academic progress.
5. The dissertation supervisor may supervise not more than two doctoral students of the School in a given edition.
6. The assistant dissertation supervisor may be a person holding a doctoral degree in the discipline concerned or related discipline and having experience of research work who is not authorized

to perform independently the function of a dissertation supervisor in the procedure for awarding a doctoral degree.

7. The assistant dissertation supervisor's tasks shall comprise, without limitation, performing auxiliary activities in the process of supervising a doctoral student, in consultation with the dissertation supervisor, including the activities related to planning and conducting research, and analysing its outcomes.
8. The assistant dissertation supervisor may perform their function for not more than two doctoral students of the School.

§ 10

1. The dissertation supervisor (supervisors) shall be appointed by the Dean, upon the doctoral student's request, not later than three months after the doctoral student started their education at the School.
2. In the case where the dissertation supervisor is not employed with the WUEB, the request shall include the information about research and papers published by the candidate for a dissertation supervisor.
3. The doctoral student shall submit a request for appointing a dissertation supervisor (supervisors) not later than 14 days before the deadline mentioned in item 1. The candidate for a dissertation supervisor shall grant their consent to performing this function as part of the request.
4. The assistant dissertation supervisor shall be appointed by the Dean, upon the dissertation supervisor's request. The candidate for an assistant dissertation supervisor shall grant their consent to performing this function as part of the request.
5. If the doctoral student fails to submit a request to appoint the dissertation supervisor (supervisors) within the time limit specified in item 3, the Dean shall appoint the dissertation supervisor instantly. The doctoral student shall be informed immediately of appointing the dissertation supervisor.
6. Upon the justified request of the dissertation supervisor or doctoral student or acting on their own initiative the Dean may change the dissertation supervisor.
7. Upon the justified request of the dissertation supervisor (supervisors) or assistant dissertation supervisor or doctoral student, the Dean may change or dismiss the assistant dissertation supervisor without designating anyone in their place.

Chapter IV
Midterm assessment method

§ 11

1. The doctoral student, in consultation with the dissertation supervisor (supervisors) and assistant dissertation supervisor, if appointed, shall work out an Individual Research Plan (IRP) containing, without limitation:
   1) schedule for preparing a doctoral dissertation, divided into years and semesters;
   2) deadline for the submission of the doctoral dissertation, by 30 September of the final year of education at the latest;

3) research problem to be resolved in the doctoral dissertation, justification of the research problem, objectives of the dissertation and research questions or hypotheses;
4) description of *metodyka*[1] of research, planned to resolve the research problem;
5) bibliography;
6) structure of the doctoral dissertation.

2. Having obtained the opinion of the Council, the Dean shall determine the detailed structure of the IRP, including its component parts.
3. Within a period of twelve months from the start of education, the doctoral student shall submit to the Dean the IRP approved by the dissertation supervisor/supervisors and evaluated by the assistant dissertation supervisor, if appointed.
4. The completion of the IRP shall be subject to midterm assessment.
5. The midterm assessment shall be made by an evaluation commission appointed by the Dean in consultation with the Chairperson of the relevant discipline Council. The doctoral student's dissertation supervisor (supervisors) and assistant dissertation supervisor shall not participate in the work of the commission.
6. The doctoral student shall present a report on implementing the IRP and curriculum 30 days before the planned session of the commission at the latest.
7. During the session of the evaluation commission, the doctoral student shall present the research outcomes. The presentation shall be followed by the discussion with the doctoral student.
8. The result of midterm assessment shall be determined by the commission during the closed part of their session.
9. The result of midterm assessment may be positive or negative and it shall be disclosed to the doctoral student after the session of the commission. The assessment shall be accompanied by its justification.
10. The result of assessment, including its justification, shall be open.
11. A report shall be drawn up on conducting the midterm assessment.
12. The Dean may also arrange a periodical assessment, setting out its procedure and scope.

§ 12

1. Pursuant to Para. 7.2 hereof, a semester shall be a period subject to assessment.
2. The successful completion of a semester in a given academic year shall depend on obtaining the learning outcomes, i.e. passing mandatory and elective courses specified in the curriculum.
3. The course syllabuses shall define the conditions and mode of participating in classes, including the way of obtaining a pass and sitting for an exam.
4. The following grading scale, compliant with the European Credit Transfer System (ECTS), shall be established:

Grade	Numerical equivalent	Letter grade
Very good	5.0	A

[1] standardised approach making use of a set of methods; general rules of operation

Good plus	4.5	B
Good	4.0	C
Satisfactory plus	3.5	D
Satisfactory	3.0	E
Unsatisfactory	2.0	F

5. Positive grades, meaning that a course has been passed, include: very good (A), good plus (B), good (C), satisfactory plus (D), and satisfactory (E). A negative grade, meaning that a course has been failed, is an unsatisfactory grade (F). Some courses, stipulated in the curriculum, may be passed without any grade.
6. In the case of obtaining an unsatisfactory grade (F) for a given course and then passing this course as a result of taking a resit, the final grade for the course shall be determined as an arithmetic mean of the grades obtained for the course, which may not be lower than a satisfactory grade (E).
7. In the case of failing a course stipulated in the curriculum, the doctoral student shall have a right to one resit. The dates for reassessment for a pass/resit exam shall be determined by the course lecturer in accordance with the schedule for a reassessment/resit session.
8. The course grades shall be entered by the course lecturer to the University Student Service System (USOS), within the time limits set out at the University.

Chapter VI
Extension of the time limit for submitting a doctoral dissertation

§ 13

1. Upon the doctoral student's request, having obtained the dissertation supervisor's opinion, the Dean may consent to extending the time limit for submitting the doctoral dissertation, thus exceeding the time stipulated in the IRP, but for no longer than two years in total, in the case of:
   1) temporary incapability of completing the curriculum or conducting research due to illness;
   2) necessity of taking personal care of a sick family member;
   3) necessity of taking personal care of a child below four years of age or a child with a diagnosed disability;
   4) holding a disability certificate with a recognized degree of disability;
   5) necessity of continuing research for the doctoral dissertation, resulting from justified reasons;
   6) participation in a research grant awarded in the competition organized by a Polish or foreign institution funding research.
2. During the extension period, the doctoral student shall retain all their rights and obligations.

§ 14

1. Upon the doctoral student's request, the Dean may suspend their education at the School for the duration of a maternity, adoption, paternity and parental leave, as stipulated in the Act of 26 June 1974, the Labour Code, releasing also the doctoral student from the obligation to attend classes.
2. The doctoral student shall submit a written request, supported by the relevant documentation, not later than within a period of 14 days as of the occurrence of the circumstances referred to in item 1.
3. Consenting to a suspension from education for a period different from an academic year, the Dean shall set out the conditions for continuing education binding on the doctoral student after a period of suspension, including, without limitation, time limits for fulfilling the obligations stipulated in these Regulations. The Dean shall inform the doctoral student in writing of the conditions for continuing their education.
4. Within the period of seven days as of the end of the suspension period, the doctoral student shall submit their declaration on continuing studies or withdrawing from them. The failure to submit the said declaration shall be the basis for starting the procedure to remove from the list of doctoral students.
5. During the period of suspension, the doctoral student shall be completing neither their curriculum nor IRP, while retaining the doctoral student's rights.

Chapter VII
Removal from the list of doctoral students

§ 15

1. The Dean shall remove a student from the list of doctoral students in the case of:
   1) negative result of a midterm assessment;
   2) failure to submit a doctoral dissertation within the time limit set in the IRP;
   3) withdrawal from studies;
2. The Dean may remove a student from the list of doctoral students in the case of:
   1) unsatisfactory progress in preparing a doctoral dissertation;
   2) failure to observe the Regulations for the School;
   3) lack of or unsatisfactory progress in completing the curriculum or the IRP.
3. The doctoral student shall have a right to appeal against the decision referred to in item 1.
4. The doctoral student shall not have a right to retake a course or semester or to restart education after being removed from the list of doctoral students.
5. The person removed from the list of doctoral students shall be obliged to return immediately any books, materials or other items that are the University's property, including, without limitation, a doctoral student card, and to fulfil all financial obligations to the University.
6. The statement on discontinuance of education shall be filed in a written form with the Doctoral School Office.
7. The status of a doctoral student at the School shall be held by the time of:

1) completion of education by submitting the doctoral dissertation;
2) valid removal from the list of doctoral students.

Chapter VIII
Documentation of the course of education

§ 16

1. The course of education at the School shall be recorded in the doctoral student's personal file. Such file may be kept in an electronic form.
2. The doctoral student's personal file shall contain, without limitation:
   1) candidate's application for admission to the School;
   2) text of the oath signed by the doctoral student;
   3) decision on placing on the list of doctoral students of the School;
   4) statements made for financial support purposes;
   5) statement on studying in one doctoral school and not being employed as a lecturer or researcher, in accordance with the Act;
   6) statement on holding the ORCID iD;
   7) doctoral student's IRP established in accordance with these Regulations;
   8) report on conducting the midterm assessment of the doctoral student, drawn up in accordance with these Regulations;
   9) statements and reports that the doctoral students is obliged to submit in accordance with these Regulations, accompanied by the dissertation supervisor's (supervisors') opinions;
   10) transcripts of records;
   11) individual decisions taken by the Dean regarding the course of education;
   12) copies of the documents related to the course of the procedure for awarding a doctoral degree.
3. The Dean shall define the detailed rules for documenting the course of education at the Doctoral School.
4. The documentation of the Council's activities shall include, without limitation, minutes of the Council's sessions and the Council's resolutions.
5. The documentation of the Dean's activities shall include, without limitation, reports on the operations of the School and regulations issued by the Dean.
6. The documentation of the course of the procedure for awarding a degree shall be kept by the office of the relevant faculty.

Chapter IX
Doctoral student's rights and obligations

§ 17

1. The person admitted to the School shall start their education and shall acquire a doctoral student's rights after swearing an oath. The wording of the oath shall be established in the Statutes.

2. After the matriculation, the doctoral student shall receive an electronic doctoral student card.
3. The student card, referred to in item 2, entitles the doctoral student to exercise their rights and it shall be returned when the doctoral student has completed their education or in the case of suspension of their rights or removal from the list of doctoral students. The template of a student card has been specified in separate regulations.
4. The doctoral student shall have a right to:
   1) receive tutorial guidance from the dissertation supervisor;
   2) change the dissertation supervisor and assistant dissertation supervisor in accordance with the rules stipulated herein;
   3) extend the time limit for submitting the doctoral dissertation, in accordance with the rules stipulated herein;
   4) receive a doctoral scholarship, in accordance with the rules stipulated in the Act;
   5) apply for a financial support provided for in separate regulations;,
   6) participate in the classes provided at the University;
   7) participate, if eligible and admitted, in programmes abroad, with funding provided, under the programmes implemented by the University;
   8) take part in domestic and foreign studies and scientific traineeships;
   9) participate in research conducted by departments;
   10) apply for accommodation in a student dormitory, according to the rules in place at the University;
   11) have holiday breaks that last not more than eight weeks during a year and that should be taken at the time when there are no teaching classes;
   12) make use of the libraries and reading rooms available at the University, according to the rules applicable to the academic staff;
   13) do internships or traineeships in the form described in the curriculum and in the Individual Research Plan.

§ 18

The doctoral student shall be obliged to:

1) act in compliance with the oath and the Regulations;
2) respect the regulations in place at the University;
3) take care for the reputation of the University;
4) observe the European code of ethics for researchers;
5) notify the School immediately of any change to the surname and residence address and also to any other data required by the University;
6) submit statements and reports on their duties and other achievements as stipulated herein;
7) take part in the organizational activities of the School;
8) submit a medical certificate issued by an occupational health physician on the lack of counter-indications to participating in the programmes that involve exposure to harmful agents;
9) hold an ORCID iD;
10) use an electronic mail address created in the University's domain;

11) do an internship by conducting classes or taking part in teaching classes for a maximum of 60 teaching hours a year if such internship has been stipulated in the curriculum and IRP;
12) have consultation hours;
13) submit the doctoral dissertation within the time limit set in the IRP;

Chapter IXa
Internships

§ 18a

1. The doctoral student shall be obliged to do an internship by conducting classes or taking part in the classes conducted by a lecturer.
2. The purpose of internship is to prepare the doctoral student to conduct classes at an academic level in the selected areas of the given academic discipline, making use of modern methods and tools.

§ 18b

1. The internship shall comprise 60 hours per academic year. The internship shall be carried out from the first to the eighth semester for not more than 240 hours in total.
2. The doctoral student's internship shall include:
   1) 36 hours of participation in conducting classes and 24 hours of classes conducted on their own during the first year of education at the School;
   2) 48 hours of classes conducted on their own and 12 hours of participation in conducting classes during the second, third and fourth year of education at the School.
3. The Dean of the School in consultation with the Dean for Academic Programmes shall decide on the number and type of classes to be conducted. With regard to the doctoral student's participation in the classes conducted by a lecturer, the dissertation supervisor shall decide on the number and type of such classes, list the classes in which the doctoral student has to participate, and pass this information to the Doctoral School Office one week before the start of a semester, except for the first semester when such participation starts immediately after the recruitment has been finished.
4. Should the doctoral student conduct classes on their own for more hours than specified in items 2.1 and 2.2, remuneration will be paid on account of that, pursuant to the agreement concluded with the Wroclaw University of Economics and Business, in accordance with provisions of law applicable to the University.
5. Should the doctoral student defend their doctoral dissertation sooner than after four years of education at the School, the required number of internship hours will be reduced on a pro-rata basis, respecting the proportion of classes conducted by the doctoral student on their own to these conducted by lecturers in which the doctoral student participates.

§ 18c

The doctoral student shall have consultation hours as scheduled at the University.

SENATE

Chapter X
Doctoral students with disabilities

§ 19

For the doctoral students with disabilities, the University shall ensure, as far as possible, the appropriate conditions for taking part in classes and passing them, taking into account the extent of their disability.

Chapter XI
Interim and final provisions

§ 20

1. The term of office of the Council appointed based on Regulation No. 17/2020 issued by the Rector on 24 January 2020, shall end on 31 August 2020.
2. The internship for the doctoral students who started their education at the School in the academic year 2019/2020 will be carried out according to the rules already in place.
3. Decisions on the matters regarding the rules and mode of receiving education at the School that have not been stipulated herein or in other provisions of law shall be taken by the Dean ex officio or upon the doctoral student's request.

§ 21

The Doctoral School Office shall provide administrative services for the School.

§ 22

The Regulations will come into effect as of 1 October 2020.

Uniwersytet Ekonomiczny
we Wrocławiu

SENATE

RESOLUTION NO. R.0000.111.2020

adopted by the SENATE of
the WROCLAW UNIVERSITY OF ECONOMICS AND BUSINESS

on 9 July 2020

regarding

the approval of changes to the Regulations for the Doctoral School of the Wroclaw University of Economics and Business

§ 1

In the Regulations for the Doctoral School of the Wroclaw University of Economics and Business, forming Attachment no. 1 to Resolution No. R.0000.40.2020 of 23 March 2020, the following changes will be adopted:

In Chapter XI, Para.20.2 will have the following wording:

2. The internship for the doctoral students who started their education at the School in the academic year 2019/2020 will be carried out according to the rules already in place, i.e. 45 h of classes conducted by the doctoral students on their own and 15 h of participation in conducting classes and for the industrial doctorate, 10 h of classes conducted by the doctoral students on their own and 50 h of participation in conducting classes.

§ 2

The Regulations will come into effect on 1 October 2020.

Rector

Prof. Andrzej Kaleta, PhD, Habil.

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tel. 71 368 01 41 • fax 71 3680770
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www.ue.wroc.pl

SENATE

RESOLUTION NO. R.0000.6.2021

adopted by the SENATE of the WROCLAW UNIVERSITY OF ECONOMICS AND BUSINESS

on 21 January 2021

regarding

the approval of changes to the Regulations for the Doctoral School of the Wroclaw University of Economics and Business

§ 1

In the Regulations for the Doctoral School of the Wroclaw University of Economics and Business, forming Attachment no. 1 to Resolution No. R.0000.58.2019 of 31 May 2019, as amended (Resolutions adopted by the Senate Nos. 40/2020 and 111/2020), the following changes will be adopted:

1. In Para. 2 item 13 will be repealed and item 14 will have number 13.
2. In Para. 4.3. item 3 will have the wording:
   The Vice-Rector for Research or a person designated by this Vice-Rector.
3. In Para. 4 item 5 will have the wording:
   The Rector shall appoint the Council for the time till the end of the Rector's term of office.
4. In Para. 6 items 2 and 3 will be repealed and items 4 and 5 will become items 2 and 3, accordingly.
5. In Para. 6 item 2 will have the wording:
   Upon the Dean's request, the Rector may appoint a Vice-Dean for the time till the end of the Rector's term of office
6. In Para. 6 item 3 will have the wording:
   The Dean shall determine the scope of tasks of the Vice-Dean, if appointed.
7. Para. 9 will have the wording:
   1. Academic supervision over the preparation of a doctoral dissertation shall be exercised by a dissertation supervisor or supervisors or by a dissertation supervisor and assistant supervisor, if appointed.
   2. The Dean shall publish the list of dissertation supervisors on the website of the Doctoral School concurrently with the announcement of recruitment rules and mode.
   3. The dissertation supervisor may be a person employed with the WUEB who holds a title of Professor or postdoctoral degree (habilitation) and has declared in the submitted statement, regarding the discipline taught at the School, that at least 75% of conducted research is devoted to the discipline/field in which a doctoral dissertation is prepared or to

the related discipline, and has been a dissertation supervisor for at least one conferred doctor's degree.

4. The dissertation supervisor may be a person who does not satisfy the conditions stipulated in item 3, holding a title of Professor or postdoctoral degree (habilitation), provided they have obtained a favourable evaluation from the Council of the School. In such case the second dissertation supervisor who satisfies the conditions stipulated in item 3 shall be appointed.
5. The dissertation supervisor may be a person whose qualifications are equivalent to those of a holder of postdoctoral degree (habilitation) and who is involved in research or teaching in the discipline/field in which a doctoral dissertation is prepared or in the related discipline/field, subject to the provisions of item 3.
6. The dissertation supervisor may be an employee of a foreign higher education or scientific institution who does not satisfy the requirements specified in item 4, provided that the Council of the School has recognised this person as an expert in the issues being the focus of the doctoral dissertation. In such case the second dissertation supervisor who satisfies the conditions stipulated in item 3 shall be appointed.
7. The dissertation supervisor's tasks shall include, without limitation, academic supervision over the preparation of a doctoral dissertation and the assessment of the doctoral student's academic progress.
8. The dissertation supervisor may supervise not more than two doctoral students of the School in a given edition.
9. The assistant dissertation supervisor may be a person holding a doctoral degree in the discipline concerned or related discipline and having experience of research work who is not authorized to perform independently the function of a dissertation supervisor in the procedure for awarding a doctoral degree.
10. The assistant dissertation supervisor's tasks shall comprise, without limitation, performing auxiliary activities in the process of supervising a doctoral student, in consultation with the dissertation supervisor, including the activities related to planning and conducting research, and analysing its outcomes.
11. The assistant dissertation supervisor may perform their function for not more than two doctoral students of the School.

8. After Para. 10, Para. 10a shall be added with the following wording:
   1. Upon the written request of the dissertation supervisor or doctoral student, a doctoral committee may by appointed by the Dean for the doctoral student, to assess the doctoral student's progress in implementing the Individual Research Plan and to provide additional substantive support for the educational process, particularly in the case where the doctoral dissertation is interdisciplinary or involves several fields of science.
   2. The doctoral committee shall be composed of the dissertation supervisor or supervisors, the assistant dissertation supervisor, if appointed, and also two members holding a postdoctoral degree (habilitation) at a minimum. One of the latter may represent the discipline other than the one in which the doctoral dissertation is prepared.
   3. The doctoral committee shall submit to the Dean their opinion on the implementation of the Individual Research Plan.

SENATE

9. In Para. 12.5 at the end of the sentence the words pass/fail shall be added, as a result of which it will have the following wording:
   5. Positive grades, meaning that a course has been passed, include: very good (A), good plus (B), good (C), satisfactory plus (D), and satisfactory (E). A negative grade, meaning that a course has been failed, is an unsatisfactory grade (F). Some courses, stipulated in the curriculum, may be passed without any grade (pass/fail).
10. In Para. 17 the text of the oath has been added, in the Polish and English languages, and thus item 1 will have the following wording:
    1. The person admitted to the School shall start their education and shall acquire a doctoral student's rights after swearing an oath. The wording of the oath shall be established in the Statutes.
       1) The text of the oath in the Polish language:
          Wstępując w poczet doktorantów Uniwersytetu Ekonomicznego we Wrocławiu ślubuję uroczyście:
          - *zdobywać wytrwale wiedzę i umiejętności,*
          - *dbać o godność doktoranta i dobre imię mojej Uczelni,*
          - *szanować jej tradycje,*
          - *przestrzegać zasad współżycia koleżeńskiego i obyczajów akademickich oraz przepisów obowiązujących w Uczelni.*

       2) The text of the oath in the English language:
          Joining the doctoral student community of the Wroclaw University of Economics and Business, I solemnly pledge that I will persevere in:
          - *pursuing knowledge and skills,*
          - *ensuring the doctoral student's dignity and good name of my University,*
          - *respecting its traditions,*
          - *complying with the principles of social co-existence and academic customs, as well as regulations of the University.*

11. In Para. 18b item 2 will have the wording:
    2. The doctoral student's internship shall include:
       1) 24 hours of classes conducted on their own and 36 hours of participation in conducting classes during the first year of education at the School;
       2) 48 hours of classes conducted on their own and 12 hours of participation in conducting classes during the second, third and fourth year of education at the School.
12. In Para. 20 item 1 has been repealed.
13. In Para. 20 items 2 and 3 will become items 1 and 2

§ 2

The consolidated Regulations for the Doctoral School of the Wroclaw University of Economics and Business form an attachment hereto.

SENATE

§ 3

The Resolution will come into effect on 1 October 2021 and it will be applicable from the academic year 2021/2022.

Rector

Prof. Andrzej Kaleta, PhD, Habil.

SENATE

Attachment No. 1 to Resolution No.R.0000.6.2021 of 21 January 2021.

Regulations for the Doctoral School of the Wroclaw University of Economics and Business

Chapter I
General provisions

§ 1

These Regulations shall define the organization of education at the Doctoral School of the Wroclaw University of Economics and Business.

§ 2

The following terms used in these Regulations shall have the meaning:

1. Act – Act of 20 July 2018 – Law on Higher Education and Science (Dz. U. /Journal of Laws/ 2018, item 1668, as amended);
2. University – Wroclaw University of Economics and Business (WUEB);
3. Statutes – Statutes of the Wroclaw University of Economics and Business;
4. Senate – Senate of the Wroclaw University of Economics and Business;
5. Rector – Rector of the Wroclaw University of Economics and Business;
6. School – Doctoral School of the Wroclaw University of Economics and Business;
7. Discipline Council – Discipline Scientific Council operating at the University;
8. Council – Council of the Doctoral School;
9. Dean – Dean of the Doctoral School;
10. Vice-Dean – Vice-Dean of the Doctoral School;
11. Curriculum – curriculum at the Doctoral School;
12. IRP – Individual Research Plan;
13. Self-Government – Self-Government of Doctoral Students of the Wroclaw University of Economics and Business.

§ 3

1. The School shall educate doctoral students and prepare them for obtaining a doctoral degree.
2. The procedure for conferring a doctoral degree is set out in separate regulations.
3. A person holding a (professional title) master's degree or master of science degree, engineer, or an equivalent thereof, or a person referred to in Art. 186.2 of the Act may be admitted to the School.

§ 4

1. There is a Council operating at the School.
2. The Rector shall appoint the Council upon the Dean's request, evaluated by the Vice-Rector for Research, and shall determine the detailed scope of its operation.

3. The Council shall be composed of:
   1) Dean as the Chairperson;
   2) one representative of each discipline taught at the School, evaluated by the relevant Faculty Council;
   3) Vice-Rector for Research or a person designated by this Vice-Rector;
   4) Dean or Vice-Dean of the faculty conducting research in the discipline taught at the School;
   5) one representative of doctoral students, designated by their Self-Government.
4. In justified cases, the Rector may appoint also other persons as members of the Council, setting out the rules for their participation in the work of the Council.
5. The Rector shall appoint the Council for the time till the end of the Rector's term of office.
6. The Council shall perform evaluation and advisory functions. Its tasks shall include, without limitation, evaluating amendments to the Regulations for the Doctoral School, rules for recruitment of doctoral students and decisions concerning curricula.
7. Resolutions of the Council shall be adopted by simple majority vote, provided at least one half of its members are present. In the case of a tie, the Chairperson shall have a casting vote.
8. The Council shall pass a resolution on the regulations establishing the mode of its operation.

§ 5

1. Doctoral students educated at the School shall be members of the Self-Government of Doctoral Students.
2. The scope of activities of the Self-Government of Doctoral Students shall be defined by its regulations.

Chapter II
Organization of education at the Doctoral School

§ 6

1. The School shall be managed by the Dean.
2. Upon the Dean's request, the Rector may appoint a Vice-Dean for the time till the end of the Rector's term of office.
3. The Dean shall determine the scope of tasks of the Vice-Dean, if appointed.

§ 7

1. Education at the School shall last four years and shall be divided into semesters.
2. An academic year shall consist of two semesters, winter and summer ones. The Rector, by way of a regulation, shall establish the framework structure of an academic year, including the start and end dates of classes.
3. The basis for education at the School shall be formed by the curriculum and the IRP.
4. The curriculum determines the learning outcomes for level 8 qualifications according to the Polish Qualifications Framework, duration of education and way of completing the educational process.
5. A motion to create, change or cancel a curriculum shall be put forward by the Dean or by the

Dean on behalf of the Faculty Council relevant for the discipline represented at the School.

6. A change to the curriculum concerning the discipline represented at the School shall be evaluated by the relevant Faculty Council.
7. The curriculum shall specify, without limitation:
   1) discipline or disciplines which are taught and in which a doctoral dissertation is prepared;
   2) conditions of implementing the curriculum;
   3) mandatory and elective courses, including their assigned ECTS points;
   4) ways of verifying learning outcomes.

§ 8 (repealed)

Chapter III
Dissertation supervisor

§ 9

1. Academic supervision over the preparation of a doctoral dissertation shall be exercised by a dissertation supervisor or supervisors or by a dissertation supervisor and assistant supervisor, if appointed.
2. The Dean shall publish the list of dissertation supervisors on the website of the School concurrently with the announcement of recruitment rules and mode.
3. The dissertation supervisor may be a person employed with the WUEB who holds a title of Professor or postdoctoral degree (habilitation) and has declared in the submitted statement, regarding the discipline taught at the School, that at least 75% of conducted research is devoted to the discipline/field in which a doctoral dissertation is prepared or to the related discipline, and has been a dissertation supervisor for at least one conferred doctor's degree.
4. The dissertation supervisor may be a person who does not satisfy the conditions stipulated in item 3, holding a title of Professor or postdoctoral degree (habilitation), provided they have obtained a favourable evaluation from the Council of the School. In such case the second dissertation supervisor who satisfies the conditions stipulated in item 3 shall be appointed.
5. The dissertation supervisor may be a person whose qualifications are equivalent to those of a holder of postdoctoral degree (habilitation) and who is involved in research or teaching in the discipline/field in which a doctoral dissertation is prepared or in the related discipline/field, subject to the provisions of item 3.
6. The dissertation supervisor may be an employee of a foreign higher education or scientific institution who does not satisfy the requirements specified in item 4, provided that the Council of the School has recognised this person as an expert in the issues being the focus of the doctoral dissertation. In such case the second dissertation supervisor who satisfies the conditions stipulated in item 3 shall be appointed.
7. The dissertation supervisor's tasks shall include, without limitation, academic supervision over the preparation of a doctoral dissertation and the assessment of the doctoral student's academic progress.
8. The dissertation supervisor may supervise not more than two doctoral students of the School in a given edition.

9. The assistant dissertation supervisor may be a person holding a doctoral degree in the discipline concerned or related discipline and having experience of research work who is not authorized to perform independently the function of a dissertation supervisor in the procedure for awarding a doctoral degree.
10. The assistant dissertation supervisor's tasks shall comprise, without limitation, performing auxiliary activities in the process of supervising a doctoral student, in consultation with the dissertation supervisor, including the activities related to planning and conducting research, and analysing its outcomes.
11. The assistant dissertation supervisor may perform their function for not more than two doctoral students of the School.

§ 10

1. The dissertation supervisor (supervisors) shall be appointed by the Dean, upon the doctoral student's request, not later than three months after the doctoral student started their education at the School.
2. In the case where the dissertation supervisor is not employed with the WUEB, the request shall include the information about research and papers published by the candidate for a dissertation supervisor.
3. The doctoral student shall submit a request for appointing a dissertation supervisor (supervisors) not later than 14 days before the deadline mentioned in item 1. The candidate for a dissertation supervisor shall grant their consent to performing this function as part of the request.
4. The assistant dissertation supervisor shall be appointed by the Dean, upon the dissertation supervisor's request. The candidate for an assistant dissertation supervisor shall grant their consent to performing this function as part of the request.
5. If the doctoral student fails to submit a request to appoint the dissertation supervisor (supervisors) within the time limit specified in item 3, the Dean shall appoint the dissertation supervisor instantly. The doctoral student shall be informed immediately of appointing the dissertation supervisor.
6. Upon the justified request of the dissertation supervisor or doctoral student or acting on their own initiative the Dean may change the dissertation supervisor.
7. Upon the justified request of the dissertation supervisor (supervisors) or assistant dissertation supervisor or doctoral student, the Dean may change or dismiss the assistant dissertation supervisor without designating anyone in their place.

§ 10a

1. Upon the written request of the dissertation supervisor or doctoral student, a doctoral committee may by appointed by the Dean for the doctoral student, to assess the doctoral student's progress in implementing the Individual Research Plan and to provide additional substantive support for the educational process, particularly in the case where the doctoral dissertation is interdisciplinary or involves several fields of science.
2. The doctoral committee shall be composed of the dissertation supervisor or supervisors, the assistant dissertation supervisor, if appointed, and also two members holding a postdoctoral

degree (habilitation) at a minimum. One of the latter may represent the discipline other than the one in which the doctoral dissertation is prepared.

3. The doctoral committee shall submit to the Dean their opinion on the implementation of the Individual Research Plan.

Chapter IV
Midterm assessment method

§ 11

1. The doctoral student, in consultation with the dissertation supervisor (supervisors) and assistant dissertation supervisor, if appointed, shall work out an Individual Research Plan (IRP) containing, without limitation:
   1) schedule for preparing a doctoral dissertation, divided into years and semesters;
   2) deadline for the submission of the doctoral dissertation, by 30 September of the final year of education at the latest;
   3) research problem to be resolved in the doctoral dissertation, justification of the research problem, objectives of the dissertation and research questions or hypotheses;
   4) description of *metodyka*[1] of research, planned to resolve the research problem;
   5) bibliography;
   6) structure of the doctoral dissertation.
2. Having obtained the opinion of the Council, the Dean shall determine the detailed structure of the IRP, including its component parts.
3. Within a period of twelve months from the start of education, the doctoral student shall submit to the Dean the IRP approved by the dissertation supervisor/supervisors and evaluated by the assistant dissertation supervisor, if appointed.
4. The completion of the IRP shall be subject to midterm assessment.
5. The midterm assessment shall be made by an evaluation commission appointed by the Dean in consultation with the Chairperson of the relevant discipline Council. The doctoral student's dissertation supervisor (supervisors) and assistant dissertation supervisor shall not participate in the work of the commission.
6. The doctoral student shall present a report on implementing the IRP and curriculum 30 days before the planned session of the commission at the latest.
7. During the session of the evaluation commission, the doctoral student shall present the research outcomes. The presentation shall be followed by the discussion with the doctoral student.
8. The result of midterm assessment shall be determined by the commission during the closed part of their session.
9. The result of midterm assessment may be positive or negative and it shall be disclosed to the doctoral student after the session of the commission. The assessment shall be accompanied by its justification.
10. The result of assessment, including its justification, shall be open.
11. A report shall be drawn up on conducting the midterm assessment.

[1] standardised approach making use of a set of methods; general rules of operation

12. The Dean may also arrange a periodical assessment, setting out its procedure and scope.

§ 12

1. Pursuant to Para. 7.2 hereof, a semester shall be a period subject to assessment.
2. The successful completion of a semester in a given academic year shall depend on obtaining the learning outcomes, i.e. passing mandatory and elective courses specified in the curriculum.
3. The course syllabuses shall define the conditions and mode of participating in classes, including the way of obtaining a pass and sitting for an exam.
4. The following grading scale, compliant with the European Credit Transfer System (ECTS), shall be established:

Grade	Numerical equivalent	Letter grade
Very good	5.0	A
Good plus	4.5	B
Good	4.0	C
Satisfactory plus	3.5	D
Satisfactory	3.0	E
Unsatisfactory	2.0	F

5. Positive grades, meaning that a course has been passed, include: very good (A), good plus (B), good (C), satisfactory plus (D), and satisfactory (E). A negative grade, meaning that a course has been failed, is an unsatisfactory grade (F). Some courses, stipulated in the curriculum, may be passed without any grade (pass/fail).
6. In the case of obtaining an unsatisfactory grade (F) for a given course and then passing this course as a result of taking a resit, the final grade for the course shall be determined as an arithmetic mean of the grades obtained for the course, which may not be lower than a satisfactory grade (E).
7. In the case of failing a course stipulated in the curriculum, the doctoral student shall have a right to one resit. The dates for reassessment for a pass/resit exam shall be determined by the course lecturer in accordance with the schedule for a reassessment/resit session.
8. The course grades shall be entered by the course lecturer to the University Student Service System (USOS), within the time limits set out at the University.

SENATE

Chapter VI
Extension of the time limit for submitting a doctoral dissertation

§ 13

1. Upon the doctoral student's request, having obtained the dissertation supervisor's opinion, the Dean may consent to extending the time limit for submitting the doctoral dissertation, thus exceeding the time stipulated in the IRP, but for no longer than two years in total, in the case of:
   1) temporary incapability of completing the curriculum or conducting research due to illness;
   2) necessity of taking personal care of a sick family member;
   3) necessity of taking personal care of a child below four years of age or a child with a diagnosed disability;
   4) holding a disability certificate with a recognized degree of disability;
   5) necessity of continuing research for the doctoral dissertation, resulting from justified reasons;
   6) participation in a research grant awarded in the competition organized by a Polish or foreign institution funding research.
2. During the extension period, the doctoral student shall retain all their rights and obligations.

§ 14

1. Upon the doctoral student's request, the Dean may suspend their education at the School for the duration of a maternity, adoption, paternity and parental leave, as stipulated in the Act of 26 June 1974, the Labour Code, releasing also the doctoral student from the obligation to attend classes.
2. The doctoral student shall submit a written request, supported by the relevant documentation, not later than within a period of 14 days as of the occurrence of the circumstances referred to in item 1.
3. Consenting to a suspension from education for a period different from an academic year, the Dean shall set out the conditions for continuing education binding on the doctoral student after a period of suspension, including, without limitation, time limits for fulfilling the obligations stipulated in these Regulations. The Dean shall inform the doctoral student in writing of the conditions for continuing their education.
4. Within the period of seven days as of the end of the suspension period, the doctoral student shall submit their declaration on continuing studies or withdrawing from them. The failure to submit the said declaration shall be the basis for starting the procedure to remove from the list of doctoral students.
5. During the period of suspension, the doctoral student shall be completing neither their curriculum nor IRP, while retaining the doctoral student's rights.

SENATE

Chapter VII
Removal from the list of doctoral students

§ 15

1. The Dean shall remove a student from the list of doctoral students in the case of:
   1) negative result of a midterm assessment;
   2) failure to submit a doctoral dissertation within the time limit set in the IRP;
   3) withdrawal from studies;
2. The Dean may remove a student from the list of doctoral students in the case of:
   1) unsatisfactory progress in preparing a doctoral dissertation;
   2) failure to observe the Regulations for the School;
   3) lack of or unsatisfactory progress in completing the curriculum or the IRP.
3. The doctoral student shall have a right to appeal against the decision referred to in item 1.
4. The doctoral student shall not have a right to retake a course or semester or to restart education after being removed from the list of doctoral students.
5. The person removed from the list of doctoral students shall be obliged to return immediately any books, materials or other items that are the University's property, including, without limitation, a doctoral student card, and to fulfil all financial obligations to the University.
6. The statement on discontinuance of education shall be filed in a written form with the Doctoral School Office.
7. The status of a doctoral student at the School shall be held by the time of:
   1) completion of education by submitting the doctoral dissertation;
   2) valid removal from the list of doctoral students.

Chapter VIII
Documentation of the course of education

§ 16

1. The course of education at the School shall be recorded in the doctoral student's personal file. Such file may be kept in an electronic form.
2. The doctoral student's personal file shall contain, without limitation:
   1) candidate's application for admission to the School;
   2) text of the oath signed by the doctoral student;
   3) decision on placing on the list of doctoral students of the School;
   4) statements made for financial support purposes;
   5) statement on studying in one doctoral school and not being employed as a lecturer or researcher, in accordance with the Act;
   6) statement on holding the ORCID iD;
   7) doctoral student's IRP established in accordance with these Regulations;
   8) report on conducting the midterm assessment of the doctoral student, drawn up in accordance with these Regulations;
   9) statements and reports that the doctoral students is obliged to submit in accordance with

these Regulations, accompanied by the dissertation supervisor's (supervisors') opinions;
10) transcripts of records;
11) individual decisions taken by the Dean regarding the course of education;
12) copies of the documents related to the course of the procedure for awarding a doctoral degree.

3. The Dean shall define the detailed rules for documenting the course of education at the Doctoral School.
4. The documentation of the Council's activities shall include, without limitation, minutes of the Council's sessions and the Council's resolutions.
5. The documentation of the Dean's activities shall include, without limitation, reports on the operations of the School and regulations issued by the Dean.
6. The documentation of the course of the procedure for awarding a degree shall be kept by the office of the relevant faculty.

Chapter IX
Doctoral student's rights and obligations

§ 17

1. The person admitted to the School shall start their education and shall acquire a doctoral student's rights after swearing an **oath**. The wording of the oath shall be established in the Statutes.
   1) The text of the oath in the Polish language:
   Wstępując w poczet doktorantów Uniwersytetu Ekonomicznego we Wrocławiu ślubuję uroczyście:
      - *zdobywać wytrwale wiedzę i umiejętności,*
      - *dbać o godność doktoranta i dobre imię mojej Uczelni,*
      - *szanować jej tradycje,*
      - *przestrzegać zasad współżycia koleżeńskiego i obyczajów akademickich oraz przepisów obowiązujących w Uczelni.*
   2) The text of the oath in the English language:
   Joining the doctoral student community of the Wroclaw University of Economics and Business, I solemnly pledge that I will persevere in:
      - *pursuing knowledge and skills,*
      - *ensuring the doctoral student's dignity and good name of my University,*
      - *respecting its traditions,*
      - *complying with the principles of social co-existence and academic customs, as well as regulations of the University.*
2. After the matriculation, the doctoral student shall receive an electronic doctoral student card.
3. The student card, referred to in item 2, entitles the doctoral student to exercise their rights and it shall be returned when the doctoral student has completed their education or in the case of suspension of their rights or removal from the list of doctoral students. The template of a student card has been specified in separate regulations.

4. The doctoral student shall have a right to:
   1) receive tutorial guidance from the dissertation supervisor;
   2) change the dissertation supervisor and assistant dissertation supervisor in accordance with the rules stipulated herein;
   3) extend the time limit for submitting the doctoral dissertation, in accordance with the rules stipulated herein;
   4) receive a doctoral scholarship, in accordance with the rules stipulated in the Act;
   5) apply for a financial support provided for in separate regulations;,
   6) participate in the classes provided at the University;
   7) participate, if eligible and admitted, in programmes abroad, with funding provided, under the programmes implemented by the University;
   8) take part in domestic and foreign studies and scientific traineeships;
   9) participate in research conducted by departments;
   10) apply for accommodation in a student dormitory, according to the rules in place at the University;
   11) have holiday breaks that last not more than eight weeks during a year and that should be taken at the time when there are no teaching classes;
   12) make use of the libraries and reading rooms available at the University, according to the rules applicable to the academic staff;
   13) do internships or traineeships in the form described in the curriculum and in the Individual Research Plan.

§ 18

The doctoral student shall be obliged to:
   1) act in compliance with the oath and the Regulations;
   2) respect the regulations in place at the University;
   3) take care for the reputation of the University;
   4) observe the European code of ethics for researchers;
   5) notify the School immediately of any change to the surname and residence address and also to any other data required by the University;
   6) submit statements and reports on their duties and other achievements as stipulated herein;
   7) hold an ORCID iD;
   8) use an electronic mail address created in the University's domain;
   9) do an internship by conducting classes or taking part in teaching classes for a maximum of 60 teaching hours a year if such internship has been stipulated in the curriculum and IRP;
   10) have consultation hours;
   11) submit the doctoral dissertation within the time limit set in the IRP.

Chapter IXa
Internships

§ 18a

1. The doctoral student shall be obliged to do an internship by conducting classes or taking part in the classes conducted by a lecturer.
2. The purpose of internship is to prepare the doctoral student to conduct classes at an academic level in the selected areas of the given academic discipline, making use of modern methods and tools.

§ 18b

1. The internship shall comprise 60 hours per academic year. The internship shall be carried out from the first to the eighth semester for not more than 240 hours in total.
2. The doctoral student's internship shall include:
   1) 24 hours of classes conducted on their own and 36 hours of participation in conducting classes during the first year of education at the School;
   2) 48 hours of classes conducted on their own and 12 hours of participation in conducting classes during the second, third and fourth year of education at the School.
3. The Dean of the School in consultation with the Dean for Academic Programmes shall decide on the number and type of classes to be conducted. With regard to the doctoral student's participation in the classes conducted by a lecturer, the dissertation supervisor shall decide on the number and type of such classes, list the classes in which the doctoral student has to participate, and pass this information to the Doctoral School Office one week before the start of a semester, except for the first semester when such participation starts immediately after the recruitment has been finished.
4. Should the doctoral student conduct classes on their own for more hours than specified in items 2.1 and 2.2, remuneration will be paid on account of that, pursuant to the agreement concluded with the Wroclaw University of Economics and Business, in accordance with provisions of law applicable to the University.
5. Should the doctoral student defend their doctoral dissertation sooner than after four years of education at the School, the required number of internship hours will be reduced on a pro-rata basis, respecting the proportion of classes conducted by the doctoral student on their own to these conducted by lecturers in which the doctoral student participates.

§ 18c

The doctoral student shall have consultation hours as scheduled at the University.

Chapter X
Doctoral students with disabilities

§ 19

For the doctoral students with disabilities, the University shall ensure, as far as possible, the appropriate conditions for taking part in classes and passing them, taking into account the extent of their disability.

SENATE

Chapter XI
Interim and final provisions

§ 20

1. The internship for the doctoral students who started their education at the School in the academic year 2019/2020 will be carried out according to the rules already in place, i.e. 45 hours of classes conducted by the doctoral students on their own and 15 hours of participation in conducting classes and for the industrial doctorate, 10 hours of classes conducted by the doctoral students on their own and 50 hours of participation in conducting classes.
2. Decisions on the matters regarding the rules and mode of receiving education at the School that have not been stipulated herein or in other provisions of law shall be taken by the Dean ex officio or upon the doctoral student's request.

§ 21

The Doctoral School Office shall provide administrative services for the School.

§ 22

The Regulations shall come into effect as of 1 October 2021.

SENATE

RESOLUTION NO. R.0000.44.2021

adopted by the SENATE of the WROCLAW UNIVERSITY OF ECONOMICS AND BUSINESS

on 24 June 2021

regarding

the approval of changes to the Regulations for the Doctoral School of the Wroclaw University of Economics and Business

§ 1

In the Regulations for the Doctoral School of the Wroclaw University of Economics and Business, forming Attachment no. 1 to Resolution No. R.0000.58.2019 of 31 May 2019, as amended, Para. 9 will have the following wording:

1. Academic supervision over the preparation of a doctoral dissertation shall be exercised by a dissertation supervisor or supervisors or by a dissertation supervisor and assistant supervisor, if appointed.
2. The Dean shall publish the list of dissertation supervisors on the website of the School concurrently with the announcement of recruitment rules and mode.
3. The dissertation supervisor may be a person employed with the WUEB who:
   1) holds a postdoctoral degree (habilitation) or a title of Professor;
   2) has declared in the submitted statement that at least 75% of time for research will be devoted to the discipline which is taught and in which a doctoral dissertation is prepared or to the related discipline,
   3) meets one of the two conditions: has been a dissertation supervisor for at least one conferred doctor's degree or is the author/co-author of at least two papers published during the last two calendar years preceding the year of recruitment, each valued at 40 points at a minimum, in the discipline taught at the School. Each publication shall meet the criteria established in Art. 265.9.2. of the Act and, to determine the value of the achievement in terms of points, the scoring given in the list of journals and conferences held abroad, valid in the year of publication, shall be applied.
4. The dissertation supervisor may be a person who does not satisfy the conditions stipulated in item 3, provided they have obtained a favourable evaluation from the Council of the Doctoral School. In such case the second dissertation supervisor who satisfies the conditions stipulated in item 3 shall be appointed.
5. The maximum number of doctoral students concurrently supervised by the dissertation supervisor at the School shall be four, however, not more than two during one edition.
6. The dissertation supervisor's tasks shall include, without limitation, academic supervision over the preparation of a doctoral dissertation and the assessment of the doctoral student's academic progress.

SENATE

7. The assistant dissertation supervisor may be a person holding a doctoral degree in the discipline concerned or related discipline and having experience of research work who is not authorized to perform independently the function of a dissertation supervisor in the procedure for awarding a doctoral degree.
8. The assistant dissertation supervisor's tasks shall comprise, without limitation, performing auxiliary activities in the process of supervising a doctoral student, in consultation with the dissertation supervisor, including the activities related to designing and conducting research and analysing its outcomes.
9. The assistant dissertation supervisor may perform their function for not more than two doctoral students of the School.

§ 2

The consolidated Regulations for the Doctoral School of the Wroclaw University of Economics and Business form an attachment hereto.

§ 3

The resolution will come into effect on the day it is signed.

Rector

Prof. Andrzej Kaleta, PhD, Habil.

SENATE

Attachment No. 1 to Resolution No.R.0000.44.2021 of 24 June 2021.

Regulations for the Doctoral School of the Wroclaw University of Economics and Business

Chapter I
General provisions

§ 1

These Regulations shall define the organization of education at the Doctoral School of the Wroclaw University of Economics and Business.

§ 2

The following terms used in these Regulations shall have the meaning:

1. Act – Act of 20 July 2018 – Law on Higher Education and Science (Dz. U. /Journal of Laws/ 2018, item 1668, as amended);
2. University – Wroclaw University of Economics and Business (WUEB);
3. Statutes – Statutes of the Wroclaw University of Economics and Business;
4. Senate – Senate of the Wroclaw University of Economics and Business;
5. Rector – Rector of the Wroclaw University of Economics and Business;
6. School – Doctoral School of the Wroclaw University of Economics and Business;
7. Discipline Council – Discipline Scientific Council operating at the University;
8. Council – Council of the Doctoral School;
9. Dean – Dean of the Doctoral School;
10. Vice-Dean – Vice-Dean of the Doctoral School;
11. Curriculum – curriculum at the Doctoral School;
12. IRP – Individual Research Plan;
13. Self-Government – Self-Government of Doctoral Students of the Wroclaw University of Economics and Business.

§ 3

1. The School shall educate doctoral students and prepare them for obtaining a doctoral degree.
2. The procedure for conferring a doctoral degree is set out in separate regulations.
3. A person holding a (professional title) master's degree or master of science degree, engineer, or an equivalent thereof, or a person referred to in Art. 186.2 of the Act may be admitted to the School.

§ 4

1. There is a Council operating at the School.
2. The Rector shall appoint the Council upon the Dean's request, evaluated by the Vice-Rector for Research, and shall determine the detailed scope of its operation.

3. The Council shall be composed of:
   1) Dean as the Chairperson;
   2) one representative of each discipline taught at the School, evaluated by the relevant Faculty Council;
   3) Vice-Rector for Research or a person designated by this Vice-Rector;
   4) Dean or Vice-Dean of the faculty conducting research in the discipline taught at the School;
   5) one representative of doctoral students, designated by their Self-Government.
4. In justified cases, the Rector may appoint also other persons as members of the Council, setting out the rules for their participation in the work of the Council.
5. The Rector shall appoint the Council for the time till the end of the Rector's term of office.
6. The Council shall perform evaluation and advisory functions. Its tasks shall include, without limitation, evaluating amendments to the Regulations for the Doctoral School, rules for recruitment of doctoral students and decisions concerning curricula.
7. Resolutions of the Council shall be adopted by simple majority vote, provided at least one half of its members are present. In the case of a tie, the Chairperson shall have a casting vote.
8. The Council shall pass a resolution on the regulations establishing the mode of its operation.

§ 5

1. Doctoral students educated at the School shall be members of the Self-Government of Doctoral Students.
2. The scope of activities of the Self-Government of Doctoral Students shall be defined by its regulations.

Chapter II
Organization of education at the Doctoral School

§ 6

1. The School shall be managed by the Dean.
2. Upon the Dean's request, the Rector may appoint a Vice-Dean for the time till the end of the Rector's term of office.
3. The Dean shall determine the scope of tasks of the Vice-Dean, if appointed.

§ 7

1. Education at the School shall last four years and shall be divided into semesters.
2. An academic year shall consist of two semesters, winter and summer ones. The Rector, by way of a regulation, shall establish the framework structure of an academic year, including the start and end dates of classes.
3. The basis for education at the School shall be formed by the curriculum and the IRP.
4. The curriculum determines the learning outcomes for level 8 qualifications according to the Polish Qualifications Framework, duration of education and way of completing the educational process.
5. A motion to create, change or cancel a curriculum shall be put forward by the Dean or by the

Dean on behalf of the Faculty Council relevant for the discipline represented at the School.

6. A change to the curriculum concerning the discipline represented at the School shall be evaluated by the relevant Faculty Council.
7. The curriculum shall specify, without limitation:
   1) discipline or disciplines which are taught and in which a doctoral dissertation is prepared;
   2) conditions of implementing the curriculum;
   3) mandatory and elective courses, including their assigned ECTS points;
   4) ways of verifying learning outcomes.

§ 8
(repealed)

Chapter III
Dissertation supervisor

§ 9

1. Academic supervision over the preparation of a doctoral dissertation shall be exercised by a dissertation supervisor or supervisors or by a dissertation supervisor and assistant supervisor, if appointed.
2. The Dean shall publish the list of dissertation supervisors on the website of the School concurrently with the announcement of recruitment rules and mode.
3. The dissertation supervisor may be a person employed with the WUEB who:
   1) holds a postdoctoral degree (habilitation) or a title of Professor;
   2) has declared in the submitted statement that at least 75% of time for research will be devoted to the discipline which is taught and in which a doctoral dissertation is prepared or to the related discipline,
   3) meets one of the two conditions: has been a dissertation supervisor for at least one conferred doctor's degree or is the author/co-author of at least two papers published during the last two calendar years preceding the year of recruitment, each valued at 40 points at a minimum, in the discipline taught at the School. Each publication shall meet the criteria established in Art. 265.9.2. of the Act and, to determine the value of the achievement in terms of points, the scoring given in the list of journals and conferences held abroad, valid in the year of publication, shall be applied.
4. The dissertation supervisor may be a person who does not satisfy the conditions stipulated in item 3, provided they have obtained a favourable evaluation from the Council of the Doctoral School. In such case the second dissertation supervisor who satisfies the conditions stipulated in item 3 shall be appointed.
5. The maximum number of doctoral students concurrently supervised by the dissertation supervisor at the School shall be four, however, not more than two during one edition.
6. The dissertation supervisor's tasks shall include, without limitation, academic supervision over the preparation of a doctoral dissertation and the assessment of the doctoral student's academic progress.
7. The assistant dissertation supervisor may be a person holding a doctoral degree in the discipline

concerned or related discipline and having experience of research work who is not authorized to perform independently the function of a dissertation supervisor in the procedure for awarding a doctoral degree.

8. The assistant dissertation supervisor's tasks shall comprise, without limitation, performing auxiliary activities in the process of supervising a doctoral student, in consultation with the dissertation supervisor, including the activities related to designing and conducting research and analysing its outcomes.
9. The assistant dissertation supervisor may perform their function for not more than two doctoral students of the School.

§ 10

1. The dissertation supervisor (supervisors) shall be appointed by the Dean, upon the doctoral student's request, not later than three months after the doctoral student started their education at the School.
2. In the case where the dissertation supervisor is not employed with the WUEB, the request shall include the information about research and papers published by the candidate for a dissertation supervisor.
3. The doctoral student shall submit a request for appointing a dissertation supervisor (supervisors) not later than 14 days before the deadline mentioned in item 1. The candidate for a dissertation supervisor shall grant their consent to performing this function as part of the request.
4. The assistant dissertation supervisor shall be appointed by the Dean, upon the dissertation supervisor's request. The candidate for an assistant dissertation supervisor shall grant their consent to performing this function as part of the request.
5. If the doctoral student fails to submit a request to appoint the dissertation supervisor (supervisors) within the time limit specified in item 3, the Dean shall appoint the dissertation supervisor instantly. The doctoral student shall be informed immediately of appointing the dissertation supervisor.
6. Upon the justified request of the dissertation supervisor or doctoral student or acting on their own initiative the Dean may change the dissertation supervisor.
7. Upon the justified request of the dissertation supervisor (supervisors) or assistant dissertation supervisor or doctoral student, the Dean may change or dismiss the assistant dissertation supervisor without designating anyone in their place.

§ 10a

1. Upon the written request of the dissertation supervisor or doctoral student, a doctoral committee may by appointed by the Dean for the doctoral student, to assess the doctoral student's progress in implementing the Individual Research Plan and to provide additional substantive support for the educational process, particularly in the case where the doctoral dissertation is interdisciplinary or involves several fields of science.
2. The doctoral committee shall be composed of the dissertation supervisor or supervisors, the assistant dissertation supervisor, if appointed, and also two members holding a postdoctoral

degree (habilitation) at a minimum. One of the latter may represent the discipline other than the one in which the doctoral dissertation is prepared.

3. The doctoral committee shall submit to the Dean their opinion on the implementation of the Individual Research Plan.

Chapter IV
Midterm assessment method

§ 11

1. The doctoral student, in consultation with the dissertation supervisor (supervisors) and assistant dissertation supervisor, if appointed, shall work out an Individual Research Plan (IRP) containing, without limitation:
   1) schedule for preparing a doctoral dissertation, divided into years and semesters;
   2) deadline for the submission of the doctoral dissertation, by 30 September of the final year of education at the latest;
   3) research problem to be resolved in the doctoral dissertation, justification of the research problem, objectives of the dissertation and research questions or hypotheses;
   4) description of *metodyka*[1] of research, planned to resolve the research problem;
   5) bibliography;
   6) structure of the doctoral dissertation.
2. Having obtained the opinion of the Council, the Dean shall determine the detailed structure of the IRP, including its component parts.
3. Within a period of twelve months from the start of education, the doctoral student shall submit to the Dean the IRP approved by the dissertation supervisor/supervisors and evaluated by the assistant dissertation supervisor, if appointed.
4. The completion of the IRP shall be subject to midterm assessment.
5. The midterm assessment shall be made by an evaluation commission appointed by the Dean in consultation with the Chairperson of the relevant discipline Council. The doctoral student's dissertation supervisor (supervisors) and assistant dissertation supervisor shall not participate in the work of the commission.
6. The doctoral student shall present a report on implementing the IRP and curriculum 30 days before the planned session of the commission at the latest.
7. During the session of the evaluation commission, the doctoral student shall present the research outcomes. The presentation shall be followed by the discussion with the doctoral student.
8. The result of midterm assessment shall be determined by the commission during the closed part of their session.
9. The result of midterm assessment may be positive or negative and it shall be disclosed to the doctoral student after the session of the commission. The assessment shall be accompanied by its justification.
10. The result of assessment, including its justification, shall be open.
11. A report shall be drawn up on conducting the midterm assessment.

[1] standardised approach making use of a set of methods; general rules of operation

12. The Dean may also arrange a periodical assessment, setting out its procedure and scope.

§ 12

1. Pursuant to Para. 7.2 hereof, a semester shall be a period subject to assessment.
2. The successful completion of a semester in a given academic year shall depend on obtaining the learning outcomes, i.e. passing mandatory and elective courses specified in the curriculum.
3. The course syllabuses shall define the conditions and mode of participating in classes, including the way of obtaining a pass and sitting for an exam.
4. The following grading scale, compliant with the European Credit Transfer System (ECTS), shall be established:

Grade	Numerical equivalent	Letter grade
Very good	5.0	A
Good plus	4.5	B
Good	4.0	C
Satisfactory plus	3.5	D
Satisfactory	3.0	E
Unsatisfactory	2.0	F

5. Positive grades, meaning that a course has been passed, include: very good (A), good plus (B), good (C), satisfactory plus (D), and satisfactory (E). A negative grade, meaning that a course has been failed, is an unsatisfactory grade (F). Some courses, stipulated in the curriculum, may be passed without any grade (pass/fail).
6. In the case of obtaining an unsatisfactory grade (F) for a given course and then passing this course as a result of taking a resit, the final grade for the course shall be determined as an arithmetic mean of the grades obtained for the course, which may not be lower than a satisfactory grade (E).
7. In the case of failing a course stipulated in the curriculum, the doctoral student shall have a right to one resit. The dates for reassessment for a pass/resit exam shall be determined by the course lecturer in accordance with the schedule for a reassessment/resit session.
8. The course grades shall be entered by the course lecturer to the University Student Service System (USOS), within the time limits set out at the University.

SENATE

Chapter V
Extension of the time limit for submitting a doctoral dissertation

§ 13

1. Upon the doctoral student's request, having obtained the dissertation supervisor's opinion, the Dean may consent to extending the time limit for submitting the doctoral dissertation, thus exceeding the time stipulated in the IRP, but for no longer than two years in total, in the case of:
   1) temporary incapability of completing the curriculum or conducting research due to illness;
   2) necessity of taking personal care of a sick family member;
   3) necessity of taking personal care of a child below four years of age or a child with a diagnosed disability;
   4) holding a disability certificate with a recognized degree of disability;
   5) necessity of continuing research for the doctoral dissertation, resulting from justified reasons;
   6) participation in a research grant awarded in the competition organized by a Polish or foreign institution funding research.
2. During the extension period, the doctoral student shall retain all their rights and obligations.

§ 14

1. Upon the doctoral student's request, the Dean may suspend their education at the School for the duration of a maternity, adoption, paternity and parental leave, as stipulated in the Act of 26 June 1974, the Labour Code, releasing also the doctoral student from the obligation to attend classes.
2. The doctoral student shall submit a written request, supported by the relevant documentation, not later than within a period of 14 days as of the occurrence of the circumstances referred to in item 1.
3. Consenting to a suspension from education for a period different from an academic year, the Dean shall set out the conditions for continuing education binding on the doctoral student after a period of suspension, including, without limitation, time limits for fulfilling the obligations stipulated in these Regulations. The Dean shall inform the doctoral student in writing of the conditions for continuing their education.
4. Within the period of seven days as of the end of the suspension period, the doctoral student shall submit their declaration on continuing studies or withdrawing from them. The failure to submit the said declaration shall be the basis for starting the procedure to remove from the list of doctoral students.
5. During the period of suspension, the doctoral student shall be completing neither their curriculum nor IRP, while retaining the doctoral student's rights.

SENATE

Chapter VI
Removal from the list of doctoral students

§ 15

1. The Dean shall remove a student from the list of doctoral students in the case of:
   1) negative result of a midterm assessment;
   2) failure to submit a doctoral dissertation within the time limit set in the Individual Research Plan (IRP);
   3) withdrawal from studies;
2. The Dean may remove a student from the list of doctoral students in the case of:
   1) unsatisfactory progress in preparing a doctoral dissertation;
   2) failure to observe the Regulations for the School;
   3) lack of or unsatisfactory progress in completing the curriculum or the IRP.
3. The doctoral student shall have a right to appeal against the decision referred to in item 1.
4. The doctoral student shall not have a right to retake a course or semester or to restart education after being removed from the list of doctoral students.
5. The person removed from the list of doctoral students shall be obliged to return immediately any books, materials or other items that are the University's property, including, without limitation, a doctoral student card, and to fulfil all financial obligations to the University.
6. The statement on discontinuance of education shall be filed in a written form with the Doctoral School Office.
7. The status of a doctoral student at the School shall be held by the time of:
   1) completion of education by submitting the doctoral dissertation;
   2) valid removal from the list of doctoral students.

Chapter VII
Documentation of the course of education

§ 16

1. The course of education at the School shall be recorded in the doctoral student's personal file. Such file may be kept in an electronic form.
2. The doctoral student's personal file shall contain, without limitation:
   1) candidate's application for admission to the School;
   2) text of the oath signed by the doctoral student;
   3) decision on placing on the list of doctoral students of the School;
   4) statements made for financial support purposes;
   5) statement on studying in one doctoral school and not being employed as a lecturer or researcher, in accordance with the Act;
   6) statement on holding the ORCID iD;
   7) doctoral student's IRP established in accordance with these Regulations;
   8) report on conducting the midterm assessment of the doctoral student, drawn up in accordance with these Regulations;

9) statements and reports that the doctoral students is obliged to submit in accordance with these Regulations, accompanied by the dissertation supervisor's (supervisors') opinions;
10) transcripts of records;
11) individual decisions taken by the Dean regarding the course of education;
12) copies of the documents related to the course of the procedure for awarding a doctoral degree.

3. The Dean shall define the detailed rules for documenting the course of education at the Doctoral School.
4. The documentation of the Council's activities shall include, without limitation, minutes of the Council's sessions and the Council's resolutions.
5. The documentation of the Dean's activities shall include, without limitation, reports on the operations of the School and regulations issued by the Dean.
6. The documentation of the course of the procedure for awarding a degree shall be kept by the office of the relevant faculty.

Chapter VIII
Doctoral student's rights and obligations

§ 17

1. The person admitted to the School shall start their education and shall acquire a doctoral student's right after swearing an **oath**. The wording of the oath shall be established in the Statutes.
   1) The text of the oath in the Polish language:
   Wstępując w poczet doktorantów Uniwersytetu Ekonomicznego we Wrocławiu ślubuję uroczyście:
      - *zdobywać wytrwale wiedzę i umiejętności,*
      - *dbać o godność doktoranta i dobre imię mojej Uczelni,*
      - *szanować jej tradycje,*
      - *przestrzegać zasad współżycia koleżeńskiego i obyczajów akademickich oraz przepisów obowiązujących w Uczelni.*
   2) The text of the oath in the English language:
   Joining the doctoral student community of the Wroclaw University of Economics and Business, I solemnly pledge that I will persevere in:
      - *pursuing knowledge and skills,*
      - *ensuring the doctoral student's dignity and good name of my University,*
      - *respecting its traditions,*
      - *complying with the principles of social co-existence and academic customs, as well as regulations of the University.*
2. After the matriculation, the doctoral student shall receive an electronic doctoral student card.
3. The student card, referred to in item 2, entitles the doctoral student to exercise their rights and it shall be returned when the doctoral student has completed their education or in the case of suspension of their rights or removal from the list of doctoral students. The template of a

student card has been specified in separate regulations.

4. The doctoral student shall have a right to:
   1) receive tutorial guidance from the dissertation supervisor;
   2) change the dissertation supervisor and assistant dissertation supervisor in accordance with the rules stipulated herein;
   3) extend the time limit for submitting the doctoral dissertation, in accordance with the rules stipulated herein;
   4) receive a doctoral scholarship, in accordance with the rules stipulated in the Act;
   5) apply for a financial support provided for in separate regulations;,
   6) participate in the classes provided at the University;
   7) participate, if eligible and admitted, in programmes abroad, with funding provided, under the programmes implemented by the University;
   8) take part in domestic and foreign studies and scientific traineeships;
   9) participate in research conducted by departments;
   10) apply for accommodation in a student dormitory, according to the rules in place at the University;
   11) have holiday breaks that last not more than eight weeks during a year and that should be taken at the time when there are no teaching classes;
   12) make use of the libraries and reading rooms available at the University, according to the rules applicable to the academic staff;
   13) do internships or traineeships in the form described in the curriculum and in the Individual Research Plan.

§ 18

The doctoral student shall be obliged to:
   1) act in compliance with the oath and the Regulations;
   2) respect the regulations in place at the University;
   3) take care for the reputation of the University;
   4) observe the European code of ethics for researchers;
   5) notify the School immediately of any change to the surname and residence address and also to any other data required by the University;
   6) submit statements and reports on their duties and other achievements as stipulated herein;
   7) take part in the organizational activities of the School;
   8) submit a medical certificate issued by an occupational health physician on the lack of counter-indications to participating in the programmes that involve exposure to harmful agents;
   9) hold an ORCID iD;
   10) use an electronic mail address created in the University's domain;
   11) do an internship by conducting classes or taking part in teaching classes for a maximum of 60 teaching hours a year if such internship has been stipulated in the curriculum and IRP;
   12) have consultation hours;
   13) submit the doctoral dissertation within the time limit set in the IRP;

14) complete the "Industrial doctorate" programme in accordance with the agreement signed between the University and the minister in charge of science, tripartite agreement between the doctoral student, their employer and the University, and rules of the programme announced by the minister in charge of science (it applies to doctoral students admitted to the Doctoral School to the "Industrial doctorate" programme).

Chapter VIIIa
Internships

§ 18a

1. The doctoral student shall be obliged to do an internship by conducting classes or taking part in the classes conducted by a lecturer.
2. The purpose of internship is to prepare the doctoral student to conduct classes at an academic level in the selected areas of the given academic discipline, making use of modern methods and tools.

§ 18b

1. The internship shall comprise 60 hours per academic year. The internship shall be carried out from the first to the eighth semester for not more than 240 hours in total.
2. The doctoral student's internship shall include:
   1) 24 hours of classes conducted on their own and 36 hours of participation in conducting classes during the first year of education at the School;
   2) 48 hours of classes conducted on their own and 12 hours of participation in conducting classes during the second, third and fourth year of education at the School.
3. The Dean of the School in consultation with the Dean for Academic Programmes shall decide on the number and type of classes to be conducted. With regard to the doctoral student's participation in the classes conducted by a lecturer, the dissertation supervisor shall decide on the number and type of such classes, list the classes in which the doctoral student has to participate, and pass this information to the Doctoral School Office one week before the start of a semester, except for the first semester when such participation starts immediately after the recruitment has been finished.
4. Should the doctoral student conduct classes on their own for more hours than specified in items 2.1 and 2.2, remuneration will be paid on account of that, pursuant to the agreement concluded with the Wroclaw University of Economics and Business, in accordance with provisions of law applicable to the University.
5. Should the doctoral student defend their doctoral dissertation sooner than after four years of education at the School, the required number of internship hours will be reduced on a pro-rata basis, respecting the proportion of classes conducted by the doctoral student on their own to these conducted by lecturers in which the doctoral student participates.

SENATE

§ 18c

The doctoral student shall have consultation hours as scheduled at the University.

Chapter IX
Doctoral students with disabilities

§ 19

For the doctoral students with disabilities, the University shall ensure, as far as possible, the appropriate conditions for taking part in classes and passing them, taking into account the extent of their disability.

Chapter X
Interim and final provisions

§ 20

1. The internship for the doctoral students who started their education at the School in the academic year 2019/2020 will be carried out according to the rules already in place, i.e. 45 hours of classes conducted by the doctoral students on their own and 15 hours of participation in conducting classes and for the industrial doctorate, 10 hours of classes conducted by the doctoral students on their own and 50 hours of participation in conducting classes.
2. Decisions on the matters regarding the rules and mode of receiving education at the School that have not been stipulated herein or in other provisions of law shall be taken by the Dean ex officio or upon the doctoral student's request.

§ 21

The Doctoral School Office shall provide administrative services for the School.

§ 22

The Regulations shall come into effect as of 1 October 2021.

SENATE

RESOLUTION NO. R.0000.15.2022

adopted by the SENATE of the WROCLAW UNIVERSITY OF ECONOMICS AND BUSINESS

on 21 April 2022

regarding

the passing of changes to the Regulations for the Doctoral School of the Wroclaw University of Economics and Business

§ 1

In the Regulations for the Doctoral School of the Wroclaw University of Economics and Business, forming Attachment no. 1 to Resolution No. R.0000.58.2019 of 31 May 2019, as amended, the following changes will be adopted:

1. In Para.10a item 4 will be added with the following wording:
   "any changes regarding the title and concept of the doctoral dissertation and the contents of the Individual Research Plan, to be made after 12 months from the start of education, shall be approved by the Dean in consultation with the dissertation supervisor (supervisors). In exceptional cases the Dean may ask the Council of the Doctoral School for their opinion."
2. In Para. 18, item 14 will be added with the following wording:
   "complete the "Industrial doctorate" programme in accordance with the agreement signed between the University and the minister in charge of science, tripartite agreement between the doctoral student, their employer and the University, and rules of the programme announced by the minister in charge of science (it applies to doctoral students admitted to the Doctoral School to the "Industrial doctorate" programme)".

§ 2

The consolidated Regulations for the Doctoral School of the Wroclaw University of Economics and Business form an attachment hereto.

§ 3

The Resolution will come into effect on 1 October 2022 and it will be applicable from the academic year 2022/2023.

Rector

Prof. Andrzej Kaleta, PhD, Habil.

SENATE

Attachment No. 1 to Resolution No.R.0000.15.2022 of 21 April 2022.

Regulations for the Doctoral School of the Wroclaw University of Economics and Business

Chapter I
General provisions

§ 1

These Regulations shall define the organization of education at the Doctoral School of the Wroclaw University of Economics and Business.

§ 2

The following terms used in these Regulations shall have the meaning:

1. Act – Act of 20 July 2018 – Law on Higher Education and Science (Dz. U. /Journal of Laws/ 2018, item 1668, as amended);
2. University – Wroclaw University of Economics and Business (WUEB);
3. Statutes – Statutes of the Wroclaw University of Economics and Business;
4. Senate – Senate of the Wroclaw University of Economics and Business;
5. Rector – Rector of the Wroclaw University of Economics and Business;
6. School – Doctoral School of the Wroclaw University of Economics and Business;
7. Discipline Council – Discipline Scientific Council operating at the University;
8. Council – Council of the Doctoral School;
9. Dean – Dean of the Doctoral School;
10. Vice-Dean – Vice-Dean of the Doctoral School;
11. Curriculum – curriculum at the Doctoral School;
12. IRP – Individual Research Plan;
13. Self-Government – Self-Government of Doctoral Students of the Wroclaw University of Economics and Business.

§ 3

1. The School shall educate doctoral students and prepare them for obtaining a doctoral degree.
2. The procedure for conferring a doctoral degree is set out in separate regulations.
3. A person holding a (professional title) master's degree or master of science degree, engineer, or an equivalent thereof, or a person referred to in Art. 186.2 of the Act may be admitted to the School.

§ 4

1. There is a Council operating at the School.
2. The Rector shall appoint the Council upon the Dean's request, evaluated by the Vice-Rector for Research, and shall determine the detailed scope of its operation.

3. The Council shall be composed of:
   1) Dean as the Chairperson;
   2) one representative of each discipline taught at the School, evaluated by the relevant Faculty Council;
   3) Vice-Rector for Research or a person designated by this Vice-Rector;
   4) Dean or Vice-Dean of the faculty conducting research in the discipline taught at the School;
   5) one representative of doctoral students, designated by their Self-Government.
4. In justified cases, the Rector may appoint also other persons as members of the Council, setting out the rules for their participation in the work of the Council.
5. The Rector shall appoint the Council for the time till the end of the Rector's term of office.
6. The Council shall perform evaluation and advisory functions. Its tasks shall include, without limitation, evaluating amendments to the Regulations for the Doctoral School, rules for recruitment of doctoral students and decisions concerning curricula.
7. Resolutions of the Council shall be adopted by simple majority vote, provided at least one half of its members are present. In the case of a tie, the Chairperson shall have a casting vote.
8. The Council shall pass a resolution on the regulations establishing the mode of its operation.

§ 5

1. Doctoral students educated at the School shall be members of the Self-Government of Doctoral Students.
2. The scope of activities of the Self-Government of Doctoral Students shall be defined by its regulations.

Chapter II
Organization of education at the Doctoral School

§ 6

1. The School shall be managed by the Dean.
2. Upon the Dean's request, the Rector may appoint a Vice-Dean for the time till the end of the Rector's term of office.
3. The Dean shall determine the scope of tasks of the Vice-Dean, if appointed.

§ 7

1. Education at the School shall last four years and shall be divided into semesters.
2. An academic year shall consist of two semesters, winter and summer ones. The Rector, by way of a regulation, shall establish the framework structure of an academic year, including the start and end dates of classes.
3. The basis for education at the School shall be formed by the curriculum and the IRP.
4. The curriculum determines the learning outcomes for level 8 qualifications according to the Polish Qualifications Framework, duration of education and way of completing the educational process.
5. A motion to create, change or cancel a curriculum shall be put forward by the Dean or by the

Dean on behalf of the Faculty Council relevant for the discipline represented at the School.

6. A change to the curriculum concerning the discipline represented at the School shall be evaluated by the relevant Faculty Council.
7. The curriculum shall specify, without limitation:
   1) discipline or disciplines which are taught and in which a doctoral dissertation is prepared;
   2) conditions of implementing the curriculum;
   3) mandatory and elective courses, including their assigned ECTS points;
   4) ways of verifying learning outcomes.

§ 8 (repealed)

Chapter III
Dissertation supervisor

§ 9

1. Academic supervision over the preparation of a doctoral dissertation shall be exercised by a dissertation supervisor or supervisors or by a dissertation supervisor and assistant supervisor, if appointed.
2. The Dean shall publish the list of dissertation supervisors on the website of the School concurrently with the announcement of recruitment rules and mode.
3. The dissertation supervisor may be a person employed with the WUEB who:
   1) holds a postdoctoral degree (habilitation) or a title of Professor;
   2) has declared in the submitted statement that at least 75% of time for research will be devoted to the discipline which is taught and in which a doctoral dissertation is prepared or to the related discipline,
   3) meets one of the two conditions: has been a dissertation supervisor for at least one conferred doctor's degree or is the author/co-author of at least two papers published during the last two calendar years preceding the year of recruitment, each valued at 40 points at a minimum, in the discipline taught at the School. Each publication shall meet the criteria established in Art. 265.9.2. of the Act and, to determine the value of the achievement in terms of points, the scoring given in the list of journals and conferences held abroad, valid in the year of publication, shall be applied.
4. The dissertation supervisor may be a person who does not satisfy the conditions stipulated in item 3, provided they have obtained a favourable evaluation from the Council of the Doctoral School. In such case the second dissertation supervisor who satisfies the conditions stipulated in item 3 shall be appointed.
5. The maximum number of doctoral students concurrently supervised by the dissertation supervisor at the School shall be four, however, not more than two during one edition.
6. The dissertation supervisor's tasks shall include, without limitation, academic supervision over the preparation of a doctoral dissertation and the assessment of the doctoral student's academic progress.
7. The assistant dissertation supervisor may be a person holding a doctoral degree in the discipline concerned or related discipline and having experience of research work who is not authorized

to perform independently the function of a dissertation supervisor in the procedure for awarding a doctoral degree.

8. The assistant dissertation supervisor's tasks shall comprise, without limitation, performing auxiliary activities in the process of supervising a doctoral student, in consultation with the dissertation supervisor, including the activities related to designing and conducting research and analysing its outcomes.
9. The assistant dissertation supervisor may perform their function for not more than two doctoral students of the School.

§ 10

1. The dissertation supervisor (supervisors) shall be appointed by the Dean, upon the doctoral student's request, not later than three months after the doctoral student started their education at the School.
2. In the case where the dissertation supervisor is not employed with the WUEB, the request shall include the information about research and papers published by the candidate for a dissertation supervisor.
3. The doctoral student shall submit a request for appointing a dissertation supervisor (supervisors) not later than 14 days before the deadline mentioned in item 1. The candidate for a dissertation supervisor shall grant their consent to performing this function as part of the request.
4. The assistant dissertation supervisor shall be appointed by the Dean, upon the dissertation supervisor's request. The candidate for an assistant dissertation supervisor shall grant their consent to performing this function as part of the request.
5. If the doctoral student fails to submit a request to appoint the dissertation supervisor (supervisors) within the time limit specified in item 3, the Dean shall appoint the dissertation supervisor instantly. The doctoral student shall be informed immediately of appointing the dissertation supervisor.
6. Upon the justified request of the dissertation supervisor or doctoral student or acting on their own initiative the Dean may change the dissertation supervisor.
7. Upon the justified request of the dissertation supervisor (supervisors) or assistant dissertation supervisor or doctoral student, the Dean may change or dismiss the assistant dissertation supervisor without designating anyone in their place.

§ 10a

1. Upon the written request of the dissertation supervisor or doctoral student, a doctoral committee may by appointed by the Dean for the doctoral student, to assess the doctoral student's progress in implementing the Individual Research Plan and to provide additional substantive support for the educational process, particularly in the case where the doctoral dissertation is interdisciplinary or involves several fields of science.
2. The doctoral committee shall be composed of the dissertation supervisor or supervisors, the assistant dissertation supervisor, if appointed, and also two members holding a postdoctoral degree (habilitation) at a minimum. One of the latter may represent the discipline other than

the one in which the doctoral dissertation is prepared.

3. The doctoral committee shall submit to the Dean their opinion on the implementation of the Individual Research Plan.
4. Any changes regarding the title and concept of the doctoral dissertation and the contents of the Individual Research Plan, to be made after 12 months from the start of education, shall be approved by the Dean in consultation with the dissertation supervisor (supervisors). In exceptional cases the Dean may ask the Council of the Doctoral School for their opinion.

Chapter IV
Midterm assessment method

§ 11

1. The doctoral student, in consultation with the dissertation supervisor (supervisors) and assistant dissertation supervisor, if appointed, shall work out an Individual Research Plan (IRP) containing, without limitation:
   1) schedule for preparing a doctoral dissertation, divided into years and semesters;
   2) deadline for the submission of the doctoral dissertation, by 30 September of the final year of education at the latest;
   3) research problem to be resolved in the doctoral dissertation, justification of the research problem, objectives of the dissertation and research questions or hypotheses;
   4) description of *metodyka*[1] of research, planned to resolve the research problem;
   5) bibliography;
   6) structure of the doctoral dissertation.
2. Having obtained the opinion of the Council, the Dean shall determine the detailed structure of the IRP, including its component parts.
3. Within a period of twelve months from the start of education, the doctoral student shall submit to the Dean the IRP approved by the dissertation supervisor/supervisors and evaluated by the assistant dissertation supervisor, if appointed.
4. The completion of the IRP shall be subject to midterm assessment.
5. The midterm assessment shall be made by an evaluation commission appointed by the Dean in consultation with the Chairperson of the relevant discipline Council. The doctoral student's dissertation supervisor (supervisors) and assistant dissertation supervisor shall not participate in the work of the commission.
6. The doctoral student shall present a report on implementing the IRP and curriculum 30 days before the planned session of the commission at the latest.
7. During the session of the evaluation commission, the doctoral student shall present the research outcomes. The presentation shall be followed by the discussion with the doctoral student.
8. The result of midterm assessment shall be determined by the commission during the closed part of their session.
9. The result of midterm assessment may be positive or negative and it shall be disclosed to the

[1] standardised approach making use of a set of methods; general rules of operation

doctoral student after the session of the commission. The assessment shall be accompanied by its justification.

10. The result of assessment, including its justification, shall be open.
11. A report shall be drawn up on conducting the midterm assessment.
12. The Dean may also arrange a periodical assessment, setting out its procedure and scope.

§ 12

1. Pursuant to Para. 7.2 hereof, a semester shall be a period subject to assessment.
2. The successful completion of a semester in a given academic year shall depend on obtaining the learning outcomes, i.e. passing mandatory and elective courses specified in the curriculum.
3. The course syllabuses shall define the conditions and mode of participating in classes, including the way of obtaining a pass and sitting for an exam.
4. The following grading scale, compliant with the European Credit Transfer System (ECTS), shall be established:

Grade	Numerical equivalent	Letter grade
Very good	5.0	A
Good plus	4.5	B
Good	4.0	C
Satisfactory plus	3.5	D
Satisfactory	3.0	E
Unsatisfactory	2.0	F

5. Positive grades, meaning that a course has been passed, include: very good (A), good plus (B), good (C), satisfactory plus (D), and satisfactory (E). A negative grade, meaning that a course has been failed, is an unsatisfactory grade (F). Some courses, stipulated in the curriculum, may be passed without any grade (pass/fail).
6. In the case of obtaining an unsatisfactory grade (F) for a given course and then passing this course as a result of taking a resit, the final grade for the course shall be determined as an arithmetic mean of the grades obtained for the course, which may not be lower than a satisfactory grade (E).
7. In the case of failing a course stipulated in the curriculum, the doctoral student shall have a right to one resit. The dates for reassessment for a pass/resit exam shall be determined by the course lecturer in accordance with the schedule for a reassessment/resit session.
8. The course grades shall be entered by the course lecturer to the University Student Service System (USOS), within the time limits set out at the University.

SENATE

Chapter V
Extension of the time limit for submitting a doctoral dissertation

§ 13

1. Upon the doctoral student's request, having obtained the dissertation supervisor's opinion, the Dean may consent to extending the time limit for submitting the doctoral dissertation, thus exceeding the time stipulated in the IRP, but for no longer than two years in total, in the case of:
   1) temporary incapability of completing the curriculum or conducting research due to illness;
   2) necessity of taking personal care of a sick family member;
   3) necessity of taking personal care of a child below four years of age or a child with a diagnosed disability;
   4) holding a disability certificate with a recognized degree of disability;
   5) necessity of continuing research for the doctoral dissertation, resulting from justified reasons;
   6) participation in a research grant awarded in the competition organized by a Polish or foreign institution funding research.
2. During the extension period, the doctoral student shall retain all their rights and obligations.

§ 14

1. Upon the doctoral student's request, the Dean may suspend their education at the School for the duration of a maternity, adoption, paternity and parental leave, as stipulated in the Act of 26 June 1974, the Labour Code, releasing also the doctoral student from the obligation to attend classes.
2. The doctoral student shall submit a written request, supported by the relevant documentation, not later than within a period of 14 days as of the occurrence of the circumstances referred to in item 1.
3. Consenting to a suspension from education for a period different from an academic year, the Dean shall set out the conditions for continuing education binding on the doctoral student after a period of suspension, including, without limitation, time limits for fulfilling the obligations stipulated in these Regulations. The Dean shall inform the doctoral student in writing of the conditions for continuing their education.
4. Within the period of seven days as of the end of the suspension period, the doctoral student shall submit their declaration on continuing studies or withdrawing from them. The failure to submit the said declaration shall be the basis for starting the procedure to remove from the list of doctoral students.
5. During the period of suspension, the doctoral student shall be completing neither their curriculum nor IRP, while retaining the doctoral student's rights.

SENATE

Chapter VI
Removal from the list of doctoral students

§ 15

1. The Dean shall remove a student from the list of doctoral students in the case of:
   1) negative result of a midterm assessment;
   2) failure to submit a doctoral dissertation within the time limit set in the Individual Research Plan (IRP);
   3) withdrawal from studies;
2. The Dean may remove a student from the list of doctoral students in the case of:
   1) unsatisfactory progress in preparing a doctoral dissertation;
   2) failure to observe the Regulations for the School;
   3) lack of or unsatisfactory progress in completing the curriculum or the IRP.
3. The doctoral student shall have a right to appeal against the decision referred to in item 1.
4. The doctoral student shall not have a right to retake a course or semester or to restart education after being removed from the list of doctoral students.
5. The person removed from the list of doctoral students shall be obliged to return immediately any books, materials or other items that are the University's property, including, without limitation, a doctoral student card, and to fulfil all financial obligations to the University.
6. The statement on discontinuance of education shall be filed in a written form with the Doctoral School Office.
7. The status of a doctoral student at the School shall be held by the time of:
   1) completion of education by submitting the doctoral dissertation;
   2) valid removal from the list of doctoral students.

Chapter VII
Documentation of the course of education

§ 16

1. The course of education at the School shall be recorded in the doctoral student's personal file. Such file may be kept in an electronic form.
2. The doctoral student's personal file shall contain, without limitation:
   1) candidate's application for admission to the School;
   2) text of the oath signed by the doctoral student;
   3) decision on placing on the list of doctoral students of the School;
   4) statements made for financial support purposes;
   5) statement on studying in one doctoral school and not being employed as a lecturer or researcher, in accordance with the Act;
   6) statement on holding the ORCID iD;
   7) doctoral student's IRP established in accordance with these Regulations;
   8) report on conducting the midterm assessment of the doctoral student, drawn up in accordance with these Regulations;

9) statements and reports that the doctoral students is obliged to submit in accordance with these Regulations, accompanied by the dissertation supervisor's (supervisors') opinions;
10) transcripts of records;
11) individual decisions taken by the Dean regarding the course of education;
12) copies of the documents related to the course of the procedure for awarding a doctoral degree.

3. The Dean shall define the detailed rules for documenting the course of education at the Doctoral School.
4. The documentation of the Council's activities shall include, without limitation, minutes of the Council's sessions and the Council's resolutions.
5. The documentation of the Dean's activities shall include, without limitation, reports on the operations of the School and regulations issued by the Dean.
6. The documentation of the course of the procedure for awarding a degree shall be kept by the office of the relevant faculty.

Chapter VIII
Doctoral student's rights and obligations

§ 17

1. The person admitted to the School shall start their education and shall acquire a doctoral student's right after swearing an oath. The wording of the oath shall be established in the Statutes.
   1) The text of the oath in the Polish language:
   Wstępując w poczet doktorantów Uniwersytetu Ekonomicznego we Wrocławiu ślubuję uroczyście:
      - *zdobywać wytrwale wiedzę i umiejętności,*
      - *dbać o godność doktoranta i dobre imię mojej Uczelni,*
      - *szanować jej tradycje,*
      - *przestrzegać zasad współżycia koleżeńskiego i obyczajów akademickich oraz przepisów obowiązujących w Uczelni.*
   2) The text of the oath in the English language:
   Joining the doctoral student community of the Wroclaw University of Economics and Business, I solemnly pledge that I will persevere in:
      - *pursuing knowledge and skills,*
      - *ensuring the doctoral student's dignity and good name of my University,*
      - *respecting its traditions,*
      - *complying with the principles of social co-existence and academic customs, as well as regulations of the University.*
2. After the matriculation, the doctoral student shall receive an electronic doctoral student card.
3. The student card, referred to in item 2, entitles the doctoral student to exercise their rights and it shall be returned when the doctoral student has completed their education or in the case of suspension of their rights or removal from the list of doctoral students. The template of a

student card has been specified in separate regulations.

4. The doctoral student shall have a right to:
   1) receive tutorial guidance from the dissertation supervisor;
   2) change the dissertation supervisor and assistant dissertation supervisor in accordance with the rules stipulated herein;
   3) extend the time limit for submitting the doctoral dissertation, in accordance with the rules stipulated herein;
   4) receive a doctoral scholarship, in accordance with the rules stipulated in the Act;
   5) apply for a financial support provided for in separate regulations;,
   6) participate in the classes provided at the University;
   7) participate, if eligible and admitted, in programmes abroad, with funding provided, under the programmes implemented by the University;
   8) take part in domestic and foreign studies and scientific traineeships;
   9) participate in research conducted by departments;
   10) apply for accommodation in a student dormitory, according to the rules in place at the University;
   11) have holiday breaks that last not more than eight weeks during a year and that should be taken at the time when there are no teaching classes;
   12) make use of the libraries and reading rooms available at the University, according to the rules applicable to the academic staff;
   13) do internships or traineeships in the form described in the curriculum and in the Individual Research Plan.

§ 18

The doctoral student shall be obliged to:
   1) act in compliance with the oath and the Regulations;
   2) respect the regulations in place at the University;
   3) take care for the reputation of the University;
   4) observe the European code of ethics for researchers;
   5) notify the School immediately of any change to the surname and residence address and also to any other data required by the University;
   6) submit statements and reports on their duties and other achievements as stipulated herein;
   7) take part in the organizational activities of the School;
   8) submit a medical certificate issued by an occupational health physician on the lack of counter-indications to participating in the programmes that involve exposure to harmful agents;
   9) hold an ORCID iD;
   10) use an electronic mail address created in the University's domain;
   11) do an internship by conducting classes or taking part in teaching classes for a maximum of 60 teaching hours a year if such internship has been stipulated in the curriculum and IRP;
   12) have consultation hours;
   13) submit the doctoral dissertation within the time limit set in the IRP;

14) complete the "Industrial doctorate" programme in accordance with the agreement signed between the University and the minister in charge of science, tripartite agreement between the doctoral student, their employer and the University, and rules of the programme announced by the minister in charge of science (it applies to doctoral students admitted to the Doctoral School to the "Industrial doctorate" programme).

Chapter VIIIa
Internships

§ 18a

1. The doctoral student shall be obliged to do an internship by conducting classes or taking part in the classes conducted by a lecturer.
2. The purpose of internship is to prepare the doctoral student to conduct classes at an academic level in the selected areas of the given academic discipline, making use of modern methods and tools.

§ 18b

1. The internship shall comprise 60 hours per academic year. The internship shall be carried out from the first to the eighth semester for not more than 240 hours in total.
2. The doctoral student's internship shall include:
   1) 24 hours of classes conducted on their own and 36 hours of participation in conducting classes during the first year of education at the School;
   2) 48 hours of classes conducted on their own and 12 hours of participation in conducting classes during the second, third and fourth year of education at the School.
3. The Dean of the School in consultation with the Dean for Academic Programmes shall decide on the number and type of classes to be conducted. With regard to the doctoral student's participation in the classes conducted by a lecturer, the dissertation supervisor shall decide on the number and type of such classes, list the classes in which the doctoral student has to participate, and pass this information to the Doctoral School Office one week before the start of a semester, except for the first semester when such participation starts immediately after the recruitment has been finished.
4. Should the doctoral student conduct classes on their own for more hours than specified in items 2.1 and 2.2, remuneration will be paid on account of that, pursuant to the agreement concluded with the Wroclaw University of Economics and Business, in accordance with provisions of law applicable to the University.
5. Should the doctoral student defend their doctoral dissertation sooner than after four years of education at the School, the required number of internship hours will be reduced on a pro-rata basis, respecting the proportion of classes conducted by the doctoral student on their own to these conducted by lecturers in which the doctoral student participates.

§ 18c

The doctoral student shall have consultation hours as scheduled at the University.

Chapter IX
Doctoral students with disabilities

§ 19

For the doctoral students with disabilities, the University shall ensure, as far as possible, the appropriate conditions for taking part in classes and passing them, taking into account the extent of their disability.

Chapter X
Interim and final provisions

§ 20

1. The internship for the doctoral students who started their education at the School in the academic year 2019/2020 will be carried out according to the rules already in place, i.e. 45 hours of classes conducted by the doctoral students on their own and 15 hours of participation in conducting classes and for the industrial doctorate, 10 hours of classes conducted by the doctoral students on their own and 50 hours of participation in conducting classes.
2. Decisions on the matters regarding the rules and mode of receiving education at the School that have not been stipulated herein or in other provisions of law shall be taken by the Dean ex officio or upon the doctoral student's request.

§ 21

The Doctoral School Office shall provide administrative services for the School.

§ 22

The Regulations shall come into effect as of 1 October 2022.

SENATE

RESOLUTION NO. R.0000.85.2023

adopted by the SENATE of the WROCLAW UNIVERSITY OF ECONOMICS AND BUSINESS

on 18 December 2023

regarding

the passing of changes to the Regulations for the Doctoral School of the Wroclaw University of Economics and Business

§ 1

In the Regulations for the Doctoral School of the Wroclaw University of Economics and Business, forming Attachment no. 1 to Resolution No. R.0000.58.2019 of 31 May 2019, as amended, the following changes will be adopted:

1. In Para. 15, items 1 and 2 will have the wording:

   1. The Dean shall remove a student from the list of doctoral students in the case of:
      1) negative result of a midterm assessment;
      2) failure to submit a doctoral dissertation within the time limit set in the Individual Research Plan (IRP);
      3) withdrawal from studies;
      4) failure to start studying;
      5) violation of a ban referred to in Art. 200.7;
      6) imposition of a disciplinary penalty of expulsion from the doctoral school.
   2. The Dean may remove a student from the list of doctoral students in the case of:
      1) unsatisfactory progress in preparing a doctoral dissertation;
      2) failure to observe the Regulations for the School;
      3) lack of or unsatisfactory progress in completing the curriculum or the IRP.

2. In Para. 16, item 2.5 will have the wording:
   2. The doctoral student's personal file shall contain, without limitation:
      5) statement on studying in one doctoral school.

3. In Para. 18, item 14 will have the wording:
   14) complete the "Industrial doctorate" programme in accordance with the agreement signed between the University and the minister in charge of science, tripartite agreement executed by the doctoral student, their employer and the University, and rules of the programme announced by the minister in charge of science (it applies to doctoral students admitted to the Doctoral School to the "Industrial doctorate" programme).

SENATE

4. Chapter IX will have the wording:

Chapter IX

§ 19

Doctoral students with special needs

1. The conditions for full participation in the life of the University and academic community shall be ensured, without limitation, by the rights and forms of assistance referred to in the Regulations for assistance.
2. The Section for Supporting Persons with Disabilities and the Rector's Deputy for Persons with Disabilities shall be the entities responsible for coordinating activities for persons with special needs, including persons with disabilities.
3. Doctoral students with special needs, including doctoral students with disabilities, who have justified their special needs, shall have the rights and shall be entitled to the services referred to in the Regulations for assistance.
4. Upon the doctoral student's written application and based on the opinion obtained from the Rector's Deputy for Persons with Disabilities, the Dean shall give a decision on the awarded rights and forms of assistance.

5. The title of Chapter X, "Interim and final provisions", will be changed to "Final provisions".

6. In § 20, item 1 has been repealed.

§ 2

The consolidated Regulations for the Doctoral School of the Wroclaw University of Economics and Business form an attachment hereto.

§ 3

The resolution will come into effect on the day of its adoption and it will be applicable from the start of the academic year 2024/2025.

Rector

Prof. Andrzej Kaleta, PhD, Habil.

SENATE

Attachment No. 1 to Resolution No.R.0000.85.2023 of 18 December 2023.

Regulations for the Doctoral School of the Wroclaw University of Economics and Business

Chapter I
General provisions

§ 1

These Regulations shall define the organization of education at the Doctoral School of the Wroclaw University of Economics and Business.

§ 2

The following terms used in these Regulations shall have the meaning:

1. Act – Act of 20 July 2018 – Law on Higher Education and Science (Dz. U. /Journal of Laws/ 2018, item 1668, as amended);
2. University – Wroclaw University of Economics and Business (WUEB);
3. Statutes – Statutes of the Wroclaw University of Economics and Business;
4. Senate – Senate of the Wroclaw University of Economics and Business;
5. Rector – Rector of the Wroclaw University of Economics and Business;
6. School – Doctoral School of the Wroclaw University of Economics and Business;
7. Discipline Council – Discipline Scientific Council operating at the University;
8. Council – Council of the Doctoral School;
9. Dean – Dean of the Doctoral School;
10. Vice-Dean – Vice-Dean of the Doctoral School;
11. Curriculum – curriculum at the Doctoral School;
12. IRP – Individual Research Plan;
13. Self-Government – Self-Government of Doctoral Students of the Wroclaw University of Economics and Business.

§ 3

1. The School shall educate doctoral students and prepare them for obtaining a doctoral degree.
2. The procedure for conferring a doctoral degree is set out in separate regulations.
3. A person holding a (professional title) master's degree or master of science degree, engineer, or an equivalent thereof, or a person referred to in Art. 186.2 of the Act may be admitted to the School.

§ 4

1. There is a Council operating at the School.
2. The Rector shall appoint the Council upon the Dean's request, evaluated by the Vice-Rector for Research, and shall determine the detailed scope of its operation.

3. The Council shall be composed of:
   1) Dean as the Chairperson;
   2) one representative of each discipline taught at the School, evaluated by the relevant Faculty Council;
   3) Vice-Rector for Research or a person designated by this Vice-Rector;
   4) Dean or Vice-Dean of the faculty conducting research in the discipline taught at the School;
   5) one representative of doctoral students, designated by their Self-Government.
4. In justified cases, the Rector may appoint also other persons as members of the Council, setting out the rules for their participation in the work of the Council.
5. The Rector shall appoint the Council for the time till the end of the Rector's term of office.
6. The Council shall perform evaluation and advisory functions. Its tasks shall include, without limitation, evaluating amendments to the Regulations for the Doctoral School, rules for recruitment of doctoral students and decisions concerning curricula.
7. Resolutions of the Council shall be adopted by simple majority vote, provided at least one half of its members are present. In the case of a tie, the Chairperson shall have a casting vote.
8. The Council shall pass a resolution on the regulations establishing the mode of its operation.

§ 5

1. Doctoral students educated at the School shall be members of the Self-Government of Doctoral Students.
2. The scope of activities of the Self-Government of Doctoral Students shall be defined by its regulations.

Chapter II
Organization of education at the Doctoral School

§ 6

1. The School shall be managed by the Dean.
2. Upon the Dean's request, the Rector may appoint a Vice-Dean for the time till the end of the Rector's term of office.
3. The Dean shall determine the scope of tasks of the Vice-Dean, if appointed.

§ 7

1. Education at the School shall last four years and shall be divided into semesters.
2. An academic year shall consist of two semesters, winter and summer ones. The Rector, by way of a regulation, shall establish the framework structure of an academic year, including the start and end dates of classes.
3. The basis for education at the School shall be formed by the curriculum and the IRP.
4. The curriculum determines the learning outcomes for level 8 qualifications according to the Polish Qualifications Framework, duration of education and way of completing the educational process.
5. A motion to create, change or cancel a curriculum shall be put forward by the Dean or by the

Dean on behalf of the Faculty Council relevant for the discipline represented at the School.

6. A change to the curriculum concerning the discipline represented at the School shall be evaluated by the relevant Faculty Council.
7. The curriculum shall specify, without limitation:
   1) discipline or disciplines which are taught and in which a doctoral dissertation is prepared;
   2) conditions of implementing the curriculum;
   3) mandatory and elective courses, including their assigned ECTS points;
   4) ways of verifying learning outcomes.

§ 8 (repealed)

Chapter III
Dissertation supervisor

§ 9

1. Academic supervision over the preparation of a doctoral dissertation shall be exercised by a dissertation supervisor or supervisors or by a dissertation supervisor and assistant supervisor, if appointed.
2. The Dean shall publish the list of dissertation supervisors on the website of the School concurrently with the announcement of recruitment rules and mode.
3. The dissertation supervisor may be a person employed with the WUEB who:
   1) holds a postdoctoral degree (habilitation) or a title of Professor;
   2) has declared in the submitted statement that at least 75% of time for research will be devoted to the discipline which is taught and in which a doctoral dissertation is prepared or to the related discipline,
   3) meets one of the two conditions: has been a dissertation supervisor for at least one conferred doctor's degree or is the author/co-author of at least two papers published during the last two calendar years preceding the year of recruitment, each valued at 40 points at a minimum, in the discipline taught at the School. Each publication shall meet the criteria established in Art. 265.9.2. of the Act and, to determine the value of the achievement in terms of points, the scoring given in the list of journals and conferences held abroad, valid in the year of publication, shall be applied.
4. The dissertation supervisor may be a person who does not satisfy the conditions stipulated in item 3, provided they have obtained a favourable evaluation from the Council of the Doctoral School. In such case the second dissertation supervisor who satisfies the conditions stipulated in item 3 shall be appointed.
5. The maximum number of doctoral students concurrently supervised by the dissertation supervisor at the School shall be four, however, not more than two during one edition.
6. The dissertation supervisor's tasks shall include, without limitation, academic supervision over the preparation of a doctoral dissertation and the assessment of the doctoral student's academic progress.
7. The assistant dissertation supervisor may be a person holding a doctoral degree in the discipline concerned or related discipline and having experience of research work who is not authorized

to perform independently the function of a dissertation supervisor in the procedure for awarding a doctoral degree.

8. The assistant dissertation supervisor's tasks shall comprise, without limitation, performing auxiliary activities in the process of supervising a doctoral student, in consultation with the dissertation supervisor, including the activities related to designing and conducting research and analysing its outcomes.
9. The assistant dissertation supervisor may perform their function for not more than two doctoral students of the School.

§ 10

1. The dissertation supervisor (supervisors) shall be appointed by the Dean, upon the doctoral student's request, not later than three months after the doctoral student started their education at the School.
2. In the case where the dissertation supervisor is not employed with the WUEB, the request shall include the information about research and papers published by the candidate for a dissertation supervisor.
3. The doctoral student shall submit a request for appointing a dissertation supervisor (supervisors) not later than 14 days before the deadline mentioned in item 1. The candidate for a dissertation supervisor shall grant their consent to performing this function as part of the request.
4. The assistant dissertation supervisor shall be appointed by the Dean, upon the dissertation supervisor's request. The candidate for an assistant dissertation supervisor shall grant their consent to performing this function as part of the request.
5. If the doctoral student fails to submit a request to appoint the dissertation supervisor (supervisors) within the time limit specified in item 3, the Dean shall appoint the dissertation supervisor instantly. The doctoral student shall be informed immediately of appointing the dissertation supervisor.
6. Upon the justified request of the dissertation supervisor or doctoral student or acting on their own initiative the Dean may change the dissertation supervisor.
7. Upon the justified request of the dissertation supervisor (supervisors) or assistant dissertation supervisor or doctoral student, the Dean may change or dismiss the assistant dissertation supervisor without designating anyone in their place.

§ 10a

1. Upon the written request of the dissertation supervisor or doctoral student, a doctoral committee may by appointed by the Dean for the doctoral student, to assess the doctoral student's progress in implementing the Individual Research Plan and to provide additional substantive support for the educational process, particularly in the case where the doctoral dissertation is interdisciplinary or involves several fields of science.
2. The doctoral committee shall be composed of the dissertation supervisor or supervisors, the assistant dissertation supervisor, if appointed, and also two members holding a postdoctoral degree (habilitation) at a minimum. One of the latter may represent the discipline other than

the one in which the doctoral dissertation is prepared.

3. The doctoral committee shall submit to the Dean their opinion on the implementation of the Individual Research Plan.
4. Any changes regarding the title and concept of the doctoral dissertation and the contents of the Individual Research Plan, to be made after 12 months from the start of education, shall be approved by the Dean in consultation with the dissertation supervisor (supervisors). In exceptional cases the Dean may ask the Council of the Doctoral School for their opinion.

Chapter IV
Midterm assessment method

§ 11

1. The doctoral student, in consultation with the dissertation supervisor (supervisors) and assistant dissertation supervisor, if appointed, shall work out an Individual Research Plan (IRP) containing, without limitation:
   1) schedule for preparing a doctoral dissertation, divided into years and semesters;
   2) deadline for the submission of the doctoral dissertation, by 30 September of the final year of education at the latest;
   3) research problem to be resolved in the doctoral dissertation, justification of the research problem, objectives of the dissertation and research questions or hypotheses;
   4) description of *metodyka*[1] of research, planned to resolve the research problem;
   5) bibliography;
   6) structure of the doctoral dissertation.
2. Having obtained the opinion of the Council, the Dean shall determine the detailed structure of the IRP, including its component parts.
3. Within a period of twelve months from the start of education, the doctoral student shall submit to the Dean the IRP approved by the dissertation supervisor/supervisors and evaluated by the assistant dissertation supervisor, if appointed.
4. The completion of the IRP shall be subject to midterm assessment.
5. The midterm assessment shall be made by an evaluation commission appointed by the Dean in consultation with the Chairperson of the relevant discipline Council. The doctoral student's dissertation supervisor (supervisors) and assistant dissertation supervisor shall not participate in the work of the commission.
6. The doctoral student shall present a report on implementing the IRP and curriculum 30 days before the planned session of the commission at the latest.
7. During the session of the evaluation commission, the doctoral student shall present the research outcomes. The presentation shall be followed by the discussion with the doctoral student.
8. The result of midterm assessment shall be determined by the commission during the closed part of their session.
9. The result of midterm assessment may be positive or negative and it shall be disclosed to the

[1] standardised approach making use of a set of methods; general rules of operation

doctoral student after the session of the commission. The assessment shall be accompanied by its justification.

10. The result of assessment, including its justification, shall be open.
11. A report shall be drawn up on conducting the midterm assessment.
12. The Dean may also arrange a periodical assessment, setting out its procedure and scope.

§ 12

1. Pursuant to Para. 7.2 hereof, a semester shall be a period subject to assessment.
2. The successful completion of a semester in a given academic year shall depend on obtaining the learning outcomes, i.e. passing mandatory and elective courses specified in the curriculum.
3. The course syllabuses shall define the conditions and mode of participating in classes, including the way of obtaining a pass and sitting for an exam.
4. The following grading scale, compliant with the European Credit Transfer System (ECTS), shall be established:

Grade	Numerical equivalent	Letter grade
Very good	5.0	A
Good plus	4.5	B
Good	4.0	C
Satisfactory plus	3.5	D
Satisfactory	3.0	E
Unsatisfactory	2.0	F

5. Positive grades, meaning that a course has been passed, include: very good (A), good plus (B), good (C), satisfactory plus (D), and satisfactory (E). A negative grade, meaning that a course has been failed, is an unsatisfactory grade (F). Some courses, stipulated in the curriculum, may be passed without any grade (pass/fail).
6. In the case of obtaining an unsatisfactory grade (F) for a given course and then passing this course as a result of taking a resit, the final grade for the course shall be determined as an arithmetic mean of the grades obtained for the course, which may not be lower than a satisfactory grade (E).
7. In the case of failing a course stipulated in the curriculum, the doctoral student shall have a right to one resit. The dates for reassessment for a pass/resit exam shall be determined by the course lecturer in accordance with the schedule for a reassessment/resit session.
8. The course grades shall be entered by the course lecturer to the University Student Service System (USOS), within the time limits set out at the University.

SENATE

Chapter V
Extension of the time limit for submitting a doctoral dissertation

§ 13

1. Upon the doctoral student's request, having obtained the dissertation supervisor's opinion, the Dean may consent to extending the time limit for submitting the doctoral dissertation, thus exceeding the time stipulated in the IRP, but for no longer than two years in total, in the case of:
   1) temporary incapability of completing the curriculum or conducting research due to illness;
   2) necessity of taking personal care of a sick family member;
   3) necessity of taking personal care of a child below four years of age or a child with a diagnosed disability;
   4) holding a disability certificate with a recognized degree of disability;
   5) necessity of continuing research for the doctoral dissertation, resulting from justified reasons;
   6) participation in a research grant awarded in the competition organized by a Polish or foreign institution funding research.
2. During the extension period, the doctoral student shall retain all their rights and obligations.

§ 14

1. Upon the doctoral student's request, the Dean may suspend their education at the School for the duration of a maternity, adoption, paternity and parental leave, as stipulated in the Act of 26 June 1974, the Labour Code, releasing also the doctoral student from the obligation to attend classes.
2. The doctoral student shall submit a written request, supported by the relevant documentation, not later than within a period of 14 days as of the occurrence of the circumstances referred to in item 1.
3. Consenting to a suspension from education for a period different from an academic year, the Dean shall set out the conditions for continuing education binding on the doctoral student after a period of suspension, including, without limitation, time limits for fulfilling the obligations stipulated in these Regulations. The Dean shall inform the doctoral student in writing of the conditions for continuing their education.
4. Within the period of seven days as of the end of the suspension period, the doctoral student shall submit their declaration on continuing studies or withdrawing from them. The failure to submit the said declaration shall be the basis for starting the procedure to remove from the list of doctoral students.
5. During the period of suspension, the doctoral student shall be completing neither their curriculum nor IRP, while retaining the doctoral student's rights.

SENATE

Chapter VI
Removal from the list of doctoral students

§ 15

1. The Dean shall remove a student from the list of doctoral students in the case of:
   1) negative result of a midterm assessment;
   2) failure to submit a doctoral dissertation within the time limit set in the Individual Research Plan (IRP);
   3) withdrawal from studies;
   4) failure to start studying;
   5) violation of a ban referred to in Art. 200.7;
   6) imposition of a disciplinary penalty of expulsion from the doctoral school.
2. The Dean may remove a student from the list of doctoral students in the case of:
   1) unsatisfactory progress in preparing a doctoral dissertation;
   2) failure to observe the Regulations for the School;
   3) lack of or unsatisfactory progress in completing the curriculum or the IRP.
3. The doctoral student shall have a right to appeal against the decision referred to in items 1 and 2.
4. The doctoral student shall not have a right to retake a course or semester or to restart education after being removed from the list of doctoral students.
5. The person removed from the list of doctoral students shall be obliged to return immediately any books, materials or other items that are the University's property, including, without limitation, a doctoral student card, and to fulfil all financial obligations to the University.
6. The statement on discontinuance of education shall be filed in a written form with the Doctoral School Office.
7. The status of a doctoral student at the School shall be held by the time of:
   1) completion of education by submitting the doctoral dissertation;
   2) valid removal from the list of doctoral students.

Chapter VII
Documentation of the course of education

§ 16

1. The course of education at the School shall be recorded in the doctoral student's personal file. Such file may be kept in an electronic form.
2. The doctoral student's personal file shall contain, without limitation:
   1) candidate's application for admission to the School;
   2) text of the oath signed by the doctoral student;
   3) decision on placing on the list of doctoral students of the School;
   4) statements made for financial support purposes;
   5) statement on studying in one doctoral school;
   6) statement on holding the ORCID iD;

7) doctoral student's IRP established in accordance with these Regulations;
8) report on conducting the midterm assessment of the doctoral student, drawn up in accordance with these Regulations;
9) statements and reports that the doctoral students is obliged to submit in accordance with these Regulations, accompanied by the dissertation supervisor's (supervisors') opinions;
10) transcripts of records;
11) individual decisions taken by the Dean regarding the course of education;
12) copies of the documents related to the course of the procedure for awarding a doctoral degree.

3. The Dean shall define the detailed rules for documenting the course of education at the Doctoral School.
4. The documentation of the Council's activities shall include, without limitation, minutes of the Council's sessions and the Council's resolutions.
5. The documentation of the Dean's activities shall include, without limitation, reports on the operations of the School and regulations issued by the Dean.
6. The documentation of the course of the procedure for awarding a degree shall be kept by the office of the relevant faculty.

Chapter VIII
Doctoral student's rights and obligations

§ 17

1. The person admitted to the School shall start their education and shall acquire a doctoral student's rights after swearing an oath. The wording of the oath shall be established in the Statutes.
   1) The text of the oath in the Polish language:
   Wstępując w poczet doktorantów Uniwersytetu Ekonomicznego we Wrocławiu ślubuję uroczyście:
   - *zdobywać wytrwale wiedzę i umiejętności,*
   - *dbać o godność doktoranta i dobre imię mojej Uczelni,*
   - *szanować jej tradycje,*
   - *przestrzegać zasad współżycia koleżeńskiego i obyczajów akademickich oraz przepisów obowiązujących w Uczelni.*

   2) The text of the oath in the English language:
   Joining the doctoral student community of the Wroclaw University of Economics and Business, I solemnly pledge that I will persevere in:
   - *pursuing knowledge and skills,*
   - *ensuring the doctoral student's dignity and good name of my University,*
   - *respecting its traditions,*
   - *complying with the principles of social co-existence and academic customs, as well as regulations of the University.*
2. After the matriculation, the doctoral student shall receive an electronic doctoral student card.

3. The student card, referred to in item 2, entitles the doctoral student to exercise their rights and it shall be returned when the doctoral student has completed their education or in the case of suspension of their rights or removal from the list of doctoral students. The template of a student card has been specified in separate regulations.
4. The doctoral student shall have a right to:
   1) receive tutorial guidance from the dissertation supervisor;
   2) change the dissertation supervisor and assistant dissertation supervisor in accordance with the rules stipulated herein;
   3) extend the time limit for submitting the doctoral dissertation, in accordance with the rules stipulated herein;
   4) receive a doctoral scholarship, in accordance with the rules stipulated in the Act;
   5) apply for a financial support provided for in separate regulations;,
   6) participate in the classes provided at the University;
   7) participate, if eligible and admitted, in programmes abroad, with funding provided, under the programmes implemented by the University;
   8) take part in domestic and foreign studies and scientific traineeships;
   9) participate in research conducted by departments;
   10) apply for accommodation in a student dormitory, according to the rules in place at the University;
   11) have holiday breaks that last not more than eight weeks during a year and that should be taken at the time when there are no teaching classes;
   12) make use of the libraries and reading rooms available at the University, according to the rules applicable to the academic staff;
   13) do internships or traineeships in the form described in the curriculum and in the Individual Research Plan.

§ 18

The doctoral student shall be obliged to:
1) act in compliance with the oath and the Regulations;
2) respect the regulations in place at the University;
3) take care for the reputation of the University;
4) observe the European code of ethics for researchers;
5) notify the School immediately of any change to the surname and residence address and also to any other data required by the University;
6) submit statements and reports on their duties and other achievements as stipulated herein;
7) take part in the organizational activities of the School;
8) submit a medical certificate issued by an occupational health physician on the lack of counter-indications to participating in the programmes that involve exposure to harmful agents;
9) hold an ORCID iD;
10) use an electronic mail address created in the University's domain;
11) do an internship by conducting classes or taking part in teaching classes for a maximum of

60 teaching hours a year if such internship has been stipulated in the curriculum and IRP;
12) have consultation hours;
13) submit the doctoral dissertation within the time limit set in the IRP;
14) complete the "Industrial doctorate" programme in accordance with the agreement signed between the University and the minister in charge of science, tripartite agreement between the doctoral student, their employer and the University, and rules of the programme announced by the minister in charge of science (it applies to doctoral students admitted to the Doctoral School to the "Industrial doctorate" programme).

Chapter VIIIa
Internships

§ 18a

1. The doctoral student shall be obliged to do an internship by conducting classes or taking part in the classes conducted by a lecturer.
2. The purpose of internship is to prepare the doctoral student to conduct classes at an academic level in the selected areas of the given academic discipline, making use of modern methods and tools.

§ 18b

1. The internship shall comprise 60 hours per academic year. The internship shall be carried out from the first to the eighth semester for not more than 240 hours in total.
2. The doctoral student's internship shall include:
   1) 24 hours of classes conducted on their own and 36 hours of participation in conducting classes during the first year of education at the School;
   2) 48 hours of classes conducted on their own and 12 hours of participation in conducting classes during the second, third and fourth year of education at the School.
3. The Dean of the School in consultation with the Dean for Academic Programmes shall decide on the number and type of classes to be conducted. With regard to the doctoral student's participation in the classes conducted by a lecturer, the dissertation supervisor shall decide on the number and type of such classes, list the classes in which the doctoral student has to participate, and pass this information to the Doctoral School Office one week before the start of a semester, except for the first semester when such participation starts immediately after the recruitment has been finished.
4. Should the doctoral student conduct classes on their own for more hours than specified in items 2.1 and 2.2, remuneration will be paid on account of that, pursuant to the agreement concluded with the Wroclaw University of Economics and Business, in accordance with provisions of law applicable to the University.
5. Should the doctoral student defend their doctoral dissertation sooner than after four years of education at the School, the required number of internship hours will be reduced on a pro-rata basis, respecting the proportion of classes conducted by the doctoral student on their own to these conducted by lecturers in which the doctoral student participates.

SENATE

§ 18c

The doctoral student shall have consultation hours as scheduled at the University.

Chapter IX
Doctoral students with special needs

§ 19

1. The conditions for full participation in the life of the University and academic community shall be ensured, without limitation, by the rights and forms of assistance referred to in the Regulations for assistance.
2. The Section for Supporting Persons with Disabilities and the Rector's Deputy for Persons with Disabilities shall be the entities responsible for coordinating activities for persons with special needs, including persons with disabilities.
3. Doctoral students with special needs, including doctoral students with disabilities, who have justified their special needs, shall have the rights and shall be entitled to the services referred to in the Regulations for assistance.
4. Upon the doctoral student's written application and based on the opinion obtained from the Rector's Deputy for Persons with Disabilities, the Dean shall give a decision on the awarded rights and forms of assistance.

Chapter X
Final provisions

§ 20

Decisions on the matters regarding the rules and mode of receiving education at the School that have not been stipulated herein or in other provisions of law shall be taken by the Dean ex officio or upon the doctoral student's request.

§ 21

The Doctoral School Office shall provide administrative services for the School.

§ 22

The Regulations shall come into effect as of 1 October 2024.

Wrocław, 7 April 2021

DD-B.014.1.2021

COMMUNICATION 1/2021
OF THE DEAN OF THE DOCTORAL SCHOOL
OF THE WROCLAW UNIVERSITY OF ECONOMICS AND BUSINESS
of 7 April 2021
regarding the composition of the commission conducting the midterm assessment
for the first edition of doctoral students of the Doctoral School
in the academic year 2020/2021

Pursuant to the Regulations for the Doctoral School of the Wroclaw University of Economics and Business (Para. 11.5), forming Attachment no. 1 to Resolution no. R.0000.58.2019 of 31 May 2019, as amended (Resolutions of the Senate Nos. 40/2020 and 111/2020), and the Act of 20 July 2018, Law on Higher Education and Science (Art. 202.4), I hereby appoint two commissions in two disciplines to conduct the midterm assessment for the first edition of doctoral students of the Doctoral School of the Wroclaw University of Economics and Business in the academic year 2020/2021, in the following composition:

1) **for the Economics and Finance discipline:**
   - Prof. Marian Noga, PhD, Habil. (Wyższa Szkoła Bankowa we Wrocławiu),
   - Prof. Jacek Karwowski, PhD, Habil.,
   - Prof. Stanisław Korenik, PhD, Habil.,

2) **for the Management and Quality Science discipline:**
   - Prof. Ewa Ziemba, PhD, Habil. (the University of Economics in Katowice),
   - Prof. Mirosława Pluta-Olearnik, PhD, Habil.,
   - Marzena Stor, PhD, Habil., Prof. of the WUEB.

Dean of the Doctoral School

Prof. Czesław Zając, PhD, Habil.

Wrocław, 25 May 2021

DD-B.014.2.2021

Communication 2/2021
OF THE DEAN OF THE DOCTORAL SCHOOL
OF THE WROCLAW UNIVERSITY OF ECONOMICS AND BUSINESS

of 25 May 2021

regarding the detailed procedure for the midterm assessment for the doctoral students of the Doctoral School in the academic year 2020/2021

Pursuant to the Act of 20 July 2018, Law on Higher Education and Science (Dz. U. /Journal of Laws/ of 2018, item 1668, as amended) and the Regulations for the Doctoral School (Resolution no. R.0000.58.2019 adopted by the Senate of the Wroclaw University of Economics and Business (WUEB) on 31 May 2019, regarding the approval of the Regulations for the Doctoral School, as amended), the midterm assessment of doctoral students of the Doctoral School of the WUEB is carried out. Hereinbelow, I present the procedure for carrying out the midterm assessment:

1. The midterm assessment of a doctoral student will be carried out in September 2021.

2. The Dean of the Doctoral School of the WUEB shall appoint the commissions for midterm assessment, selecting their members from among the candidates put forward by the chairpersons of the scientific councils for respective disciplines (Economics and Finance, Management and Quality Science) and shall make the information about the composition of the commissions available to the public (Communication of the Dean no. 1/2021, of 7 April 2021, regarding the composition of the commission conducting the midterm assessment for the first edition of doctoral students of the Doctoral School in the academic year 2020/2021).

3. The Commission shall be composed of three persons, including one person holding a PhD Habil. degree or the title of Professor in the discipline concerned and having a track record of academic achievements in the research area in which the doctoral dissertation is prepared, employed outside the University, and two persons holding a PhD Habil. degree or the title of Professor, representing the relevant discipline in which the doctoral dissertation is prepared, employed at the University. The supervisor and assistant supervisor may not be members of the Commission.

4. By 5 August 2021, the doctoral student shall submit an **application to the Dean of the Doctoral School of the WUEB for conducting the midterm assessment** (attachment no. 1 hereto) to the Office of the Doctoral School of the WUEB.

The doctoral student shall attach to the application documentation comprising:

a) **report on implementing the Individual Research Plan**, confirmed by the supervisor or supervisors and assistant supervisor, presenting the information about the current status of preparations of the doctoral dissertation (it should be extended with the description of the Individual Research Plan and it should include the justification for focusing on a given topic, based on the literature on the subject, schedule of works with the progress made on them, obtained results and expected results of such works) and the list of the doctoral student's achievements (scientific, project-related, artistic and organizational ones) signed by the doctoral student and confirmed by the supervisor/supervisors. The report should be signed by the supervisor/supervisors (attachment no. 2 hereto),

b) **doctoral student's record of achievements**, confirming the doctoral student's achievements and activities, including the list of such achievements and activities (attachment no. 3 hereto),

c) **presentation** concerning the implementation of the IRP (preferably a multimedia presentation),
d) documentation (scans and a file with the presentation) described in items a-d) has to be sent by the doctoral student by mail to the Doctoral School Office (olga.rutkowska@ue.wroc.pl / renata.majewska@ue.wroc.pl) by 5 August 2021,
e) the Doctoral School Office will send electronically the documentation described in items a-d) to the relevant commission.

5. The midterm assessment shall be conducted by the Commission on the basis of:
a) passing of the classes contained in the curriculum at the Doctoral School,
b) documentation (described in item 4) presented by the doctoral student and report on the IRP, submitted to the Doctoral School Office by 30 September 2020,
c) presentation given by the doctoral student during the meeting with the Commission, showing the scientific achievements connected with the preparation of the doctoral dissertation,
d) discussion with the doctoral student.

6. The assessment of the progress made in implementing the IRP will focus on:
a) progress made in preparing the doctoral dissertation,
b) correctness of the established objective,
c) adopted *metodyka*[1],
d) adherence to the schedule (including the acceptance of discrepancies arising in the course of work, as compared to the assumptions made).

7. During the discussion with the doctoral student the Commission will ask questions about the realization of research plans and the subject of research. The discussions will be held on:
a) 14 September 2021, for the discipline: Economics and Finance,
b) 15 September 2021, for the discipline: Management and Quality Science.

8. The expected duration of the discussion with one doctoral student is 30 minutes, out of which 15 minutes for the doctoral student's presentation concerning the implementation of the Individual Research Plan and 15 minutes for the Commission's discussion with the doctoral student about the implementation of the IRP, research related to the preparation of the dissertation, factors hindering and conducive to implementing the IRP, and cooperation with the supervisor.

9. When the session is finished, the Commission shall prepare a detailed report on all elements affecting the final result of the midterm assessment. This report, signed by all members of the Commission, has to be delivered to the Doctoral School Office no later than one week after the date of holding the discussion with the doctoral student (by 23 September 2021). The Commission shall present an individual report on each doctoral student.

10. The result of the midterm assessment may be positive or negative.

11. In the case of a negative result of the midterm assessment the doctoral student shall be removed from the list of doctoral students in accordance with the provisions of the documents referred to in item 1. The doctoral student who has obtained a negative result has a right to appeal against the decision on removing from the list.

12. The doctoral student's failure to submit the required documents or failure to take part in the midterm assessment at the set date (except for the documented fortuitous events) will result in initiating the procedure of removing from the list of doctoral students.

13. The doctoral student has a right to appeal against the decision on removing from the list in accordance with the

[1] standardized approach making use of a set of methods; general rules of operation

procedures of removing from the list of doctoral students stipulated in the documents referred to in item 1 (Act of 20 July 2018, Law on Higher Education and Science, Dz. U. of 2018, item 1668, as amended and the Regulations for the Doctoral School, Resolution no. R.0000.58.2019 adopted by the Senate of the Wroclaw University of Economics and Business on 31 May 2019, regarding the approval of the Regulations for the Doctoral School).

14. The result of the midterm assessment is open, including its justification. It will be communicated to the assessment participants on 4 October 2021. The information about the result of assessment, including its justification, will be made immediately available by the University on its site in the Public Information Bulletin.

15. The sessions of the Commission may be held online by means of the Teams platform. In such case, the Doctoral School Office shall be responsible for ensuring the reliability and efficiency of technical aspects of the meeting and the doctoral student shall have access to suitable hardware and the Internet connection with the bandwidth making it possible to conduct the meeting in real time.

16. The Office of the Doctoral School of the WUEB shall inform the doctoral student (by an email sent to the doctoral student's address in the University's domain and an announcement on the website of the Doctoral School) about the time, place, and mode of the session of the Commission one month before the date set for the midterm assessment at the latest. The Dean of the Doctoral School shall set the time of assessment.

Dean of the Doctoral School

Prof. Czesław Zając, PhD, Habil.

.....
First name and surname

Wrocław, ... 20.....

Dean of the Doctoral School
of the Wroclaw University of
Economics and Business
Prof. Czesław Zając, PhD, Habil.

I would like to apply for conducting the midterm assessment at the Doctoral School of the WUEB within the following scientific discipline: .....

on ..... 2021.

Yours sincerely,

.....
First name and surname

Dean's opinion:

.....

.....
Dean's signature

WROCLAW UNIVERSITY OF ECONOMICS AND BUSINESS
DOCTORAL SCHOOL

Report on the progress in implementing the IRP entitled:

.....

Discipline: .....

Doctoral student: .....
Supervisor: .....
Assistant Supervisor: .....

Wrocław 2021

Contents:

		No. of characters
-	Justification of the topic selected for the doctoral dissertation	*1800-2700*
-	Research problem of the dissertation, including the identified research gaps	*1800-2700*
-	Objectives and hypotheses / research questions of the dissertation	*2700-3600*
-	Methods of conducting research	*1800-3600*
-	Originality of the dissertation	*1800-2700*
-	Schedule for preparing the dissertation from October 2019 to June 2021	*1800-3600*
-	Contents of the dissertation drawn up till June 2021	
-	Bibliography	
-	List of publications till June 2021	
-	Doctoral student's additional achievements and activities	

.....
Doctoral student's first name and surname

.....
Discipline

DOCTORAL STUDENT'S RECORD OF ACHIEVEMENTS
DOCTORAL SCHOOL OF THE WROCLAW UNIVERSITY OF ECONOMICS AND BUSINESS
ACADEMIC YEAR ...../.....

Publications (issued, accepted for printing, given a positive review):

1. .....
2. .....
3. .....

Research work (participation in grants, scientific groups, research work of the Department):

1. .....
2. .....
3. .....

Presentations at scientific conferences at home and abroad:

1. .....
2. .....
3. .....

Completed scientific traineeships, awarded scholarships (at home and abroad):

1. .....
2. .....
3. .....

Other forms of scientific activity (conducting workshops or seminars, DFN /Lower Silesian Science Festival/, Children's University, preparation and submission of a grant application, e.g. Preludium, dissemination of knowledge, etc.):

1. .....
2. .....
3. .....

The doctoral student is obliged to support each type of activity with a Xerox copy of a document confirming their participation in the event or publication.

.....
(date and legible signature)

DD-B.021.2.2022

Circular 3/2022
OF THE DEAN OF THE DOCTORAL SCHOOL
OF THE WROCLAW UNIVERSITY OF ECONOMICS AND BUSINESS
of 8 April 2022

regarding the composition of the commission conducting the midterm assessment for the second edition of doctoral students of the Doctoral School in the academic year 2021/2022

Pursuant to the Regulations for the Doctoral School of the Wroclaw University of Economics and Business (Para. 11.5), forming Attachment no. 1 to Resolution no. R.0000.58.2019 of 31 May 2019, as amended, and the Act of 20 July 2018, Law on Higher Education and Science (Art. 202.4), I hereby appoint three commissions in two disciplines to conduct the midterm assessment for the second edition of doctoral students of the Doctoral School of the Wroclaw University of Economics and Business in the academic year 2021/2022, in the following composition:

✓ **for the Economics and Finance discipline:**

- Economics
  1) Katarzyna Perez, PhD, Habil., Prof. of the PUEB (Poznań University of Economics and Business),
  2) Tomasz Słoński, PhD, Habil., Prof. of the WUEB,
  3) Jacek Uchman, PhD, Habil., Prof. of the WUEB.
- Finance
  4) Katarzyna Perez, PhD, Habil., Prof. of the PUEB (Poznań University of Economics and Business),
  5) Andrzej Dudek, PhD, Habil., Prof. of the WUEB,
  6) Radosław Pietrzyk, PhD, Habil., Prof. of the WUEB

✓ **for the Management and Quality Science discipline:**

1) Prof. Ewa Ziemba, PhD, Habil. (the University of Economics in Katowice),
2) Prof. Mirosława Pluta-Olearnik, PhD, Habil.,
3) Marzena Stor, PhD, Habil., Prof. of the WUEB.

Dean of the Doctoral School

Prof. Czesław Zając, PhD, Habil.

DD-B.021.4.2022

Circular No. 4/2022
OF THE DEAN OF THE DOCTORAL SCHOOL
OF THE WROCLAW UNIVERSITY OF ECONOMICS AND BUSINESS

of 29 April 2022

regarding the detailed procedure for the midterm assessment for the second edition of doctoral students of the Doctoral School in the academic year 2021/2022

Pursuant to the Act of 20 July 2018, Law on Higher Education and Science (Dz. U. /Journal of Laws/ of 2018, item 1668, as amended) and the Regulations for the Doctoral School (Resolution no. R.0000.58.2019 adopted by the Senate of the Wroclaw University of Economics and Business (WUEB) on 31 May 2019, regarding the approval of the Regulations for the Doctoral School, as amended), the midterm assessment of doctoral students of the Doctoral School of the WUEB is carried out. Hereinbelow, I present the procedure for carrying out the midterm assessment:

1. The midterm assessment of a doctoral student will be carried out in September 2022.

2. The Dean of the Doctoral School of the WUEB shall appoint the commissions for midterm assessment, selecting their members from among the candidates put forward by the chairpersons of the scientific councils for respective disciplines (Economics and Finance, Management and Quality Science) and shall make the information about the composition of the commissions available to the public (Circular of the Dean no. 3/2022, of 8 April 2022, regarding the composition of the commission conducting the midterm assessment for the second edition of doctoral students of the Doctoral School in the academic year 2021/2022).

3. The Commission shall be composed of three persons, including one person holding a PhD Habil. degree or the title of Professor in the discipline concerned and having a track record of academic achievements in the research area in which the doctoral dissertation is prepared, employed outside the University, and two persons holding a PhD Habil. degree or the title of Professor, representing the relevant discipline in which the doctoral dissertation is prepared, employed at the University. The supervisor and assistant supervisor may not be members of the Commission.

4. By 5 August 2022, the doctoral student shall submit an **application to the Dean of the Doctoral School of the WUEB for conducting the midterm assessment** (attachment no. 1 hereto) to the Office of the Doctoral School of the WUEB.
The doctoral student shall attach **to the application** documentation in a paper form comprising:

a) **report on implementing the Individual Research Plan**, confirmed by the supervisor or supervisors and assistant supervisor (if appointed), presenting the information about the current status of preparations of the doctoral dissertation (it should be extended with the description of the Individual Research Plan and it should include the justification for focusing on a given topic, based on the literature on the subject, schedule of works with the progress made on them, obtained results and expected results of such works) and the list of the doctoral student's achievements (scientific and organizational ones, projects) signed by the doctoral student and confirmed by the supervisor/supervisors. The report should be signed by the supervisor/supervisors (attachment no. 2 hereto),
b) **doctoral student's record of achievements**, confirming the doctoral student's achievements and activities, including the list of such achievements and activities (attachment no. 3 hereto); all achievements should

be supported with the relevant attachments (e.g. copies of publications, certificates and confirmations of participation),

c) **presentation** concerning the implementation of the IRP (preferably a multimedia presentation).

The documentation (scans and a file with the presentation) described in items a-c) has also to be sent by the doctoral student to the Doctoral School Office by electronic means to two email addresses: olga.rutkowska@ue.wroc.pl and renata.majewska@ue.wroc.pl **by 5 August 2022**.

d) the Doctoral School Office will send electronically the documentation described in items a-c) to the relevant commission (for a given discipline).

5. The midterm assessment shall be conducted by the Commission on the basis of:
a) passing of the classes contained in the curriculum at the Doctoral School,
b) documentation (described in item 4) presented by the doctoral student and report on the IRP, submitted to the Doctoral School Office by 30 September 2021,
c) presentation given by the doctoral student during the meeting with the Commission, showing the scientific achievements connected with the preparation of the doctoral dissertation,
d) discussion with the doctoral student.

6. The assessment of the progress made in implementing the IRP will focus on:
a) progress made in preparing the doctoral dissertation,
b) correctness of the established objective,
c) adopted *metodyka*[1],
d) adherence to the schedule contained in the IRP (including the acceptance of discrepancies arising in the course of work, as compared to the assumptions made).

7. During the discussion with the doctoral student the Commission will ask questions about the realization of research plans and the subject of research. The discussions will be held on:
a) **20 September 2022, for the discipline: Economics and Finance,**
b) **21 September 2022, for the discipline: Management and Quality Science,**

8. The expected duration of the discussion with one doctoral student is 30 minutes, out of which ten minutes for the doctoral student's presentation concerning the implementation of the Individual Research Plan and 20 minutes for the Commission's discussion with the doctoral student about the implementation of the IRP, research related to the preparation of the dissertation, factors hindering and conducive to implementing the IRP, and cooperation with the supervisor.

9. When the session is finished, the Commission shall prepare a detailed report on all elements affecting the final result of the midterm assessment. This report, signed by all members of the Commission, has to be delivered to the Doctoral School Office no later than one week after the date of holding the discussion with the doctoral student (by 28 September 2022). The Commission shall present an individual report on each doctoral student.

10. The result of the midterm assessment may be positive or negative.

11. In the case of a negative result of the midterm assessment the doctoral student shall be removed from the list of doctoral students in accordance with the provisions of the documents referred to in item 1. The doctoral student who has obtained a negative result has a right to appeal against the decision on removing from the list.

12. The doctoral student's failure to submit the required documents or failure to take part in the midterm

[1] standardized approach making use of a set of methods; general rules of operation

assessment at the set date (except for the documented fortuitous events) will result in initiating the procedure of removing from the list of doctoral students.

13. The doctoral student has a right to appeal against the decision on removing from the list in accordance with the procedures of removing from the list of doctoral students stipulated in the documents referred to in item 1 (Act of 20 July 2018, Law on Higher Education and Science, Dz. U. of 2018, item 1668, as amended and the Regulations for the Doctoral School, Resolution no. R.0000.58.2019 adopted by the Senate of the Wroclaw University of Economics and Business on 31 May 2019, regarding the approval of the Regulations for the Doctoral School).

14. The result of the midterm assessment is open, including its justification. It will be communicated to the assessment participants on 3 October 2022. The information about the result of assessment will be made immediately available by the University on the website of the Doctoral School of the WUEB.

15. If – in justified cases – the sessions of the Commission are held online by means of the Teams platform, the Doctoral School Office shall be responsible for ensuring the reliability and efficiency of technical aspects of the meeting and the doctoral student shall have access to suitable hardware and the Internet connection with the bandwidth making it possible to conduct the meeting in real time.

16. The Office of the Doctoral School of the WUEB shall inform the doctoral student (by an email sent to the doctoral student's address in the University's domain and an announcement on the website of the Doctoral School) about the time, place, and mode of the session of the Commission one month before the date set for the midterm assessment at the latest. The Dean of the Doctoral School shall set the time of assessment.

Dean of the Doctoral School

Prof. Czesław Zając, PhD, Habil.

.....
First name and surname

Wrocław, ... 20.....

Dean of the Doctoral School
of the Wroclaw University of
Economics and Business
Prof. Czesław Zając, PhD, Habil.

I would like to apply for conducting the midterm assessment at the Doctoral School of the WUEB within the following scientific discipline: .....

on ..... 2022.

Yours sincerely,

.....
First name and surname

Dean's opinion:

.....

.....
Dean's signature

WROCLAW UNIVERSITY OF ECONOMICS AND BUSINESS
DOCTORAL SCHOOL

Report on the progress in implementing the IRP entitled:

.....

Discipline: .....

Doctoral student: .....
Supervisor: .....
Assistant Supervisor: .....

Wrocław 2022

Contents:

		No. of characters
-	Justification of the topic selected for the doctoral dissertation	*1800-2700*
-	Research problem of the dissertation, including the identified research gaps	*1800-2700*
-	Objectives and hypotheses / research questions of the dissertation	*2700-3600*
-	Methods of conducting research	*1800-3600*
-	Originality of the dissertation	*1800-2700*
-	Schedule for preparing the dissertation from October 2020 to June 2022	*1800-3600*
-	Contents of the dissertation drawn up till June 2022	
-	Bibliography	
-	List of publications till June 2022	
-	Doctoral student's additional achievements and activities	

.....
Supervisor's signature

.....
Assistant Supervisor's signature
(if applicable)

.....
Doctoral student's first name and surname

.....
Discipline

DOCTORAL STUDENT'S RECORD OF ACHIEVEMENTS
DOCTORAL SCHOOL OF THE WROCLAW UNIVERSITY OF ECONOMICS AND BUSINESS
ACADEMIC YEAR ...../.....

Publications (issued, accepted for printing, given a positive review):

1. .....
2. .....
3. .....

Research work (participation in grants, scientific groups, research work of the Department):

1. .....
2. .....
3. .....

Presentations at scientific conferences at home and abroad:

1. .....
2. .....
3. .....

Completed scientific traineeships, awarded scholarships (at home and abroad):

1. .....
2. .....
3. .....

Other forms of scientific activity (conducting workshops or seminars, DFN /Lower Silesian Science Festival/, Children's University, preparation and submission of a grant application, e.g. Preludium, dissemination of knowledge, etc.):

1. .....
2. .....
3. .....

The doctoral student is obliged to support each type of activity with a Xerox copy of a document confirming their participation in the event or publication.

.....
(date and legible signature)

DD-B.021.1.2023

Circular 1/2023
OF THE DEAN OF THE DOCTORAL SCHOOL
OF THE WROCLAW UNIVERSITY OF ECONOMICS AND BUSINESS
of 9 May 2023
regarding the appointment of the commission conducting the midterm assessment for the third edition of doctoral students of the Doctoral School in the academic year 2022/2023

Pursuant to Para. 11.5 of the Regulations for the Doctoral School of the Wroclaw University of Economics and Business , forming Attachment no. 1 to Resolution no. R.0000.58.2019 of 31 May 2019, as amended, I hereby resolve as follows:

§ 1

1. I appoint three commissions in two disciplines to conduct the midterm assessment for the third edition of doctoral students of the Doctoral School of the Wroclaw University of Economics and Business in the academic year 2022/2023.
2. For the management and quality science discipline I appoint, subject to item 1, two separate commissions with the same composition.

§ 2

1. The Commission shall be composed of three persons, including one person holding a PhD Habil. degree or the title of Professor in the discipline concerned and having a track record of academic achievements in the research area in which the doctoral dissertation is prepared, employed outside the University, and two persons holding a PhD Habil. degree or the title of Professor, representing the relevant discipline in which the doctoral dissertation is prepared, employed at the University.
2. The supervisor and assistant supervisor may not be members of the Commission

§ 3

1. I establish the following composition of the commission for the economics and finance discipline:
   a) Marcin Łuszczyk, PhD, Habil., Eng., Prof. of the OUT (Opole University of Technology)
   b) Agnieszka Bem, PhD, Habil., Prof. of the WUEB,
   c) Dariusz Wawrzyniak, PhD, Habil., Prof. of the WUEB.
2. I establish the following compositions of the commission for the management and quality science discipline:
   1) first commission:
      a) Prof. Ewa Ziemba, PhD, Habil. (the University of Economics in Katowice),
      b) Prof. Mirosława Pluta-Olearnik, PhD, Habil.,

c) Marzena Stor, PhD, Habil., Prof. of the WUEB.

2) fecond commission

a) Prof. Ewa Ziemba, PhD, Habil. (the University of Economics in Katowice),

b) Prof. Mirosława Pluta-Olearnik, PhD, Habil.,

c) Marzena Stor, PhD, Habil., Prof. of the WUEB.

§ 2

The Circular will come into effect on the day it is signed.

Dean of the Doctoral School

Prof. Czesław Zając, PhD, Habil.

DD-B.021.2.2023

Circular No. 2/2023
OF THE DEAN OF THE DOCTORAL SCHOOL
OF THE WROCLAW UNIVERSITY OF ECONOMICS AND BUSINESS

of 9 May 2023

regarding the detailed procedure for the midterm assessment for the third edition of doctoral students of the Doctoral School in the academic year 2022/2023

Pursuant to Para. 11.5 of the Regulations for the Doctoral School of the Wroclaw University of Economics and Business, forming Attachment no.1 to Resolution no. R.0000.58.2019 of 31 May 2019, as amended, in connection with Circular of the Dean of the Doctoral School No. 1/2023 of 9 May 2023, I hereby resolve as follows:

§ 1

The midterm assessment of a doctoral student will be carried out in September 2023.

§ 2

1. By 4 August 2023, the doctoral student shall submit an **application** to the Dean of the Doctoral School of the WUEB for conducting the midterm assessment (attachment no. 1 hereto) to the Office of the Doctoral School of the WUEB.

2. The doctoral student shall attach to the application documentation in a paper form comprising:
   1) report on implementing the Individual Research Plan, confirmed by the supervisor or supervisors and assistant supervisor (if appointed), presenting the information about the current status of preparations of the doctoral dissertation (it should be extended with the description of the Individual Research Plan and it should include the justification for focusing on a given topic, based on the literature on the subject, schedule of works with the progress made on them, obtained results and expected results of such works) and the list of the doctoral student's achievements (scientific and organizational ones, projects) signed by the doctoral student and confirmed by the supervisor/supervisors. The report should be signed by the supervisor/supervisors (attachment no. 2 hereto),
   2) doctoral student's record of achievements, confirming the doctoral student's achievements and activities, including the list of such achievements and activities (attachment no. 3 hereto); all achievements should be supported with the relevant attachments (e.g. copies of publications, certificates and confirmations of participation),
   3) presentation concerning the implementation of the IRP (preferably a multimedia presentation).

3. The documentation (scans and a file with the presentation) described in item 2.1-3 has also to be sent by the doctoral student to the Doctoral School Office by electronic means in an editable format (MS_WORD) to two email addresses: olga.rutkowska@ue.wroc.pl and renata.majewska@ue.wroc.pl by 4 August 2023.

4. The Doctoral School Office will send electronically the documentation described in item 3 to the commission relevant for a given discipline.

5. The midterm assessment shall be conducted by the Commission on the basis of:
   a) passing of the classes contained in the curriculum at the Doctoral School,

b) documentation, described in item 4, presented by the doctoral student and report on the IRP, submitted to the Doctoral School Office by 30 September 2022 (first year of education),
c) presentation given by the doctoral student during the meeting with the Commission, showing the scientific achievements connected with the preparation of the doctoral dissertation,
d) discussion with the doctoral student.

6. The assessment of the progress made in implementing the IRP will focus on:
   a) progress made in preparing the doctoral dissertation,
   b) correctness of the established objective,
   c) adopted *metodyka*[1],
   d) adherence to the schedule contained in the IRP (including the acceptance of discrepancies arising in the course of work, as compared to the assumptions made).

7. During the discussion with the doctoral student the Commission will ask questions about the realization of research plans and the subject of research. The discussions will be held on:
   a) 13-14 September 2023, for the discipline: economics and finance,
   b) 13-14 September 2023, for the discipline: management and quality science,

8. The expected duration of the discussion with one doctoral student is 30 minutes, out of which ten minutes for the doctoral student's presentation concerning the implementation of the Individual Research Plan and 20 minutes for the Commission's discussion with the doctoral student about the implementation of the IRP, research related to the preparation of the dissertation, factors hindering and conducive to implementing the IRP, and cooperation with the supervisor.

9. When the session is finished, the Commission shall prepare a detailed report on all elements affecting the final result of the midterm assessment. This report, signed by all members of the Commission, has to be delivered to the Doctoral School Office by 28 September 2023. The Commission shall present an individual report on each doctoral student.

10. The result of the midterm assessment may be positive or negative.

11. In the case of a negative result of the midterm assessment the doctoral student shall be removed from the list of doctoral students. The doctoral student who has obtained a negative result has a right to appeal against the decision on removing from the list.

12. The doctoral student's failure to submit the required documents or failure to take part in the midterm assessment at the set date (except for the documented fortuitous events) will result in initiating the procedure of removing from the list of doctoral students.

13. The doctoral student has a right to appeal against the decision in accordance with the rules stipulated in the Regulations for the Doctoral School.

14. The result of the midterm assessment is open, including its justification. It will be communicated to the assessment participants on 2 October 2023. The information about the result of assessment will be made immediately available by the University on the website of the Doctoral School of the WUEB.

15. In justified cases the sessions of the Commission are held online by means of the Teams platform and the Doctoral School Office shall be responsible for ensuring the reliability and efficiency of technical aspects of the meeting. The doctoral student shall have access to suitable hardware and the Internet connection with the bandwidth making it possible to conduct the meeting in real time.

[1] standardized approach making use of a set of methods; general rules of operation

16. The Office of the Doctoral School of the WUEB shall inform the doctoral student (by an email sent to the doctoral student's address in the University's domain and an announcement on the website of the Doctoral School) about the time, place, and mode of the session of the Commission one month before the date set for the midterm assessment at the latest. The Dean of the Doctoral School shall set the time of assessment.

Dean of the Doctoral School

Prof. Czesław Zając, PhD, Habil.

DD-B.021.3.2023

Circular No. 3/2023
OF THE DEAN OF THE DOCTORAL SCHOOL
OF THE WROCLAW UNIVERSITY OF ECONOMICS AND BUSINESS

of 29 May 2023

regarding the changes to Circular 2/2023 of the Dean of the Doctoral School of the Wroclaw University of Economics and Business regarding the detailed procedure for the midterm assessment for the third edition of doctoral students of the Doctoral School in the academic year 2022/2023

Pursuant to Para. 11.5 of the Regulations for the Doctoral School of the Wroclaw University of Economics and Business, forming Attachment no.1 to Resolution no. R.0000.58.2019 of 31 May 2019, as amended, I hereby resolve as follows:

§ 1

Para. 2.7 of Circular 2/2023 will have the following wording:

During the discussion with the doctoral student the Commission will ask questions about the realization of research plans and the subject of research. The discussions will be held on:
a) 13 September 2023, for the discipline: economics and finance,
b) 20 September 2023, for the discipline: management and quality science

§ 2

The Circular will come into effect on the day it is signed.

Dean of the Doctoral School

Prof. Czesław Zając, PhD, Habil.

.....
First name and surname

Wrocław, ... 20.....

Dean of the Doctoral School
of the Wroclaw University of
Economics and Business
Prof. Czesław Zając, PhD, Habil.

I would like to apply for conducting the midterm assessment at the Doctoral School of the WUEB within the following scientific discipline: .....

on ..... 2023.

Yours sincerely,

.....
First name and surname

Dean's opinion:

.....

.....
Dean's signature

WROCLAW UNIVERSITY OF ECONOMICS AND BUSINESS
DOCTORAL SCHOOL

Report on the progress in implementing the IRP entitled:

.....

Discipline: .....

Doctoral student: .....
Supervisor: .....
Supervisor: .....
Assistant Supervisor: .....

Wrocław 2023

Contents:

		No. of characters
-	Justification of the topic selected for the doctoral dissertation	*1800-2700*
-	Research problem of the dissertation, including the identified research gaps	*1800-2700*
-	Objectives and hypotheses / research questions of the dissertation	*2700-3600*
-	Methods of conducting research	*1800-3600*
-	Originality of the dissertation	*1800-2700*
-	Schedule for preparing the dissertation from October 2021 to June 2023	*1800-3600*
-	Contents of the dissertation drawn up till June 2023	
-	Bibliography	
-	List of publications till June 2023	
-	Doctoral student's additional achievements and activities	

.....
Doctoral student's signature

.....
First Supervisor's signature

.....
Second Supervisor's signature
(if applicable)

.....
Assistant Supervisor's signature
(if applicable)

.....
Doctoral student's first name and surname

.....
Discipline

DOCTORAL STUDENT'S RECORD OF ACHIEVEMENTS
DOCTORAL SCHOOL OF THE WROCLAW UNIVERSITY OF ECONOMICS AND BUSINESS
ACADEMIC YEAR ...../.....

Publications (issued, accepted for printing, given a positive review):

1. .....
2. .....
3. .....

Research work (participation in grants, scientific groups, research work of the Department):

1. .....
2. .....
3. .....

Presentations at scientific conferences at home and abroad:

1. .....
2. .....
3. .....

Completed scientific traineeships, awarded scholarships (at home and abroad):

1. .....
2. .....
3. .....

Other forms of scientific activity (conducting workshops or seminars, DFN /Lower Silesian Science Festival/, Children's University, preparation and submission of a grant application, e.g. Preludium, dissemination of knowledge, etc.):

1. .....
2. .....
3. .....

The doctoral student is obliged to support each type of activity with a Xerox copy of a document confirming their participation in the event or publication.

.....
(date and legible signature)

DD-B.021.4.2023

Circular 4/2024
OF THE DEAN OF THE DOCTORAL SCHOOL
OF THE WROCLAW UNIVERSITY OF ECONOMICS AND BUSINESS

of 12 February 2024

regarding the composition of the commission conducting the midterm assessment for the fourth edition of doctoral students of the Doctoral School in the academic year 2023/2024

Pursuant to the Regulations for the Doctoral School of the Wroclaw University of Economics and Business (Para. 11.5), forming Attachment no. 1 to Resolution no. R.0000.58.2019 of 31 May 2019, as amended, and the Act of 20 July 2018, Law on Higher Education and Science (Art. 202.4), I hereby appoint three commissions in two disciplines to conduct the midterm assessment for the fourth edition of doctoral students of the Doctoral School of the Wroclaw University of Economics and Business in the academic year 2023/2024, in the following composition:

- ✓ **for the Economics and Finance discipline:**
  3) Mateusz Machaj, PhD, Habil., Prof. of the UW (the University of Wrocław),
  4) Agnieszka Bem, PhD, Habil., Prof. of the WUEB,
  5) Dariusz Wawrzyniak, PhD, Habil., Prof. of the WUEB.

- ✓ **for the Management and Quality Science discipline:**

  Commission I
  4) Prof. Ewa Ziemba, PhD, Habil. (the University of Economics in Katowice),
  5) Prof. Mirosława Pluta-Olearnik, PhD, Habil.,
  6) Marzena Stor, PhD, Habil., Prof. of the WUEB.

  Commission II
  1) Prof. Ewa Ziemba, PhD, Habil. (the University of Economics in Katowice),
  2) Prof. Mirosława Pluta-Olearnik, PhD, Habil.,
  3) Marzena Stor, PhD, Habil., Prof. of the WUEB.

Dean of the Doctoral School

Prof. Czesław Zając, PhD, Habil.

DD-B.021.5.2024

Circular 5/2024
OF THE DEAN OF THE DOCTORAL SCHOOL
OF THE WROCLAW UNIVERSITY OF ECONOMICS AND BUSINESS

of 12 February 2024

regarding the detailed procedure for the midterm assessment for the fourth edition of doctoral students of the Doctoral School in the academic year 2023/2024

Pursuant to the Act of 20 July 2018, Law on Higher Education and Science (Dz. U. /Journal of Laws/ of 2018, item 1668, as amended) and the Regulations for the Doctoral School (Resolution no. R.0000.58.2019 adopted by the Senate of the Wroclaw University of Economics and Business (WUEB) on 31 May 2019, regarding the approval of the Regulations for the Doctoral School, as amended), the midterm assessment of doctoral students of the Doctoral School of the WUEB is carried out. Hereinbelow, I present the procedure for carrying out the midterm assessment:

1. The midterm assessment of a doctoral student will be carried out in September 2024.

2. The Dean of the Doctoral School of the WUEB shall appoint the commissions for midterm assessment, selecting their members from among the candidates put forward by the chairpersons of the scientific councils for respective disciplines (Economics and Finance, Management and Quality Science) and shall make the information about the composition of the commissions available to the public (Circular of the Dean no. 4/2023, of 11 February 2024, regarding the composition of the commission conducting the midterm assessment for the fourth edition of doctoral students of the Doctoral School in the academic year 2023/2024).

3. The Commission shall be composed of three persons, including one person holding a PhD Habil. degree or the title of Professor in the discipline concerned and having a track record of academic achievements in the research area in which the doctoral dissertation is prepared, employed outside the University, and two persons holding a PhD Habil. degree or the title of Professor, representing the relevant discipline in which the doctoral dissertation is prepared, employed at the University. The supervisor and assistant supervisor may not be members of the Commission.

4. **By 31 July 2024**, the doctoral student shall submit an **application to the Dean of the Doctoral School of the WUEB for conducting the midterm assessment** (attachment no. 1 hereto) to the Office of the Doctoral School of the WUEB.
The doctoral student shall attach **to the application** documentation in a paper form comprising:

a) **report on implementing the Individual Research Plan**, confirmed by the supervisor or supervisors and assistant supervisor (if appointed), presenting the information about the current status of preparations of the doctoral dissertation (it should be extended with the description of the Individual Research Plan and it should include the justification for focusing on a given topic, based on the literature on the subject, schedule of works with the progress made on them, obtained results and expected results of such works) and the list of the doctoral student's achievements (scientific and organizational ones, projects) signed by the doctoral student and confirmed by the supervisor/supervisors. The report should be signed by the supervisor/supervisors (attachment no. 2 hereto),
b) **doctoral student's record of achievements**, confirming the doctoral student's achievements and activities, including the list of such achievements and activities (attachment no. 3 hereto); all achievements should

be supported with the relevant attachments (e.g. copies of publications, certificates and confirmations of participation),

c) **presentation** concerning the implementation of the IRP (preferably a multimedia presentation).

The documentation (scans and a file with the presentation) described in items a-c) has to be sent by the doctoral student to the Doctoral School Office **by electronic means in an editable format** (MS_WORD) to two email addresses: olga.rutkowska@ue.wroc.pl **and** renata.majewska@ue.wroc.pl **by 31 July 2024**.

d) the Doctoral School Office will send electronically the documentation described in items a-c) to the relevant commission (for a given discipline).

5. The midterm assessment shall be conducted by the Commission on the basis of:
a) passing of the classes contained in the curriculum at the Doctoral School,
b) documentation (described in item 4) presented by the doctoral student and report on the IRP, **submitted to the Doctoral School Office by 30 September 2023 (first year of education),**
c) presentation given by the doctoral student during the meeting with the Commission, showing the scientific achievements connected with the preparation of the doctoral dissertation,
d) discussion with the doctoral student.

6. The assessment of the progress made in implementing the IRP will focus on:
a) progress made in preparing the doctoral dissertation,
b) correctness of the established objective,
c) adopted *metodyka*[1],
d) adherence to the schedule contained in the IRP (including the acceptance of discrepancies arising in the course of work, as compared to the assumptions made).

7. During the discussion with the doctoral student the Commission will ask questions about the realization of research plans and the subject of research. The discussions will be held on:
a) **16 September 2024, for the discipline: Management and Quality Science,**
b) **18 September 2024, for the discipline: Economics and Finance.**

8. The expected duration of the discussion with one doctoral student is 30 minutes, out of which ten minutes for the doctoral student's presentation concerning the implementation of the Individual Research Plan and 20 minutes for the Commission's discussion with the doctoral student about the implementation of the IRP, research related to the preparation of the dissertation, factors hindering and conducive to implementing the IRP, and cooperation with the supervisor.

9. When the session is finished, the Commission shall prepare a detailed report on all elements affecting the final result of the midterm assessment. This report, signed by all members of the Commission, has to be delivered to the Doctoral School Office no later than one week after the date of holding the discussion with the doctoral student (by 28 September 2024). The Commission shall present an individual report on each doctoral student.

10. The result of the midterm assessment may be positive or negative.

11. In the case of a negative result of the midterm assessment the doctoral student shall be removed from the list of doctoral students in accordance with the provisions of the documents referred to in item 1. The doctoral student who has obtained a negative result has a right to appeal against the decision on removing from the list.

12. The doctoral student's failure to submit the required documents or failure to take part in the midterm

[1] standardized approach making use of a set of methods; general rules of operation

assessment at the set date (except for the documented fortuitous events) will result in initiating the procedure of removing from the list of doctoral students.

13. The doctoral student has a right to appeal against the decision on removing from the list in accordance with the procedures of removing from the list of doctoral students stipulated in the documents referred to in item 1 (Act of 20 July 2018, Law on Higher Education and Science, Dz. U. of 2018, item 1668, as amended and the Regulations for the Doctoral School, Resolution no. R.0000.58.2019 adopted by the Senate of the Wroclaw University of Economics and Business on 31 May 2019, regarding the approval of the Regulations for the Doctoral School).

14. The result of the midterm assessment is open, including its justification. It will be communicated to the assessment participants on 1 October 2024. The information about the result of assessment will be made immediately available by the University on the website of the Doctoral School of the WUEB.

15. If – in justified cases – the sessions of the Commission are held online by means of the Teams platform, the Doctoral School Office shall be responsible for ensuring the reliability and efficiency of technical aspects of the meeting and the doctoral student shall have access to suitable hardware and the Internet connection with the bandwidth making it possible to conduct the meeting in real time.

16. The Office of the Doctoral School of the WUEB shall inform the doctoral student (by an email sent to the doctoral student's address in the University's domain and an announcement on the website of the Doctoral School) about the time, place, and mode of the session of the Commission one month before the date set for the midterm assessment at the latest. The Dean of the Doctoral School shall set the time of assessment.

Dean of the Doctoral School

Prof. Czesław Zając, PhD, Habil.

.....
First name and surname

Wrocław, ... 20.....

Dean of the Doctoral School
of the Wroclaw University of
Economics and Business
Prof. Czesław Zając, PhD, Habil.

I would like to apply for conducting the midterm assessment at the Doctoral School of the WUEB within the following scientific discipline: .....

on ..... 2024.

Yours sincerely,

.....
First name and surname

Dean's opinion:

.....

.....
Dean's signature

WROCLAW UNIVERSITY OF ECONOMICS AND BUSINESS
DOCTORAL SCHOOL

Report on the progress in implementing the IRP entitled:

.....

Discipline: .....

Doctoral student: .....
Supervisor: .....
Supervisor: .....
Assistant Supervisor: .....

Wrocław 2024

Contents:

		No. of characters
-	Justification of the topic selected for the doctoral dissertation	*1800-2700*
-	Research problem of the dissertation, including the identified research gaps	*1800-2700*
-	Objectives and hypotheses / research questions of the dissertation	*2700-3600*
-	Methods of conducting research	*1800-3600*
-	Originality of the dissertation	*1800-2700*
-	Schedule for preparing the dissertation from October 2022 to June 2024	*1800-3600*
-	Contents of the dissertation drawn up till June 2024	
-	Bibliography	
-	List of publications till June 2024	
-	Doctoral student's additional achievements and activities	

It is mandatory for the following to put their signatures at the end of the report:

.....
Doctoral student's signature

.....
First Supervisor's signature

.....
Second Supervisor's signature
(if applicable)

.....
Assistant Supervisor's signature
(if applicable)

.....
Doctoral student's first name and surname

.....
Discipline

DOCTORAL STUDENT'S RECORD OF ACHIEVEMENTS
DOCTORAL SCHOOL OF THE WROCLAW UNIVERSITY OF ECONOMICS AND BUSINESS
ACADEMIC YEAR 2023/2024

Publications (issued, accepted for printing, given a positive review):

1. .....
2. .....
3. .....

Research work (participation in grants, scientific groups, research work of the Department):

1. .....
2. .....
3. .....

Presentations at scientific conferences at home and abroad:

1. .....
2. .....
3. .....

Completed scientific traineeships, awarded scholarships (at home and abroad):

1. .....
2. .....
3. .....

Other forms of scientific activity (conducting workshops or seminars, DFN /Lower Silesian Science Festival/, Children's University, preparation and submission of a grant application, e.g. Preludium, dissemination of knowledge, etc.):

1. .....
2. .....
3. .....

The doctoral student is obliged to support each type of activity with a Xerox copy of a document confirming their participation in the event or publication.

.....
(date and legible signature)

UNIWERSYTET EKONOMICZNY we Wrocławiu

UPOWAŻNIENIE
NR R-CLO-DOP.0131.2.3.2025

Niniejsze upoważnienie zostało wystawione we Wrocławiu w dniu 5 marca 2025 r. przez:

Rektora prof. dra hab. Czesława Zająca – działającego w imieniu Uniwersytetu Ekonomicznego we Wrocławiu z siedzibą przy ul. Komandorskiej 118/120, 53-345 Wrocław, zwanego dalej **Upoważniającym,**
dla
dr hab. Dominiki Bąk-Grabowskiej, prof. UEW – Dziekana Szkoły Doktorskiej Uniwersytetu Ekonomicznego we Wrocławiu, legitymującej się nr PESEL: 78120509442, zwanej dalej **Upoważnionym**.

§ 1

Upoważniający udziela Upoważnionemu upoważnienia do:

1) podpisania Raportu samooceny jakości kształcenia w Szkole Doktorskiej Uniwersytetu Ekonomicznego we Wrocławiu, sporządzonego za okres od 01.10.2019 r. do 18.12.2024 r. (dalej: „Raport samooceny"),
2) dokonywania uzupełnień do Raportu samooceny,
3) zgłaszania uwag do Raportu samooceny,
4) zgłaszania zastrzeżeń do oceny.

§ 2

Upoważniający udziela Upoważnionemu upoważnienia na czas niezbędny do przeprowadzenia procesu samooceny o którym mowa w § 1.

§ 3

Upoważnienie wygasa z:

1) chwilą odwołania upoważnienia,
2) dniem rozwiązania lub wygaśnięcia stosunku pracy łączącego Upoważnionego z Uniwersytetem Ekonomicznym we Wrocławiu.

§ 4

Upoważniony nie może upoważniać innych osób do dokonywania czynności określonej w § 1.

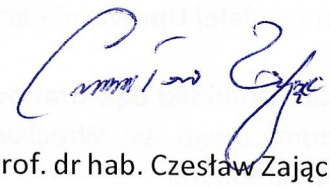
§ 5

W kwestiach nieunormowanych w niniejszym upoważnieniu stosuje się odpowiednie przepisy Kodeksu cywilnego.

§ 6

Upoważnienie zostało sporządzone w trzech jednobrzmiących egzemplarzach.

Rektor



prof. dr hab. Czesław Zając

KEN

2023-2027

NATIONAL INFORMATION PROCESSING INSTITUTE

Minister of Science
Republic of Poland

Assessment of the quality of education in doctoral schools
is made by the Science Evaluation Committee

The Evaluation System of Doctoral Schools
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