



Instytut Katalizy i Fizykochemii Powierzchni
im. Jerzego Habera
Polskiej Akademii Nauk



HR EXCELLENCE IN RESEARCH

FORM FOR EMPLOYERS

INSTITUTION . Jerzy Haber Institute of Catalysis and Surface Chemistry, Polish Academy of Sciences

CITY . Krakow

POSITION Assistant professor (post-doc) (adjunct) (M/F/X)

DISCIPLINE .

- heritage science
- Chemistry
- polymer science

POSTED October 19th 2026

EXPIRES November 19th 2026, 3:00 pm GMT+1

WEBSITE www.ikifp.edu.pl

KEY WORDS wool degradation, preservation of tapestries, polymer degradation, conservation science

DESCRIPTION (field, expectations, comments):

The Jerzy Haber Institute of Catalysis and Surface Chemistry of the Polish Academy of Sciences in Krakow announces a competition for the position of Assistant professor (post-doc) in the group Cultural Heritage Research for the implementation of the project NCN OPUS-30 "Evaluating wool deterioration in historical tapestries to support their conservation" (2025/59/B/HS2/01489)..

The competition is open to persons who meet the conditions set out in the Act on the Polish Academy of Sciences of 30 April 2010 (Journal of Laws 2020, item 1796, as amended), Article 89, Section 3.

In particular, the responsibilities will include:

ul. Niezapominajek 8, 30-239 Kraków, Polska
tel. +48 12 639 51 01, +48 12 425 19 23
fax +48 12 425 19 23

Nr konta: Bank Gospodarstwa Krajowego
PL 36 1130 1150 0012 1186 5820 0004
NIP: 6750001805, REGON: P-000326351



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- developing an appropriate method for the artificial aging of wool yarns and conducting experiments;
- conducting experiments using dynamic mechanical analysis and static strength tests with a biaxial tester;
- determining optimal chemical and physical indicators of degradation and damage to yarns and fabrics;
- determining the damage function for woolen tapestries—that is, a function that analytically links a specified decline in chemical or physical properties to degrading factors such as acidity, dye, metal ions (components of the dye bath), or the temperature and humidity in the fabric's environment.

Required education level:

Doctoral degree in one of the following disciplines: chemistry, chemical engineering, material science and related disciplines.

Skills / qualifications:

- Experience in analysis of properties of polymer materials
- Experience in investigation of degradation of polymer materials using spectroscopic, diffraction and chromatographic methods.

Detailed requirements

The candidate's application should include:

1. employment application
2. copy of the diploma conferring the doctoral degree
3. full curriculum vitae
4. at least one opinion about the candidate from the previous supervisor
5. list of scientific achievements

Required languages

- English (B2)

Required research experience

more than 10 years.

Additional information

Salary:

Gross salary will amount to 9 000,00 - 9 700,00 PLN per month depending on the candidate's experience.

Qualification criteria

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Criterion	Points from	Points to	Minimum
Experience in analysis of properties of polymer materials, supported by JRC publications.	0	20	10
Experience in investigation of degradation of polymer materials, supported by JRC publications.	0	20	10
Experience in the area of heritage science, supported by JRC publications.	0	10	0

Maximum number of points: 50.

Selection process

Applications for the competition should be submitted electronically via the platform <https://praca.ikifp.edu.pl>.

The deadline for submitting documents is **2026-11-19 03:00 pm GMT+1**. The competition will be concluded by **2026-12-09**. Candidates will be informed about the outcome.

Employment will be offered for a period of **24 months** in accordance with applicable regulations.

In the case of candidates with equivalent qualifications or if clarification of submitted information is needed, selected candidates may be invited to an online interview.

Additional information

The Institute has been adapted to the needs of persons with disabilities. The Institute does not provide accommodation.

The Jerzy Haber Institute of Catalysis and Surface Chemistry of the Polish Academy of Sciences, awarded the HR Excellence in Research Award by the European Commission, fully supports and applies the principles of open, transparent and merit-based recruitment (OTM-R). The Institute fully endorses and follows the [OTM-R policy](#) as one of the pillars of the European Charter for Researchers and Code of Conduct for the Recruitment of Researchers, as well as a key element of the HR Strategy ([HRS4R](#)).