



KSN 3/2025

Kraków, 21.03.2025

Research assistant in the Cultural Heritage Research Group

- Employer: Jerzy Haber Institute of Catalysis and Surface Chemistry Polish Academy of Sciences, Krakow, Poland
- Research field:
 - Physics > Experimental physics > determination of historic material physicochemical and mechanical properties.
 - Mechanical engineering > determination of historic material physicochemical and mechanical properties,
 - Material science > determination of historic material physicochemical and mechanical properties,
- Researcher profile: R1 or R2
- Deadline for applications: 22.04.2025, time 15.00 GMT+1
- Place: Poland, Krakow
- Type of Contract: at least 24 months
- Job Status: full time
- Working hours/week: 40
- Start of employment: 01.06.2025

Jerzy Haber Institute of Catalysis and Surface Chemistry Polish Academy of Sciences, Krakow, Poland opens a position of a research assistant in the Cultural Heritage Research Group of the Institute.

The candidates who meet the conditions stated in the act “Ustawa o Polskiej Akademii Nauk” dated 30 April 2010 (Dz.U. 2018 poz. 1475 z póź. zm.), art 89. Ust. 4 for the position of research assistant are encouraged to apply for the position.

The assistant, supervised by the group leader, will be responsible for the operation of the research laboratory. Additionally, he will work on determining the mechanical properties of the materials that make up heritage objects - historical and contemporary - using universal testing machines, a dynamic mechanical analyzer, climate chambers, a HIROX microscope scanner and speckle interferometry, and on determining the interaction of these materials with water vapor based on measurements of water vapor sorption and moisture expansion. An important element of the work will be the preparation of material samples for testing according to traditional recipes.



The research assistant will be responsible for:

- effective work of the research laboratory,
- preparation of samples of historical and contemporary materials,
- characterization of a wide group of historical and contemporary materials using the techniques listed above.

Required education:

Master's degree in one of the following disciplines: mechanical engineering, physics, material science, chemical engineering or similar.

Skills/Qualifications:

1. Experience in mechanical characterisation of materials, preferably supported by JRC publications – 0-20.
2. Experience in the experimental determination of physicochemical properties of materials relevant to heritage objects, preferably supported by JRC publications – 0-10.
3. Experience in non-destructive testing of materials, preferably supported by JRC publications – 0-30.

The minimal number of points required for admission – 30.

Specific requirements:

- an application,
- Consent to the processing of personal data for the needs necessary to carry out the recruitment process in accordance with the Act of 29 August 1997 on the protection of personal data (t.j. Dz. U. z 2016 r. poz. 922, z 2018 r. poz. 138, 723.) [[FORM](#)] and fill in the form „Consent to the processing of personal data” confirming acquainting with its content [[FORM](#)]. The form is available on the institute [website](#).
- a copy of master or PhD degree certificate,
- full CV (including information on maternal leaves, voluntary work and periods of work in the industry),
- list of scientific achievements (scientific papers, research and implementation projects, grants etc.).

Languages:

Fluent in written and spoken English

Research experience:

- determination of mechanical properties of materials,
- determination of physicochemical properties of materials.



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



HR EXCELLENCE IN RESEARCH

Additional information:

Remuneration:

The gross salary is 5000-5400 PLN/month (roughly 1200 Euro/month) depending on the Candidate's experience.

Eligibility criteria:

- Research experience documented by scientific publications in journals enlisted in JCR or patents and carried grants,
- Master's degree in one of the following disciplines: mechanical engineering, physics, material science, chemical engineering or similar.

Selection process:

Applications should be sent in electronic form to: sekretariat@ikifp.edu.pl with the subject title „CHR – assistant - KSN 3/2025”

Deadline for applications: 22.04.2025 at 15:00 GMT+1.

The two-phase evaluation will take place. The group of selected candidates will be asked to participate in an individual meeting using the Teams platform.

The competition will be settled by 20.05.2025. The candidates will be notified of the results.

The employment will proceed in accordance with the rules of the Labour Code for at least 24 months.

Additional information:

The Institute has been adapted to the needs of the disabled. The Institute does not provide accommodation.

Jerzy Haber Institute of Catalysis and Surface Chemistry, Polish Academy of Sciences, awarded the HR Excellence in Research Award by the European Commission in recognition of ongoing commitment to adopt the principles of The European Charter for Researchers (ECR) and a Code of Conduct for the Recruitment of Researchers (CCRR) fully supports and applies open, transparent and merit-based recruitment (OTM-R) procedures. The Institute is dedicated to implementing and strengthening the [OTM-R policy](#) as one of the pillars of the ECR and CCER and one of the crucial components of the Human Resources Strategy for Researchers ([HRS4R](#)).

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