

## FORM FOR EMPLOYERS

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

CITY . Krakow

POSITION Research Assistant

DISCIPLINE .

- Mechanical engineering > determination of historic material physicochemical and mechanical properties,
- Material science > determination of historic material physicochemical and mechanical properties,
- Physics > solid state > determination of historic material physicochemical and mechanical properties.

POSTED December 9<sup>th</sup> 2024

EXPIRES February 10<sup>th</sup> 2025, 3:00 pm GMT+1

WEBSITE [www.ikifp.edu.pl](http://www.ikifp.edu.pl)

KEY WORDS non-destructive testing, cultural heritage, mechanical properties, materials characterisation

DESCRIPTION (field, expectations, comments):

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 research assistant reporting to the head of the Cultural Heritage Research group will work on physicochemical characterisation of materials constituting heritage objects – historical and contemporary – and determination of their mechanical parameters using universal testing machines, a dynamic mechanical analyser, a water vapour sorption measurement system and an atomic force microscope.

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.

#### **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](mailto:sekretariat@ikifp.edu.pl) with the subject title „CHR – assistant - KSN 8/2024”

Deadline for applications: 10.02.2025 at 3:00 pm 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 15.03.2025. 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.

In the case of candidates with equivalent qualifications or a need for further clarification of information provided selected candidates will be asked to participate in an on-line interview.

#### **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](#)).