

KSN 8/2025

Krakow 28.08.2025

## Associate Professor

- Employer: Jerzy Haber Institute of Catalysis and Surface Chemistry Polish Academy of Sciences, Krakow, Poland
- Research field:
  - Chemistry > catalysis, photocatalysis
  - Chemistry > material engineering
  - Chemistry > physical chemistry
- Researcher profile: R3
- Deadline for applications: 01.10.2025, 3:00 pm GTM+1
- Place: Poland, Krakow
- Type of Contract: temporary, minimum 24 months
- Job Status: Full-time
- Working hours/week: 40
- Start of employment: 01.11.2025
- Key Words: catalysis, photocatalysis, synthesis, plasmonic materials, surface analysis.

Jerzy Haber Institute of Catalysis and Surface Chemistry PAS invites applications for an Associate Professor. 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. 2 for the position of Associate Professor are encouraged to apply for the position.

The candidate will be responsible for conducting scientific research as well as defining research objectives, organizing the work, and providing substantive supervision of a research group carrying out original experimental studies in the field of catalysis and photocatalysis, with particular emphasis on plasmonic photocatalysis.

### **In particular, the candidate will be responsible for:**

- Synthesizing new materials for catalytic applications (with particular emphasis on plasmonic systems), environmental remediation, energy storage, etc.;
- Physicochemical characterization of the obtained materials;
- Performing catalytic tests under photocatalytic and thermally assisted (light-enhanced) catalytic conditions;
- Acting as a leader and mentor for research group members, PhD students, and undergraduate students;
- Actively applying for research funding from external sources;
- Actively disseminating results through scientific publications and conference presentations.

### **Required education:**

- A habilitated doctor degree or the title of professor in the field of natural sciences, within the disciplines of chemistry, chemical engineering, materials engineering, or related fields.
- For a person permanently residing abroad, at least a doctoral degree and research experience



equivalent to a habilitated doctor degree (R3 or R4).

**Skills/qualifications:**

- Experience in materials engineering including the design, synthesis, and physicochemical characterization of advanced materials for catalytic applications, environmental remediation, and energy storage; 0–20 points.
- Experience in testing systems for applications in efficient energy storage, catalysis, electrocatalysis, photocatalysis, and plasmonic photocatalysis; 0–20 points.
- Experience in leading a research/project team and mentoring; 0–20 points.
- Experience in successfully obtaining funding from external sources; 0–20 points.

The minimum number of points required for admission – 55 points

**Specific requirements:**

1. An application.
2. Completed and signed “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 “Information obligations – recruitment of a perspective employee/collaborators” confirming acquainting with its content [\[FORM\]](#).
3. A copy of the diploma conferring the doctoral degree.
4. A copy of the diploma conferring the habilitated doctor degree, or a brief description of experience confirming an equivalent scientific standing in the case of permanent residence abroad.
5. Full CV (including information on maternal leaves, voluntary work and periods of work in the industry).
6. List of scientific achievements (scientific papers, patent, patent applications, grants, research project team supervision, etc.).

**Languages:**

Good command of the English language in speech and writing.

**Research experience:**

- 4–10 years of experience in physical chemistry,
- Knowledge of material synthesis methods, including catalytic materials containing metallic nanoparticles,
- Knowledge of material characterization methods for applications in catalysis, environmental remediation, energy storage, and related fields,
- Organizational experience in the workplace,
- Experience in leading and organizing the work of a research/project team,
- Experience in successfully obtaining funding from external sources,

**Additional information:**

**Remuneration:**



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



HR EXCELLENCE IN RESEARCH

Gross salary: minimum 10,000 PLN/month, depending on the Candidate's experience. The Candidate will also receive additional funds under the so-called Own Research Fund of ICSC PAS (starting grant, funding period: 2 years, amount: 80,000 PLN/year), the use of which is governed by the provisions of §3 of the [Regulations on Funding Scientific Activities within the Own Research Fund of ICSC PAS](#).

#### Eligibility criteria:

- Documented scientific experience confirmed by publications listed in JRC, ongoing projects, substantive supervision of research team work, and participation in conferences.
- Possession of the degree of habilitated doctor, or, in the case of a person permanently residing abroad, at least a doctoral degree, in one of the aforementioned disciplines.

#### Selection process:

Applications for the Competition should be sent electronically to [jobs@ikifp.edu.pl](mailto:jobs@ikifp.edu.pl), with the subject line "KSN 8/2025".

The deadline for submitting documents is **October 1, 2025** at 3:00 pm GTM+1. The competition will be concluded by **October 20, 2025**. Candidates will be notified about the result.

**The employment will be carried out in accordance with the Labour Code for a period of 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 policy](#)) 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).