

Assistant Professor (Adjunct) in the group of *Interfacial interactions in dispersed systems*

- Employer: Jerzy Haber Institute of Catalysis and Surface Chemistry Polish Academy of Sciences, Krakow, Poland
- Research field: Chemistry > physical chemistry, colloid and surface chemistry
- Researcher profile: R2
- Deadline for applications: 05.04.2021, 3:00 pm GTM+1
- Place: Poland, Krakow
- Type of Contract: at least for 12 months
- Job Status: Full-Time
- Working hours/week: 40
- Start of employment: 01.09.2021
- Key Words: thin liquid films, dispersed systems

Jerzy Haber Institute of Catalysis and Surface Chemistry PAS invites applications for an Assistant Professor in the **Interfacial interactions in dispersed systems** group.

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. 3 the position of Assistant Professor (Adjunct) are encouraged to apply for the position.

The Candidate will be involved in experimental, as well as theoretical (computational), studies related to the stability of dispersed systems, drainage of symmetrical and asymmetrical thin liquid films formed under dynamic and quasi-static conditions in term of the mineral processing industry, with a particular emphasis on hydrodynamic and physicochemistry of surface phenomena, adsorption and interfacial forces in thin liquid films, and modification of solid surfaces.

In particular, the Assistant Professor (Adjunct) will be responsible for:

- Conducting research work in accordance with the Institute's profile, with a particular emphasis on the study of phenomena occurring during the formation of liquid films under dynamic and quasi-static conditions at various interfaces in relation to the stability of dispersed systems;
- Planning and analysis of the results of experiments and preparation of publications.
- Research project applications.

Required education:

PhD Diploma in chemistry or related.

Skills/Qualifications:

- 1) Scientific achievements including publications from JCR list and conference presentations.
- 2) At least 6 months (24 weeks) post-doc experience in the institution(s) different from that where the Candidate received PhD

The experience in (proven by publications from JCR or patents list):

- 3) physicochemical fundamentals of thin liquid films formed at various interfaces and modification of solid surfaces,
- 4) the field of hydrodynamics and physical chemistry with a particular emphasis on interfacial phenomena, with use of theoretical (kinetics of thin liquid films drainage) and experimental techniques (adsorption kinetics, coalescence, hydrophilic/hydrophobic properties of solid surfaces),
- 5) digital image analysis.

Specific requirements:

- 1) An application.
- 2) 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.) and fill in the form „Consent to the processing of personal data” confirming acquainting with its content. The form is available on the institute website [[FORM](#)].
- 3) A copy of the scientific degree certificate.
- 4) Full CV (including information on maternal leaves, voluntary work and periods of work in the industry).
- 5) At least one opinion on the Candidate given by an independent researcher.
- 6) List of scientific achievements (scientific papers, patents, patent applications, etc.).
- 7) The Candidate’s report on his/her scientific interests and research plans (an A4 page).

Languages:

Fluent English in speech and writing.

Research experience:

4-10 years in research in chemistry related to the dispersed systems and thin liquid films.

Additional information:

Remuneration:

The gross salary will be at least **4700 PLN/month** (c.a. **1040 Euro/month**) depending on the Candidate’s experience.

Eligibility criteria:

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in PLN: PL 36 1130 1150 0012 1186 5820 0004
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SWIFT: GOSKPLPW, VAT Number: PL 6750001805

- Doctoral degree in chemistry or related area.
- Documented research achievements confirmed by publications from the JCR list or patents confirming the required experience.
- Required qualifications documented by publications, in particular experience in conducting research on thin liquid films and modification of solid surfaces.
- Participation in a research internship/internships in centers other than those where the doctoral degree was obtained.

Selection process:

Applications should be sent in the electronic form to sekretariat@ikifp.edu.pl with the subject title “OMUZ – adjunct – KSN 1/2021”.

Deadline for applications: **05.04.2021** at 3:00 pm GTM+1. The competition will be settled by **19.04.2021** The candidates will be notified of the results.

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

Additional information:

The Institute has been adapted to the needs of the disabled. The Institute does not provide accommodation. The recruitment process is conducted according to [OTM-R](#) policy.