



## Adjunct in the group of "Soft Matter Nanostructures" in the research topic "Physical chemistry and rheology of multiphase systems"

- Employer: Jerzy Haber Institute of Catalysis and Surface Chemistry Polish Academy of Sciences, Krakow, Poland
- Research field:
  - Chemistry > physical chemistry
  - Chemistry > colloids
  - Chemistry > dispersed systems – foams, emulsions, gels
- Researcher profile: R2, R3
- Deadline for the applications: **18.11.2023**, at **3:00 pm GTM+1**
- Place: Poland, Krakow
- Type of Contract: 18 months with the possibility of extension
- Job Status: full time
- Working hours/week: 40
- Start of employment: 01.02.2024 (starting date can be changed)
- Keywords: dispersed systems, foams, emulsions, biomaterials, adsorption, biosurfactants, nanoparticles, macro-aggregates

Jerzy Haber Institute of Catalysis and Surface Chemistry Polish Academy of Sciences, Krakow, Poland opens a position of an Adjunct (research assistant) in the Soft Matter Nanostructures research group on the research topic "Physical chemistry and rheology of multiphase systems". Research topic is supervised by Marcel Krzan, PhD DSc.

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 for the position of adjunct are encouraged to apply for the position.

The Candidate will participate in the Soft Matter Nanostructures group research on the "Physical chemistry and rheology of multiphase systems".

The adjunct, supervised by the subject manager, will develop interactive foams based on biosurfactants, biopolymers and nanoparticles.

The adjunct will be responsible for:

- Development of recipes for interactive foams and emulsions based on biomaterials,



- Testing the physicochemical, mechanical and cytotoxic properties of the developed dispersed systems,
- Analyzing, interpreting, processing results, and preparing publications.

**Required education level:**

PhD in one of the following disciplines: chemistry, chemical engineering, materials engineering or similar.

**Skills/Qualifications supported by JRC publications:**

1. Minimum 4 years of experience in the development of colloidal systems (gels) and/or dispersed systems (foams or emulsions) based on biomaterials, confirmed by scientific achievements and/or certificates; 0-20 points;
2. Knowledge of methods for the characterization of biomaterials and nanomaterials confirmed by scientific achievements and/or certificates; 0-20 points
3. Minimum 6 months of scientific experience gained in a foreign scientific unit or in several foreign scientific units); 0-20 points
4. At least 9 months of research experience gained as part of a post-doc in a new research topic, unrelated to the topic of the previous doctoral thesis (the internship described in this point cannot simultaneously be the foreign internship described in point 3); 0-20 points.
5. The applicant can obtain up to 20 points for distinctions and awards for scientific work.

The minimal number of points required for admission: 85 point

**Specific requirements:**

An application should contain:

- a letter of 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 "Information obligations – recruitment of a perspective employee/collaborators" confirming acquainting with its content [[FORM](#)] (both documents filled and signed by the Candidate),
- a copy of PhD degree certificate,
- full CV (including information on maternal leaves, voluntary work and periods of work in scientific institutions or industry),
- at least one opinion about the Candidate from the previous supervisor, preferably issued by an independent researcher,
- list of scientific achievements (scientific papers, patents, research and implementation projects, grants, conferences etc.)



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



HR EXCELLENCE IN RESEARCH

- the Candidate's report on his/her scientific interests and research aims (maximum 3 pages A4)

### Languages:

Fluent in written and spoken English.

### Research experience:

- At least 4 years of experience in research in the chemistry of colloids and/or dispersed systems
- Working knowledge of nanomaterials characterization methods.

### Remuneration:

- The gross salary is at least 7000 PLN/month brut (roughly 1100 Euro/month net) depending on the Candidate's experience.

### Eligibility criteria:

- Research experience documented by scientific publications in journals enlisted in JCR or patents and conference presentations.
- PhD in one of the following disciplines: chemistry, chemical engineering, materials engineering or similar.

### Selection process:

Applications should be sent in electronic form to: sekretariat@ikifp.edu.pl with the subject title "PChRMS NMM KSN 6/2024"

Deadline for applications: **18.11.2024 at 3:00 pm GMT+1.**

Selected candidates can be asked to participate in individual meetings using a team platform.

The competition will be settled by 29.11.2024.

The candidates will be notified of the results. The employment will be proceeded according to the rules of the Labour Code for 18 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 adapted to the needs of people with disabilities. 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

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



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



HR EXCELLENCE IN RESEARCH

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