

## FORM FOR EMPLOYERS

INSTITUTION: Institute of Organic Chemistry of the Polish Academy of Sciences

CITY: Warsaw

POSITION: Post-doc

DISCIPLINE: Chemistry

POSTED: 06.12.2024

EXPIRES: 15.01.2025

WEBSITE: <https://www.icho.edu.pl/en/>

KEY WORDS: *photoelectrochemistry, biomass, sustainable chemistry, organic chemistry, photocatalysis*

**Project/Grant title: "Photoelectrochemical Biomass Conversion - a step towards sustainable synthesis of chemical compounds"**

**Number of positions available: 1**

**Researcher profile: R2**

**Job description:**

In particular, the main tasks will involve:

- developing photoelectrochemical methods for biomass and its derivatives conversion,
- developing photoelectrochemical methods for organic synthesis,
- analytical characterization of synthesized compounds,
- developing of new interfacial photoelectrochemical reactions (anodic oxidation and cathodic reduction)
- determining mechanism of developed reactions
- supervising students on a daily bases
- preparation of manuscripts and reports
- literature and data analysis

FENG.02.02-IP.05-0103/23

*The „Photoelectrochemical Biomass Conversion - a step towards sustainable synthesis of chemical compounds” project is carried out within the FIRST TEAM programme of the Foundation for Polish Science co-financed by the European Union under the European Funds for Smart Economy 2021-2027 (FENG).*

- **Envisaged job starting date:** 01.03.2025

**Offer:**

- **Terms of employment:** full-time job, employment for 12 months with possible extension, 14 000 PLN per month including employer's costs (~ 11 700 PLN gross)
- **Benefits:** *private medical care package, co-financing of sports cards*
- **Career development opportunities:**
  - work in dynamic team,
  - access to research infrastructure,
  - professional development in the field of photoelectrochemistry, photocatalysis and electrochemistry
  - the possibility of further professional development at the IOC PAS

**Requirements:**

**PhD degree in chemistry (specialisation: organic chemistry) obtained no earlier than 7 years before employment in the project (with inclusions in accordance with the FNP regulations) or an expected date of obtaining the PhD degree before the date of commencement of work.**

**required competences**

- experience in organic chemistry or related;
- analysis and interpretation of experimental data (NMR, MS, UV/Vis);
- demonstrated experience in research work
- good written and oral communication skills in English;
- Personal skills: strong motivation for scientific work, ambition, creativity, goal-orientation, responsibility, ability to work independently as well as in a group; excellent communications, organization and time management skills, willingness to learn, analytical thinking and critical problem solving skills;

**desirable competences**

- excellent knowledge of organic chemistry and organometallic chemistry,
- expertise in data analysis and interpretation, especially in trouble shooting during the research;

**Candidate evaluation criteria:**

- scientific achievements measured by the quality and quantity of scientific publications or granted/pending patents
- competences of the Candidates for specific tasks in a research project
- career mobility (research internships, work in industry, change of scientific profile)
- awards and distinctions of the Candidates resulting from the conducted research
- language knowledge enabling conducting scientific research



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*The interviews with selected Candidates are scheduled to take place on January 24th, 2025.*

**List of required documents:**

- Candidate's Curriculum Vitae including a list of scientific achievements (scholarships, publications, participation in conferences)
- diplomas and certificates confirming qualifications, completed courses, completed training, etc.
- motivation letter;
- two recommendation letters;

*Along with the required documents, please send a scan of a signed consent to the processing of personal data available at: <https://www.icho.edu.pl/en/cooperations/career/>*

**Competition settlement date:** 31-01-2025

Project manager: Katarzyna Rybicka-Jasińska  
e-mail: [katarzyna.rybicka-jasinska@icho.edu.pl](mailto:katarzyna.rybicka-jasinska@icho.edu.pl)

**The form of submitting applications:** e-mail: [rekrutacja@icho.edu.pl](mailto:rekrutacja@icho.edu.pl)

**ATTENTION! In the title of the e-mail, please enter "Recruitment – Katarzyna Rybicka-Jasińska"**