



Assistant professor in the group of researchers and teaching staff Institute of General and Ecological Chemistry, Faculty of Chemistry

Lodz University of Technology is one of the finest universities of technology in Poland. Its tradition and experience in training professionals and conducting research date back 80 years. It is an attractive partner for business. It cooperates with the largest national and international corporations. It conducts research of a European standard, develops new technologies and creates innovation in collaboration with the leading research centres all over the world. One of the pillars of Lodz University of Technology management is equal treatment of staff regardless of their gender, age, race or other demographic and social characteristics. In 2016, TUL was the first technical university in Poland to receive the HR EXCELLENCE IN RESEARCH award certifying that the University adheres to the principles of *the European Charter for Researchers and the Code of Conduct for the Recruitment of Researchers*.

1. The requirements to be met by the candidate

- PhD degree in chemical sciences and an engineer's degree;
- scientific achievements in the field of heterogeneous catalysis, documented by at least 8 publications in JCR-listed journals;
- documented research internship at a foreign scientific institution lasting at least 4 weeks related to the photocatalysis;
- experience in working with low-temperature non-equilibrium plasma;
- fluent knowledge of Polish in speech and writing necessary to conduct research, teaching and organizational activities;
- advanced knowledge of English to the extent that allows independent preparation of scientific publications;
- experience in operating equipment such as gas chromatograph (GC), high-performance liquid chromatograph (HPLC) and high-pressure reactors (autoclave, flow reactor), which is documented in publications;
- experience in handling and performing measurements using temperature-programmed techniques (TPD-NH₃, TPD-CO₂, TPR, TPO), low-temperature nitrogen adsorption (BET) and infrared spectroscopy (FTIR) with interpretation and data analysis;
- knowledge of research techniques such as SEM-EDS, XRD, XPS;
- knowledge of homogeneous and heterogeneous catalysis, preparation, and characterization of catalysts;
- theoretical and practical knowledge of photocatalytic processes;
- experience in teaching and laboratory instruction in chemical engineering, adsorption, and catalysis;
- experience in performing chemical reactions using pressure reactors;
- practical knowledge of MS Office, Origin, MATLAB, CHROMAX, OMNIC;
- experience in preparing manuscript publications and presentations at scientific conferences;
- ability to independently plan and organize experimental work and conduct data analysis;
- ability to prepare scientific reports;
- ability to work in a team;



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- attention to detail and willingness for continuous development;
- conscientiousness, availability, and commitment;
- openness to new concepts, ease of acquiring knowledge;

2. Working conditions:

- Full-time,
- Expected start date: 1 November 2025

3. Description of expected tasks and responsibilities:

The research topics carried out by the employee will include:

- preparation of heterogeneous catalysts for the production of biofuels and hydrogen;
- synthesis of nanomaterials using low-temperature non-equilibrium plasma;
- investigation of the physicochemical and catalytic properties of heterogeneous catalytic systems in reactions conducted at atmospheric and elevated pressures;
- hydrogen production via catalytic reforming of alcohols (methanol, ethanol) and hydrocarbons (methane, natural gas);
- studying reaction mechanisms in the gas phase.

Expectations:

- preparing research proposals;
- Independently preparing scientific papers for publication in JCR-listed journals;
- participating in the development of new laboratory exercises carried out as part of courses closely related to the subject of adsorption and catalysis, as well as chemical engineering;
- preparation of periodic reports on the research topics being pursued;
- conducting teaching activities in Polish and English;
- supervision of diploma theses;

4. List of the required documents:

- 1) Application for employment to the Rector of Lodz University of Technology;
- 2) Curriculum vitae with list of academic and didactic achievements;
- 3) Personal questionnaire for a person applying for employment at Lodz University of Technology, as provided in Annex no. 1.1 to the OTM-R POLICY - OPEN TRANSPARENT MERIT BASED RECRUITMENT;
- 4) Data Privacy Statement as provided in Annex no. 1.2 to the OTM-R POLICY - OPEN TRANSPARENT MERIT-BASED RECRUITMENT;
- 5) Consent to the processing of personal data, as provided in Annex no. 1.3 to the OTM-R POLICY - OPEN TRANSPARENT MERIT-BASED RECRUITMENT;
- 6) true copies/copies of diplomas;
- 7) other documents proving the qualifications.

5. The place, manner, and deadline for submitting the documents:

Deadline for submitting offers: 06.10.2025.

Form of submitting offers: e-mail: aneta.weglinska@p.lodz.pl



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6. Contact person and postal and e-mail addresses to which documents or scans thereof may be forwarded: Aneta Węglińska, e-mail: aneta.weglinska@p.lodz.pl

7. The expected date of the announcement of the decision: 15.10.2025 r.



**PERSONAL INFORMATION FORM FOR APPLICANTS FOR EMPLOYMENT AT
ŁÓDZ UNIVERSITY OF TECHNOLOGY**

1. First name(s) and family name
2. Date of birth
3. Contact details
4. Education (where required for specific duties or jobs)
.....
(name of school and graduation date)
.....
.....
(occupation, specialisation, degree, professional title, academic title)
5. Professional qualifications (where required for specific duties or jobs)
.....
.....
(courses, postgraduate education, other forms of further development of knowledge and skills)
6. Employment history (where required for specific duties or jobs)
.....
.....
.....
(employment periods and jobs held at previous employers')
7. Additional personal information, where the right or the duty to disclose it exists under specific regulations
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.....
(place and date)

.....
(signature of the applicant)



Data Privacy Statement for job candidates

1. The administrator of your data processed as part of the recruitment process is Lodz University of Technology (address: 90-924 Lodz, 116 Żeromskiego St., phone: +48 42 631 29 29), represented by the Rector as the employer.
2. At the Lodz University of Technology you can contact the Data Protection Officer at: iod@adm.p.lodz.pl phone: +48 42 631 20 39.
3. Lodz University of Technology will process your personal data to the extent indicated in the labor legislation for the purpose of the current recruitment procedure (Article 6(1)(b) of the GDPR), while other data, including contact data, on the basis of consent (Article 6(1)(a) of the GDPR), which may be revoked at any time.
4. Lodz University of Technology will process your personal data, also in subsequent recruitment of employees, if you give your consent (Article 6(1)(a) GDPR), which may be revoked at any time.
5. If the documents include data referred to in Article 9(1) of the GDPR, your consent to their processing will be required (Article 9(2)(a) of the GDPR), which may be revoked at any time. (Article 22 of the Labor Code and §1 of the Regulation of the Minister of Family, Labor and Social Policy of December 10, 2018 on employee records).
6. Personal data will be disclosed to persons acting under the authority of the controller and having access to personal data, processing them only on the instructions of the controller, unless required by European Union or Member State law.
7. Your data collected in the current recruitment process will be stored until the end of the recruitment process. In the case of your consent to the use of personal data for future recruitment, your data will be used until the end of the calendar year in which the recruitment process for which your application was submitted ended.
8. You have the right to:
 - a) the right to access your data and to receive a copy of it;
 - b) the right to rectify (correct) your personal data;
 - c) the right to restrict the processing of your personal data;
 - d) the right to delete your personal data;
 - e) the right to lodge a complaint with the President of the Personal Data Protection Office (to the address of the Personal Data Protection Office: 2 Stawki St., 00 - 193 Warsaw)

Information on data requirement: Your submitting personal data to the extent of Article 221 of the Labor Code is necessary to participate in the recruitment procedure. Your provision of other data is voluntary.

.....
(date and signature of the candidate)



Candidate's consent to personal data processing under Article 7 GDPR

I consent to the processing of my personal data for the purpose and to the extent necessary to carry out the recruitment for the job in accordance with Regulation (EU) 2016/679 of the European Parliament and of the Council of 27 April 2016 on the protection of natural persons with regard to the processing of personal data and on the free movement of such data and repealing Directive 95/46/EC (General Data Protection Regulation), publ. Official Journal of the EU L No. 119, p. 1. Consent is voluntary. Failure to give consent entails the inability to participate in the recruitment process. Consent may be withdrawn at any time, but without affecting the legality of the processing of personal data carried out on the basis of consent before its withdrawal.

.....
(date and signature of applicant)

* delete as appropriate