

OFFICIAL FORM FOR EMPLOYMENT OPPORTUNITY ADVERTISERS

INSTITUTION: Lodz University of Technology, Faculty of Process and Environmental Engineering

CITY/TOWN: Łódź
POSITION: **research assistant professor – Post-doc** in a project: Investigation of the synergy between ozone and novel plasma-deposited catalysts in hybrid electrochemical ozonation of micropollutants
SCIENTIFIC DISCIPLINE: **chemical engineering**
POSTING DATE: **11.04.2023**
APPLICATION DEADLINE: **17.05.2023**
WEBSITE LINK: **www.wipos.p.lodz.pl**
KEYWORDS: thin-film electrocatalysts, cold plasma, advanced oxidation processes, micropollutants, ozonation, water reuse

Assistant professor in a group of research, Faculty of Process and Environmental Engineering

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 more than 75 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 (detailed description of the knowledge, qualifications, skills, and professional experience).

- PhD degree in the field of engineering and technical sciences (preferred disciplines: chemical engineering, biomedical engineering, materials engineering, environmental engineering), obtained outside Lodz University of Technology, not earlier than 7 years before starting year of the employment in the project. This period can be extended due to long-term health issue (greater than 90 days) or due to family reasons eg. in the case of women - 18 months for each child born. A person who does not have a doctoral degree may be appointed to the competition, but must be obtained before signing the employment contract (in this case please provide the document indicating the date of the planned PhD viva);
- Outstanding scientific achievements and experience in the project research;
- Documented scientific achievements in the field of chemical engineering or biomedical engineering or material engineering or environmental engineering confirmed by publication in international journals;

- Documented participation in national and international scientific conferences (foreign internships will be an additional advantage);
- Experience in laboratory work (additional merit will be experience with cold plasma techniques or advanced oxidation processes or electrochemistry);
- Experience in scientific research: morphology and structure research methods (eg SEM, TEM, XRD, EDX, XPS) or experience in electrochemical or advanced oxidation processes (catalytic, electrooxidation, ozonation);
- Experience in preparation of scientific reports and papers in English, supported with at least four publications in journals listed in the “Register of scientific journals and peer-reviewed conference proceedings” published by the minister of science and higher education.
- Communicative knowledge of the Polish language (e.g. cooperation with subcontractors/suppliers, the accounting department, and the procurement department of the Lodz University of Technology are required).
- English language on at least C1 level.
- The Candidate must fulfill conditions specified in:
 - “Instructions for funding of tasks financed by the National Science Centre in the field of research projects”, an appendix to the Resolution of the Council of the National Science Centre no. 95/2020 from 14th September 2020.
 - “Instructions for granting scientific scholarships in research projects financed with resources of the National Science Centre”, an appendix to the Resolution of the Council of the National Science Centre no. 25/2019 from 14th March 2019.

Additional advantages will be:

- Experience in conducting research using chromatographic techniques;
- Experience in conducting experiments involving ecotoxicological analysis

Experience in the above analyzes is welcome, although they will not be the basic employment criterion. Commitment to work and scientific curiosity are more important.

2. Specification of the terms and conditions of employment and authority associated with the position.

- - employment under a research grant under an employment contract for a definite period from 1st October 2023 to 30th September 2024 (12 months), full-time, in the main place of work;
- - during the period of receiving this remuneration, they will not receive any other remuneration from the funds allocated as direct costs from research projects financed under NCN calls;
- - during the period of receiving this remuneration, he will not receive remuneration from another employer under an employment contract, including from an employer based outside Poland.
- - The total salary before taxing (brutto/brutto) is 10 000PLN/month

3. Description of the expected responsibilities and duties.

A post-doc appointed with this recruitment will partake in research tasks realized within a project „Investigation of the synergy between ozone and novel plasma-deposited catalysts in hybrid electrochemical ozonation of micropollutants”, managed by Prof. Marta Gmurek.

The Candidate’s anticipated responsibilities include:

- Planning and performing of experimental works and analysis of samples obtained during processes.

- Production and testing of thin-film catalytic systems preparing by the plasma deposition method (Plasma Enhanced Chemical Vapor Deposition (PECVD))
- Study of electrochemical and electrooxidative activities of the produced thin-film systems.
- Ecotoxicological tests
- Preparation of scientific publications according to requirements of chosen scientific journals, in Polish and English language.
- Preparation of periodic reports in Polish and English.

NCN funding scheme: SONATA
 Panel: ST
 Application deadline: 2023-05-17 10:00
 Application form: e-mail

4. List of the required documents:

- 1) application for employment to the Rector of Lodz University of Technology;
- 2) 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;
- 3) Data Privacy Statement as provided in Annex no. 1.2 to the OTM-R POLICY - OPEN TRANSPARENT MERIT-BASED RECRUITMENT;
- 4) Consent to the processing of personal data, as provided in Annex no. 1.3 to the OTM-R POLICY - OPEN TRANSPARENT MERIT-BASED RECRUITMENT;
- 5) true copies/copies of diplomas;
- 6) other documents proving the qualifications.

You can use the foreign equivalent of a Polish academic degree if it meets at least one of the following criteria:

- is covered by the provisions of an international agreement on the equivalence of education,
- was issued by an authorized institution operating in an EU, OECD or EFTA Member State,
- was issued in another country and recognized on the basis of the regulations on the recognition of academic degrees obtained abroad (learn more about the procedure for the recognition of academic degrees: <https://nawa.gov.pl/en/recognition/recognition-for-professional-purposes/recognition-of-scientific-degrees-and-titles>)

5. The place, manner, and deadline for submitting the documents (as well as information concerning their return);

The documents should be sent by e-mail to marta.gmurek@p.lodz.pl. All documents and appendices need to be submitted in PDF format (total size of the files should not exceed 10 MB).

The Candidates who fulfill the requirements will be invited for a personal interview. Information regarding the interview will be emailed to the Candidate.

6. Contact person details:

Additional information regarding the project is provided by the Principal Investigator – Prof. Dr. Eng. Andrzej Górak at marta.gmurek@p.lodz.pl by **17.05.2023 (until 10:00 a.m.)**.

7. The expected date of the announcement of the decision.

15.07.2023 r.

PERSONAL INFORMATION FORM
FOR APPLICANTS FOR EMPLOYMENT AT LODZ UNIVERSITY OF TECHNOLOGY

1. First name(s) and family name

2. Date of birth

3. Contact details
(provided by the applicant)

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.....
.....
.....

.....
(place and date)

.....
(signature of the applicant)

Data Privacy Statement for job candidates

Pursuant to Article 13(1) and (2) of 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, Official Journal of the EU L 119/1), hereinafter referred to as "GDPR", we inform you as follows:

- 1) Lodz University of Technology with the registered office in Lodz is the Controller of your personal data;
- 2) We have appointed a Data Protection Officer to supervise the compliance of personal data processing, who can be contacted in matters concerning the protection of your personal data at the following e-mail address: iod@adm.p.lodz.pl; telephone number: 42 631 2039; or in writing to the address of our registered office: Lodz University of Technology, Żeromskiego 116, 90-924 Łódź;
- 3) As the controller, we will process your data for the purpose of the recruitment process for the position indicated, based on your consent (Article 6(1)(a) GDPR);
- 4) You have the right to withdraw your consent to the processing of your personal data at any time, but such withdrawal shall not affect the lawfulness of the processing effected on the basis of your consent prior to its withdrawal;
- 5) You have the right to lodge an objection against the processing of the data as set out above at any time. We will cease to process your data for these purposes unless we can demonstrate that there are compelling legitimate grounds for us to do so which override your interests, rights, and freedoms, or that your data will be required for the possible establishment, assertion, or defense of claims;
- 6) Your personal data provided in the CV, personal information form for the applicant for employment, and copies of documents supporting your professional experience, education, additional credentials and qualifications will be processed for the period in which claims related to the recruitment process may arise, i.e. for 6 months following the conclusion of the recruitment process. For individuals who have given their consent to the processing of personal data for the purposes of future recruitment, for a period of 12 months following the conclusion of the recruitment process during which the consent has been given;
- 7) Only individuals authorized by the Controller to process your data in the performance of their duties will have access to your data;
- 8) Your personal data will not undergo automated processing and will not be subject to profiling;
- 9) Under GDPR, you shall further have:
 - a) the right to access your data and to receive copies thereof,
 - b) the right to rectification (amendment) of your data,
 - c) the right to erasure/to be forgotten, restriction of data processing,
 - d) the right to data portability,
 - e) right to file a complaint to the supervisory authority - President of the Personal Data Protection Office, Stawki 2, 00-193 Warsaw.

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

**Consent of the candidate to the processing of personal data
(pursuant to Article 7 GDPR)**

I consent to the processing of my personal data by Lodz University of Technology, the Controller of the data included in the following documents that I have submitted:

.....
.....

for the purpose of recruitment/employment*.

I hereby declare that I have been informed of the right to withdraw my consent at any time, effective as of the date of submission of the withdrawal of consent.

The Controller (or an authorised representative) has also informed me that the withdrawal of consent does not affect the lawfulness of the processing performed on the basis of the said consent prior to its withdrawal.

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

* delete as appropriate