

Unit name: Poznan University of Technology (PUT), Faculty of Chemical Technology
Position: Post-doc

Requirements:

Eligibility criteria:

The competition is open to persons who meet the requirements set forth in Article 113, 116(2)(3) of the Polish Law of July 20, 2018. Law on Higher Education and Science, and under § 76 (3) of the PUT Statute, meet the following eligibility criteria:

- have at least a doctoral degree;
- have relevant scientific achievements;
- take an active part in scientific life.

Qualification and project criteria:

- Obtaining a doctoral degree no earlier than 7 years before January 1, 2024.
- Obtaining a doctoral degree in an entity other than Poznan University of Technology.
- Within the last two years before employment in the project, no employment under a contract of employment in the entity where the research project will be carried out (PUT).
- During the period of drawing a salary within the framework of this project, the person employed within the framework of this project will not draw any other remuneration from funds allocated as direct costs from research projects financed within the framework of the Polish National Science Centre competitions;
- During the period of drawing remuneration within the framework of this project, a person employed within the framework of this project will not draw remuneration from another employer based on an employment contract, including an employer based outside the territory of Poland.

Other criteria

1. Ph.D. degree in chemical technology, chemical engineering, environmental engineering, biotechnology, or related fields (Ph.D. degree is required as of the employment start date, i.e. October 1, 2024).
2. At least 4 years of experience working in an experimental laboratory, preferably in biotechnology and/or bioprocesses and/or membrane bioreactors.
3. Proven scientific achievements in the topics of membrane and bioreactor process guidance and optimization (at least 2 scientific articles in peer-reviewed scientific journals as co-author, preferably as the first author).
4. Knowledge and experience in the conduct of membrane processes, design and optimization of bioreactor processes, experience in the use of enzymes and enzyme reactors, and the use of biomembranes and enzymatic processes in the preparation of samples for analysis. Experience in preparing microplastic samples for analysis will be an added advantage.
5. Predisposition to conduct scientific experimental work.
6. At least very good oral and written English skills (B2 level or equivalent, certified), ability to read, understand, and write in scientific English.
7. Knowledge and ability to operate computer software.
8. Analytical thinking, technical, and problem-solving skills.
9. Availability, desire for self-improvement, strong motivation for scientific work, creativity in solving problems, self-reliance, and ability to work in a team.

Job Description:

The work within the project *Bioactive membranes as tools in microplastic pollution count in the process of environmental samples analysis* will concern in particular: the designing and conducting of bioreactor processes using immobilized enzymes for model samples containing

selected pollutants and real samples; optimization of the process of environmental samples containing pollutants of different origin preparation for analysis, conducting the process of immobilization of enzymes on the surface of inorganic and/or polymeric membranes, controlling the conditions of the process and its efficiency, optimization of the conditions of immobilization of enzymes on membranes.

Project description available at: <https://bmmc.put.poznan.pl/>

The candidate's responsibilities will include:

- Planning and conducting of experiments within the project;
- Collecting and drawing conclusions from the obtained data to plan further experiments;
- Analysing and compiling the obtained research results; participating in the preparation of publication manuscripts and graphical presentation of the results; supporting the project manager in the preparation of project reports and publications;
- Participation in the promotion of the project results by preparing the obtained research results for presentation at scientific meetings/conferences, and presentation of the obtained results in English and/or Polish;
- Participation in the organization of laboratory operations;
- Assistance to less experienced members of the project team in other research conducted in the group;
- participation in supervising the work of students/ doctoral students to gain experience in mentoring less experienced colleagues.

The first stage of the competition procedure is the formal verification of the submitted documents. Offers that pass formal verification are subject to substantive evaluation during which a recruitment interview may be conducted (directly or via electronic communication channels), by prior arrangement with the Candidate.

When selecting Candidates, Poznan University of Technology is guided by the principles contained in the European Charter for Researchers and the Code of Conduct for the Recruitment of Researchers.

The competition may not be resolved due to a lack of candidates meeting the requirements.

Poznan University of Technology does not provide accommodation during the term of the contract.

NCN competition type: Sonata - ST

Deadline for application submission: July 26, 2024

Form of submission: e-mail

Terms of employment:

Duration: 18 months

Form of employment: fixed-term employment contract

Amount of financing: Salary of a minimum of PLN 8,660/month.

Start of work from: October 1, 2024

Candidates are requested to send an application consisting of:

1. CV including current contact information (1 A4 page).
2. Information on scientific and teaching achievements (previous scientific achievements, publications in scientific journals, distinctions resulting from scientific research, scholarships, awards, scientific internships at home and abroad, participation in research projects).
3. A copy/scan of the doctoral degree diploma,
4. Letter of motivation,
5. Letters of reference from previous and current employers,

6. A statement stating that Poznan University of Technology will be the primary place of employment in case of winning the competition,

7. A statement of consent to the processing of personal data for recruitment purposes (under Article 113 of the Law on Higher Education and Science) with the following content: "*I consent to the processing of my personal data contained in the application documents by the Poznan University of Technology, based in Poznan, for the purpose of the current recruitment procedure*".

Interested persons are requested to send relevant documents to the e-mail address:
agata.zdarta@put.poznan.pl until 26.07.2024.

Announcement of the results: by August 9, 2024r.

Information clause

In accordance with Art. 13 of the Regulation of the European Parliament and of the Council (EU) 2016/679 of 27 April 2016 on the protection of individuals with regard to the processing of personal data and on the free movement of such data and repealing Directive 95/46 /EC (hereinafter referred to as GDPR) we inform that:

1. The administrator of your personal data is **Poznan University of Technology** located at **Pl. Marii Skłodowskiej - Curie 5, 60-965 Poznań** e-mail: biuro.rektora@put.poznan.pl, phone: 61 665 3639.
2. Contact details of the Data Protection Inspector - Piotr Otomański, e-mail: iod@put.poznan.pl,
3. Your personal data will be processed in order to carry out the recruitment process; the legal basis for the processing of your personal data is voluntarily and knowingly expressed by your consent according to art. 6 section 1 (b) GDPR.
4. Personal data will not be passed on to processing entities (**art. 28 section 1 GDPR**). They can be only transferred only to bodies authorized by law.
5. Personal data will be kept for the period of the recruitment process or until you withdraw your prior consent, but its withdrawal does not affect the legality of the processing which was carried out on the basis of consent before its withdrawal.
6. You have the right to access your personal data, the right to rectify them, the right to transfer them, and if applicable, also to remove them, to limit processing and the right to object to processing.
7. You have the right to lodge a complaint with the President of the Office for Personal Data Protection when you feel that the processing of your personal data violates the provisions of the General Data Protection Regulation of 27 April 2016 (GDPR).
8. Providing by you your personal data is voluntary, however, the consequence of not providing personal data may lead to inability to consider your candidacy for a vacancy.
9. Your data will not be processed in an automated way, including profiling.