

**Unit name:** Poznan University of Technology (PUT), Department of Chemical Technology

**Position:** Post-doc (assistant professor) – M/F

**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 12 years before January 1, 2026.
- Obtaining a doctoral degree in an entity other than Poznan University of Technology.
- 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.
2. At least 4 years of experience working in an experimental laboratory, preferably in chemical and/or materials sciences.
3. Proven scientific achievements in the topics of materials chemistry and synthesis of novel materials at desired properties (at least 2 scientific articles in peer-reviewed scientific journals as co-author).
4. Knowledge and experience in the in analysing and optimising membrane parameters. Laboratory experience in analytical techniques related to materials characterization and membrane processes application. Knowledge in environmental sampling and the impact of environmental conditions on the sampling procedure.
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 *Every Breath You Take: Electrospun Membranes as Innovative Components for a New Generation Air Filters for Microplastic Analysis and Removal* will concern in particular: Fabrication and optimisation of the production of electrospun membranes. Selection of electrospun membranes for further testing and evaluation of the impact of environmental conditions on MP sampling. Validation of the membrane based technology for the airborne MP removal. Evaluation of protocols for airborne MP analysis and involvement in the production of electrospun membranes for biocatalyst immobilisation. Literature review, preparation of scientific publications and project reports.

**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:** OPUS - ST

**Deadline for application submission:** March 22, 2026

**Form of submission:** e-mail

**Terms of employment:**

**Duration:** 36 months

**Form of employment:** fixed-term employment contract

**Amount of financing:** Salary of a ca. PLN 8,660 gross/month.

**Start of work from:** April 2026

**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:**

Teofil.Jesionowski@put.poznan.pl until 22 March 2026

Announcement of the results: by April 1, 2026.