

Student - scholarship holder in a research project

1 position

Faculty of Chemical Technology, Poznan University of Technology, Poznan

<https://fct.put.poznan.pl/>

Requirements / Expectations:

- Student of chemical sciences, biological sciences, or related discipline (BSc or MSc level).
- Basic laboratory experience and willingness to further develop practical skills (experience with analytical, spectroscopic or microbiological techniques will be an advantage).
- Interest in the project's research topic; any experience with polymers will be considered an asset.
- Good command of English, both written and spoken.
- Motivation to work and willingness to learn, along with problem-solving attitude.
- Ability to work both independently and as part of a team.

Task description:

Recruitment is for the OPUS 21 project entitled. " Multilevel relationships between the presence of micro/nanoplastics (MNP) in soil and the amount and availability of water as well as sorption of model xenobiotics in terms of biodegradation kinetics and changes in soil microbial communities" funded by the National Science Centre.

The student will be responsible for:

- Preparation of MPs via cryogenic grinding using liquid nitrogen or others.
- Fractionation of ground MPs by particle size using sieve sets.
- Artificial aging of MPs using the Fenton oxidation method or others.
- Sorption experiments of antibiotics on pristine and aged MPs in aqueous systems.
- Sorption studies of antibiotics in OECD soil with the addition of pristine and aged MPs.
- Preparation of publication based on MPs studies.

We are offering:

- Work in a rapidly developing research team.
- The opportunity to develop skills and gain experience in a wide range of chemistry and biology.
- The opportunity to participate in conference and research internships.
- Support and a friendly working environment.

NSC call type: OPUS-NZ

Deadline: 09.07.2025, 12:00 CET

Selection deadline: 11.07.2025

Submission: email

Terms and conditions of employment:

- Scholarship in the amount of: 2 500,00 PLN brutto/month
- Duration: 4 months
- Starting date: 15 July 2025
- Extension possible based on performance.

Additional information:

Interested persons are requested to send:

1. Curriculum vitae including a description of scientific achievements, information about awards, scholarships, internships abroad, participation in scientific conferences.
2. Motivation letter with a description of techniques used in research work.
3. A copy of the degree with a copy of the diploma supplement (or a certificate of graduation/graduation card) – if applicable.
4. An abstract of the bachelor's or master's thesis – if applicable .
5. A letter of reference from the supervisor and/or academic supervisor working directly with the candidate.

Additional information can be obtained from the project leader: prof. dr hab. inż. Łukasz Chrzanowski

Please send your application and questions by e-mail to: lukasz.chrzanowski@put.poznan.pl (with the title "Student position OPUS 21").

Applications must be accompanied by the statements: I consent to the processing of my personal data for the purposes necessary for the recruitment process (in accordance with the Act of 10 May 2018 on personal data protection (Journal of Laws of 2018, item 1000) and in accordance with the Regulation of the European Parliament and of the Council (EU) 2016/679 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 (RODO)).

Poznan University of Technology reserves the right to close the competition without selecting a scholarship holder.

Each candidate will be informed about the decision by e-mail.