

**ANNOUNCEMENT OF THE COMPETITION FOR THE POSITION OF PHD
STUDENT SCHOLARSHIP HOLDER
AS PART OF THE NCN PROJECT – OPUS 26 CALL**

Name of the Institution: Faculty of Environmental and Energy Engineering, Silesian University of Technology

Position title: PhD student at the Doctoral School of the Silesian University of Technology / project financed by the National Science Center (NCN)

Requirements:

1. Completed Master's degree in Power or Environmental Engineering
2. Student status – PhD student at the School of Doctors
3. Experience in conducting experimental work within a national or international funded projects, confirmation of skills based on publication in a journal with the impact factor (IF) and active participation in scientific conferences, student organizations and PBL (project based learning) projects.
4. Fluency in English confirmed by personal presentation of papers at peer-reviewed international scientific conferences, internship or studies abroad, or an appropriate language certificate (at least at B2 level)
5. Knowledge of the subject of life cycle assessment confirmed by a certificate, participation in or registration for specialist courses in the field of life cycle assessment of projects, products or services
6. Ability to think analytically and independently formulate conclusions
7. Ability to write and edit scientific texts
8. High motivation for further development and ability to work in a team

The employed person will participate in the implementation of the tasks of the project "Chemical recycling of textile waste by oxidative liquefaction and solvolysis - from waste to sustainable fashion." (reg. no. 2023/51/B/ST8/02414), headed by prof. dr hab. inż. Sebastian Werle.

Tasks

The tasks of the employee will include, among others:

1. Evaluation of analytical data obtained during the conducted research

2. Participation in planning and conducting experiments on oxidative liquefaction of plastic waste and solvolysis of textile waste for the life cycle analysis of the studied processes
3. Participation in planning chemical analyses of the obtained products, with particular emphasis on chromatographic analyses of liquid products and evaluation of analytical data in terms of life cycle analysis of the studied processes
4. Participation in the interpretation of output data from multidimensional data analysis
5. Creating life cycle assessment models of the tested plastic recycling methods and their critical comparative analysis in terms of environmental impact
6. Research on sensitivity models and uncertainty of life cycle assessment methods
7. Identification of the main environmental stressors in the tested recycling processes and optimization of processes in terms of minimizing their impact on the environment

Deadline for submission of tenders: 4th of September 2026

Form of submitting offers: documents, in electronic form, should be submitted to the Office of the Dean of the Faculty of Environmental and Energy Engineering of the Silesian University of Technology, 44-100 Gliwice; 18 Konarskiego Street, e-mail: rie@polsl.pl by 4th of September 2026.

Conditions of employment:

1. A scholarship of PLN 4500 / month for 13 months with the possibility of an extension for according to the NCN rules.
2. Possibility of obtaining pro-quality allowances under internal programs functioning at the University

Expected date of the competition results: 11th of September 2026

Additional information:

- The candidate's application containing a brief justification for employment,
- Copy of the Master's degree diploma,
- Personal questionnaire,
- Professional and scientific curriculum vitae (CV),
- Other confirmations confirming the fulfillment of the above-mentioned requirements by the candidate for the advertised position, in the form of diplomas, certificates, printout from the Scopus database, etc.
- Declaration of active knowledge of a modern foreign language.

Executive Committee

The scholarship holder will be selected by an executive committee chaired by prof. dr hab. inż. Sebastian Werle, the head of the project no. 2023/51/B/ST8/02414