

Key odorants selection based on their kinetic and degradation with the atmospheric components within the prediction of odorous range of wastewater treatment plants

Opening for the PhD student position

Entity name: University of Warsaw, Faculty of Chemistry

Position: PhD candidate scholarship in the project “Key odorants selection based on their kinetic and degradation with the atmospheric components within the prediction of odorous range of wastewater treatment plants.”

Requirements:

- MSc in Chemistry, Chemical Engineering, Environmental Engineering or equivalent discipline.
- Theoretical and practical knowledge in the field of analytical chemistry, especially in a gas chromatography couple with mass spectrometry.
- Fluent English knowledge.
- Ability to work in a team.
- Strong analytical and problem-solving skills, ability to work in a team and gain new knowledge as well as excellent communication skills.

Tasks to be performed:

- In situ odour and odorants emission sampling.
- Sample preparation and analysis.
- Sensory analysis using GC-MS/Olfactory detection port system.
- Analytical methods development for odorants identification and quantification.
- Odorants kinetics in the atmosphere modelling.
- Analysis of the experimental data.
- Contribution to writing scientific papers.
- Active participation in lab meetings, scientific seminars and international conferences.

NCN call name: OPUS – ST

Deadline for sending applications: 28 February 2022, 23:59

The form of an application sending: e-mail - rbarczak@chem.uw.edu.pl

Conditions of employment:

A successful applicant will work with dr eng. Radosław Barczak (Principal Investigator and PhD candidate co-supervisor) and prof. Tomasz Gierczak (as a PhD candidate supervisor) on the project titled “Key odorants selection based on their kinetic and degradation with the atmospheric components within the prediction of odorous range of wastewater treatment plants.” The 3-year position will be founded by Polish National Science Center (NCN) OPUS research grant (2021/41/B/ST8/03440). The project will be carried out at the Faculty of Chemistry, University of Warsaw. Generous founding for travel and excellent working condition environment is secured.

Founding: Scholarship in the total amount of 5000PLN/month, gross. The scholarship will top up the scholarship from Doctoral Schools. The scholarship is regulated by the NCN rules

Scholarship duration: 3 years, paid according to NCN regulations for OPUS project for the PhD students.

How to apply:

In the message subject field write: PhD candidate OPUS, your first and last name. The application should contain (PDF as the preferred documents format):

- CV including a list of achievements (the list of publications, participation in conferences, internships and participation in other research and professional projects). Please include the following statement in your CV: "Pursuant to Article 6 (1) of the General Regulation on the Protection of Personal Data of 27 April 2016 (Journal of Laws EU L 119/1 of 4 May 2016) I agree on the processing of personal data other than: name, (names) and surname, parents' names, date of birth, place of residence (correspondence address), education, course of previous employment, included in my job offer for the needs of current recruitment."
- Motivation letter with justification of the matching to the project

Additional information:

- The scholarship will be awarded in accordance with the NCN regulations: "Rules of granting scholarships to young scientists in research projects" (Annex to Resolution No 25/2019 of the NCN Council, 14.03.2019)
- The commission evaluates applications on a point scale. The scholarship will be awarded to the person who obtains the highest number of points.
- If the top candidate will not sign the contract, due to the resignation, we reserve the right to choose the next candidate from the ranking list.
- The entity reserves the right not to settle the competition if the Selection Committee finds that none of the Candidates meets the tasks specified in the competition.
- Thanking all applicants for their interest, we will contact only selected candidates until 3rd March, 2022.