
Scholarship Offer in the frame of OPUS 20 project

Organisation: West Pomeranian University of Technology in Szczecin, Faculty of Chemical Technology and Engineering, Department of Nanomaterials Physicochemistry

Position: Scholarship holder/PhD student

We are looking for a highly motivated candidate who would like to work in the frame of OPUS 20 project “Recycling of Plastic Waste into Highly Porous Carbon Nanomaterials for Electrochemical Energy Storage”, under supervision of dr hab. Xuecheng Chen, prof. ZUT.

Conditions of employment: Successful candidate will be granted scholarship from 11.2022 of 3300 PLN/month for 24 months and 3660 PLN/month for following 9 months and under the conditions written in the NCN regulations for OPUS 20.

Research tasks:

- Investigation of parameters for carbonization of MOF crystals from waste PET
- Study of the electrochemical performance of PET derived carbon materials in lithium ion batteries and in lithium sulfur batteries
- Characterization of carbon nanomaterials according to the research plan
- Analysis of the experimental data
- Contribution to writing scientific papers

Requirements:

- Master degree in Chemistry, Chemical Engineering, Nanotechnology or Materials Science
- PhD student at Polish university or student at doctoral school (there is a possibility to undertake such studies at ZUT Doctoral School) at the start date of the engagement
- Experience in the lab work
- Solid knowledge and experimental background in electrochemistry
- Prior experience with other high-tech research equipment used in the project (FTIR, SEM, TGA, etc.) will be a strong asset
- Excellent written and spoken English skills
- Ability to work in a team

Application Deadline: 18.07.2022, 12:00

Application procedure and contact:

Candidates should send their CV and letter of motivation to: nanotech@zut.edu.pl or deliver them personally to the Department of Nanomaterials Physicochemistry, Piastow Ave. 45, room no. 1/32 till July 18th, 2022. The CV should contain information about prior scientific achievements (the list of publications, participation in conferences, internships and participation in other research projects). Please include in your application the personal data processing agreement.

Thanking all applicants for their interest, we will contact only selected candidates July 20th, 2022.