

JOB OFFER

Position in the project:	<i>Adjunct (experienced researcher)</i>
Scientific discipline:	<i>Biotechnology</i>
Job type (employment contract/stipend):	<i>employment contract (half-time job)</i>
Number of job offers:	<i>1</i>
Remuneration/stipend amount/month	<i>2 825 PLN of full remuneration cost</i>
Position starts on:	<i>01.10.2022</i>
Maximum period of contract/stipend agreement:	<i>12 months</i>
Institution:	<i>Lublin University of Technology, Faculty of Civil Engineering and Architecture / Lublin</i>
Project leader:	<i>Prof. Wojciech Franus</i>
Project title:	<i>Fly ashes as the precursors of functionalized materials for applications in environmental engineering, civil engineering and agriculture</i> <i>Project is carried out within the TEAM-NET programme of the Foundation for Polish Science</i>
Project description:	<i>This TEAM-NET joint project assumes using fly ashes as a precursors for the synthesis of novel functionalized materials with the structure of not only zeolites, but also mesoporous silica materials and metal-organic frameworks (MOFs). Then produced materials will be tested for possible applications in agriculture, civil and environmental engineering. With the implementation of new technologies of coal combustion and flue gas treatment, new types of fly ashes with increased content of unburned carbon (up to 30%) have been produced. Such byproducts will be used in this project for the synthesis of novel zeolite-carbon composites. Previous work related to the use of this type of fly ashes was focused on the separate production of zeolites or activated carbons, which did not fully exploit the potential of the above-mentioned byproducts. Their use as a precursor to the synthesis of a zeolite-carbon-vermiculite composite in this project will also pave the way for developing a novel material to replace vermiculite raw materials in agricultural applications.</i> <i>With this announcement, we are looking for a Postdoc for the work-package #2 " Novel (bio-)mineral mixtures for civil engineering". The aim of WP #2 is among others the development of the technique of microbially induced calcium carbonate precipitation for sandy soil bio-cementation purposes.</i>
Key responsibilities include:	<i>1. Planning and supervising research on metagenomics and molecular cloning.</i> <i>2. Preparing and writing scientific articles for international journals.</i> <i>3. Tracking current research trends in the scientific literature.</i>
Profile of candidates/requirements:	<i>1. The candidate must have the PhD diploma from biology or biotechnology.</i> <i>2. The candidate must have documented experience in microbiology and molecular biology (scientific articles indexed on web of science - minimum 10 articles, participation in research and/or implementation projects).</i> <i>3. The candidate must be fluent in English (both speaking and writing) enabling communication and understanding of publication texts.</i> <i>4. Preferentially, the candidate should have an experience in</i>

	<i>obtaining funds for the researches from external project-funding agencies.</i>
Required documents:	1. <i>Written application for the competition.</i> 2. <i>Curriculum vitae including:</i> 2.1. <i>A detailed description of the academic degrees and titles, titles of theses (master and doctoral), years of receiving the degree/academic title, names and affiliation of supervisors and reviewers of each thesis.</i> 2.2. <i>The academic career – chronological indication of places of employment with the indication of posts and contact details of the direct supervisor.</i> 2.3. <i>List of scientific publications/monographs/books/chapters – including the full list of authors, title, title of the journal and actual 5-year IF.</i> 2.4. <i>Participation in conferences (list of conferences in which the candidate took active part, stating whether it was a lecture or a poster), internships abroad (research stays) and most important trainings.</i> 2.5. <i>List of projects performed for or in cooperation with the industry</i> 2.6. <i>List of awards and distinctions including their range (international/national).</i> 3. <i>Copies of obtained diplomas.</i> 4. <i>Other activities</i>
Please submit the following documents to:	<i>All documents must be sent as a single PDF file (if too big, the copies of diplomas may be sent as an independent file) by email to ldrewniak@biol.uw.edu.pl , indicating the reference mentioned in the beginning of this call, in the subject line.</i>
Application deadline:	<i>23.09.2022</i>
For more details about the position please visit (website/webpage address):	https://www.fnp.org.pl/oferta_pracy http://wbia.pollub.pl/pl/praca http://www.wggios.agh.edu.pl/pracownicy https://www.biol.uw.edu.pl/pl/index.php?option=com_content&view=category&layout=blog&id=148&Itemid=317
Appeal	<i>Possible appeals against the decision should be sent to prof. Wojciech Franus (project coordinator, w.franus@pollub.pl) no later than 7 days after receiving the decision, i.e. the date of results announcement. In the protest an explicit justification have to be included.</i>