



INSTITUTION:	Gdańsk University of Technology, Department of Environmental Engineering Technology, Faculty of Civil and Environmental Engineering
CITY:	Gdańsk
POSITION:	Associate professor
NUMBER OF OFFERS AVAILABLE:	1
DISCIPLINE:	environmental engineering, mining and energy, biomedical engineering
POSTED:	23-12-2024
EXPIRES:	22-01-2025
PLANNED DATE OF COMPETITION ENDS:	07-02-2025
PLANNED DATE OF EMPLOYMENT:	01-05-2025
WEBSITE:	https://praca.pg.edu.pl/jobs/m/3498/en
KEYWORDS:	microbial biotechnology, biofuel technology, biodegradation, bioprinting, hydrogels, environmental biotechnology, sustainable waste management, advanced biomaterials, process modeling

TASKS/ ROLE

- conducting cutting-edge research as part of projects at Gdańsk University of Technology
- publishing research findings in reputable international scientific journals
- developing innovative processes for advanced hydrogel technologies
- designing novel bio-inks based on hydrogel formulations
- optimizing cell-hydrogel interactions through: modifying physicochemical properties, 3D bioprinting of cell-laden structures, characterizing printed constructs
- investigating cellular biomechanics and differentiation to deepen understanding of biological processes
- testing bio-printed materials for applications in bioremediation and value-added product generation
- conducting laboratory experiments on microbial biofuels and biotechnological processes
- preparing detailed research reports and project documentation
- analyzing and interpreting research results to draft manuscripts for publication
- participating in team meetings and actively contributing to knowledge exchange and project development

REQUIREMENTS



- meeting the criteria of the IDUB Nobelium program of Gdańsk University of Technology (foreign scientist with a PhD degree) Nobelium Joining Gdańsk Tech Research Community | Politechnika Gdańska (pg.edu.pl) <https://pg.edu.pl/en/research-university/eiru-programs/nobelium-joining-gut-research-community>
- recognized academic standing on an international level, supported by achievements in their field
- Master degree in Applied Microbiology and similar fields
- a doctor of Philosophy (PhD) in Biotechnology
- **H**-index of 15 or higher, reflecting a significant influence in the scientific community
- publishing research papers in journals from the JCR list (at least 10), as a first author or corresponding author, in the field of Microbiology and Biotechnology, Materials Science, Environmental Engineering, Biomedical Engineering

ADDITIONAL REQUIREMENTS

- a solid foundation in the theoretical and practical aspects of biofuel technologies and biodegradation processes; familiarity with the basic modeling of processes relevant to these fields
- basic skills in the development of innovative bioinks for use in 3D biofilm printing applications
- fundamental abilities in designing and modeling hydrogels, particularly for environmental applications
- basic competencies in converting waste into sustainable fuel and value-added products, leveraging bio-printed materials
- active engagement in research and academic collaboration - proven participation in research projects, including interdisciplinary initiatives; attendance and contribution to international academic conferences

BENEFITS

- full time employment till the end of 2026
- work for one of the leading technical universities in Poland
- academic organisational culture based on the principles of respect
- stable employment conditions
- opportunity to relax at Gdańsk Tech's Resort, located in the picturesque Kaszuby Lake District
- access to the university library
- option to join: employee group life insurance, private medical care, sports and recreation program (Benefit MultiSport card)
- sports activities at Gdańsk Tech's facilities
- on campus there are: kindergarten, baby changing and feeding stations, refreshment kiosks, relaxation areas and free parking lot
- work in a well-connected place
- and much more... For a full list of benefits visit: <https://chr.pg.edu.pl/en/join-us>

DOCUMENTS

- CV
- a motivation letter
- a copy of Master's degree diploma
- a copy of PhD degree diploma
- information about scientific achievements
- a personal questionnaire (download: <https://chr.pg.edu.pl/dolacz-do-nas/dokumenty-dla-kandydata>)

SELECTION / ELIGIBILITY CRITERIA



The eligibility criteria will relate to the requirements of a given competition and will concern a qualitative and quantitative assessment of the candidate's qualifications, competences, experience and achievements.

PLACE AND FORM OF THE OFFERS Application should be sent by e-mail: ansob@pg.edu.pl

CONTACT EMAIL ADDRESS ansob@pg.edu.pl

IN THE TITLE OF E-MAIL, PLEASE
ENTER Competition for an Associate professor position in
Department of Environmental Engineering Technology
(Nobelium Programm)

Please include following clause:

"In accordance with Article 6 (1) (a) of the General Data Protection Regulation of 27 April 2016 (EU Journal of Laws L 119, of 04.05.2016) (GDPR) I hereby agree to the processing of personal data included in my job offer by the Gdańsk University of Technology (Politechnika Gdańska), ul. Narutowicza 11/12, 80-233 Gdańsk for the purposes required for recruitment."

In accordance with Article 13 of the General Data Protection Regulation of 27 April 2016 (EU Journal of Laws L 119, of 04.05.2016) (GDPR) we hereby inform that:

- 1. The Data Controller presented in the job offer is Gdańsk University of Technology (Politechnika Gdańska), ul. Narutowicza 11/12, 80-233 Gdańsk (postal code: 80-233).*
- 2. The Data Controller appointed the Data Protection Officer, who may be contacted via email address: – dpo@pg.edu.pl*
- 3. Your personal data will be processed for purposes related to servicing the Employer portal of Gdańsk University of Technology in accordance with Article 6 (1) (a) RODO (consent).*
- 4. Your personal data will be stored until the recruitment process is completed or when employment is terminated. After this time your personal data will be archived and stored for the period of 10 years.*
- 5. Granting the consent for data processing is voluntary but necessary for recruitment purposes.*
- 6. The data provided will not be made available to third parties. The recipients of the data will only be institutions authorized by law.*
- 7. You have the right to request access to the content of your data and the right to rectify, supplement, delete or limit processing, the right to data portability, the right to object to the processing, and the right to withdraw consent at any time. Moreover, you have the right to file a complaint with the supervisory authority in charge of personal data protection (i.e. the President of the Personal Data Protection Office).*
- 8. Your data will not be subject to profiling.*
- 9. The Data Controller will not transfer any personal data to a recipient in a third country or an international organization.*

The contest may be closed without selecting a candidate.

We will contact the selected candidates.

All the documents sent will not be returned.