



INSTITUTION:	<b>Gdańsk University of Technology, Faculty of Chemistry, Department of Chemistry Technology and Biotechnology of Food</b>
CITY:	Gdańsk
EMPLOYEE GROUP:	research staff
POSITION:	<b>Assistant professor</b>
NUMBER OF OFFERS AVAILABLE:	1
DISCIPLINE:	chemical sciences, biomedical engineering, chemical engineering
POSTED:	06.06.2025
EXPIRES:	06.07.2025
PLANNED DATE OF COMPETITION ENDS:	15.07.2025
PLANNED DATE OF EMPLOYMENT:	01.09.2025
WEBSITE:	<a href="https://praca.pg.edu.pl/jobs/m/3612/en">https://praca.pg.edu.pl/jobs/m/3612/en</a>
KEYWORDS:	peptides, chitosan, biomaterial

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#### TASKS/ ROLE

- chemical modification of chitosan with maleimide-glycine
- attachment of the peptide to maleimide-chitosan
- determination of the degree of chitosan occupancy with the peptide
- study of peptide release from the polymer carrier (chitosan) using analytical techniques
- analysis and interpretation of results regarding the thermal and structural characteristics of chitosan with the attached peptide
- analytical techniques used: DSC, TGA, FTIR
- performing microbiological analyses and conducting tests using cell cultures
- data analysis and report preparation
- writing the manuscript for publication in Polish and English

#### REQUIREMENTS



- Phd degree in chemical sciences or a related field
- proficiency in Polish and knowledge of English at a min. B2 level
- practical knowledge of basic chemical and biochemical synthesis methods and product purification techniques
- proficiency in operating specialized laboratory equipment including: HPLC-DAD, GC-FID
- ability to perform basic microbiological analyses and tests of cytotoxicity and material toxicity
- hands-on experience in laboratory work in accordance with standard operating procedures and knowledge of Good Laboratory Practice (GLP) principles
- analytical skills in the processing and interpretation of scientific data
- ability to write scientific articles and research reports

#### ADDITIONAL REQUIREMENTS

- documented scientific achievements in the field of organic chemistry and high-performance liquid chromatography techniques (HPLC, HPLC-MS)
- analytical thinking
- motivation for scientific work and the ability to independently solve research problems
- ability to work in a team
- organizational skills

#### BENEFITS

- work for one of the leading technical universities in Poland
- academic organisational culture based on the principles of respect
- stable employment conditions
- additional annual salary
- opportunity to relax at Gdańsk Tech's Resort, located in the picturesque Kaszuby Lake District
- trips abroad within the Erasmus+ program
- internal trainings
- 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
- holiday subsidies
- preferential loans
- 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 including information about completed studies, previous scientific achievements (list of scientific output: list of publications, participation in conferences, involvement in research projects, awards and distinctions, etc.).
- a copy of the diploma or another document confirming the awarding of the doctoral degree; it is also acceptable to submit a statement declaring that the document confirming the attainment of the doctoral degree will be provided at the time of signing the employment contract
- a scanned copy of documents confirming the possessed skills (e.g., language certificate, etc.)

## 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.

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PLACE AND FORM OF THE OFFERS      Documents should be sent by e-mail to:  
biuro.wch@pg.edu.pl

CONTACT EMAIL ADDRESS              biuro.wch@pg.edu.pl

IN THE TITLE OF E-MAIL, PLEASE      Application Post-doc OPUS  
ENTER

*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](mailto: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.*