

THE DIRECTOR OF THE INSTITUTE ANNOUNCES A COMPETITION FOR THE POSITION OF ASSISTANT PROFESSOR (R2) IN THE LABORATORY OF BIODEGRADABLE MATERIALS**Number of vacancies: 1****Description:**

We offer a position in our laboratory, which conducts research on the synthesis of aliphatic biopolyesters for applications in medicine and environmental protection. Our work also includes processing and modification of biodegradable polymer materials, as well as research on the relationships between the structure, properties and biodegradation of new polymer materials and composites. In addition, the laboratory specializes in the use of mass spectrometry techniques for structural studies of synthetic polymers and mechanisms of their polymerization reactions.

We are seeking a highly skilled candidate with extensive expertise in the synthesis of polyesters, copolymers and vitrimers, achieved e.g. through ring-opening polymerization. The ideal candidate should demonstrate a strong ability to explore and evaluate potential applications for these advanced materials. Proficiency in polymer synthesis, characterization and processing techniques - such as additive manufacturing, extrusion, as well as injection molding - are essential. Additionally, knowledge of polymer degradation methods, including abiotic degradation and composting, as well as an understanding of challenges related to sustainable materials, would be highly advantageous.

We offer:

- Basic salary: 6,810.10 PLN gross, financed from the statutory funds of CMPW PAN
- Employment type: employment contract, full-time
- Planned start date: June 1, 2025

Requirements:

- Completed studies in chemical sciences and a PhD degree in chemical sciences
- Knowledge of polymerization methods. At least five years of experience in the synthesis, characterization and application of polyester and block copolyesters
- Proven experience in polymer processing such as extrusion, injection molding, 3D printing
- Proven experience in monitoring of polymer degradation processes
- Proven experience in the knowledge and application of mass spectrometry techniques in the study of the structure of synthetic polymers with particular emphasis on MALDI-TOF-MS and ESI-MS techniques
- Scientific achievements, after obtaining a PhD expressed by authorship or co-authorship of publications from the JCR . The total IF of publications published after PhD at least 20.
- Corresponding or co-corresponding author of at least one of the aforementioned publications
- Opinions of two independent experienced scientists regarding the candidate's ability to conduct research

- Ability to prepare publications and present the results of scientific research at national and international conferences and research seminars
- Good command of English, in the case of foreigners, communicative knowledge of Polish
- Additional advantage: completion of a scientific internship at a national or international research institution

Evaluation Criteria:

- Creativity measured by the quality and number of scientific publications
- Experience in obtaining grants or participating in them
- Participation in conferences
- An opinion of the candidate, issued by an independent researcher
- Career mobility (research internships, internships in industry)

As part of the selection process, shortlisted candidates may be invited for an interview or asked to deliver a public presentation of their research results in the form of a seminar at the Institute or online.

Required Documents:

- CV including contact details
- motivational letter addressed to the Director of CMPW PAN, containing concise information about scientific/professional interests, previous achievements, any participation in projects, conferences and the candidate's own intentions
- List of publications, highlighting post-PhD publications, research projects, and conference participation
- Two opinion from experts in the field of polymers
- Copy of PhD diploma

Additional Information:

How to Apply:

Applications should be sent via e-mail to sekretariat_naukowy@cmpw-pan.pl

Email subject: "Competition for the Position of Assistant Professor"

Application Deadline: May 16, 2025

Expected Decision Date: May 23, 2025

Candidates can review the employment policy at CMPW PAN and the information clause regarding recruitment on the website:

<https://cmpw-pan.pl/en/pracownicy-2/>