



The project is financed by the Polish National Agency for Academic Exchange

Białystok, March 5, 2019

**Recruitment rules of the participants
of the National Agency for Academic Exchange NAWA
APM - Academic International Partnerships project
at the Faculty of Mechanical Engineering, Białystok University of Technology
in 2019**

Task No. 3

Research and development activities in cooperation with the Technical University of Chemnitz (TU Chemnitz).

Subtask

Academic exchange of two researchers from the Faculty of Mechanical Engineering, Białystok University of Technology (FME BUT) to the Technical University of Chemnitz (TU Chemnitz) and one researcher from the Technical University of Chemnitz (TU Chemnitz) to the Faculty of Mechanical Engineering, Białystok University of Technology (FME BUT) in 2019.

Dates of academic exchange: May / June 2019.

Period of stay: 6 days.

Task description

The subject of joint research and development activities between FME BUT and TU Chemnitz will be the **development and testing of biodegradable composite materials with fiber fillers based on polylactide (PLA)**.

Research under the task will concern composites with a degradable base (PLA) and fiber fillers in the form of bioactive glasses. The main goal of the project will be to obtain biodegradable composites with improved strength parameters. The goal will be achieved through the use of a biodegradable polymer base in the form of a polylactide and degradable natural and artificial fibers. Artificial fibers will be obtained from bioactive oxide glasses.

The project will develop composite, biocompatible, degradable biomaterials with high strength parameters that will find a wide application in medical practice, especially in reconstructive surgery and tissue engineering (scaffolds).

Due to the lack of similar literature reports, the planned research will be pioneering and the research results will be a good complement to the few data created in this field.

In the frames of the task, **the academic exchange of two researchers from FME BUT to TU Chemnitz and one researcher from TU Chemnitz to FME BUT** is planned in 2019, in order to conduct the planned simulation and experimental tests. The planned dates of the exchange are: **May / June 2019**, the period of stay: **6 days**.

Project co-financing from the National Agency for Academic Exchange covers **travel, insurance and diet costs** for outgoing persons (from both FME BUT and TU Chemnitz) as well as **printing costs of scientific publications** created as a result of research and development work, up to the amount of task No. 3 budget.

Recruitment rules

1. Recruitment of researchers to the APM project, task No. 3, subtask " Academic exchange of two researchers from the Faculty of Mechanical Engineering, Bialystok University of Technology (FME BUT) to the Technical University of Chemnitz (TU Chemnitz) and one researcher from the Technical University of Chemnitz (TU Chemnitz) to the Faculty of Mechanical Engineering, Białystok University of Technology (FME BUT) in 2019", will be preceded by the information campaign, implemented by email announcement sent to the scientific staff of FME BUT and to the academic staff of TU Chemnitz. Information on the recruitment for the project will also be posted on the FME BUT website.
2. Candidates submit the application forms (the template is given in Annexes 1 and 2). The completed and signed forms are submitted to the Faculty Coordinator of the project, **Prof. Zbigniew Kulesza**. The candidates from FME BUT submit their forms in room **M-113**, FME BUT building or via email to: **z.kulesza@pb.edu.pl**. The candidates from TU Chemnitz submit the scanned copies of their forms via e-mail to the following address: **z.kulesza@pb.edu.pl**
3. The recruitment will continue until **April 15, 2019, 12.00 am**. Immediately after its completion, an assessment of the submitted applications, as well as a ranking list, a list of qualified candidates (two persons from FME BUT and one person from TU Chemnitz) and a reserve list of candidates will be prepared. The recruitment results will be sent via email to the candidates who submitted their application forms.
4. Applications will be evaluated by the Faculty Committee, composed of:
 - 1) Prof. Zbigniew Kulesza - chairman
 - 2) Prof. Małgorzata Grądzka-Dahlke
 - 3) Prof. Oleksandr Jewtuszenko
 - 4) Dr. Jarosław Czaban
5. The key criteria for the evaluation of the candidates will be:
 - a) compliance of the candidate's research topics with the topics of task No. 3, namely with the **development and testing of biodegradable composite materials with fiber fillers based on polylactide (PLA)**.
Number of points: from 0 to 5
 - b) previous involvement of the candidate in research and development cooperation between FME BUT and TU Chemnitz,
Number of points: from 0 to 3
 - c) current documented scientific achievements of the candidate,
Number of points: from 0 to 3



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6. The complete set of documents should be accomplished with a CV of the candidate in English and a research program at the host university.
7. The final decision on accepting or not accepting a candidate to participate in the project will be taken by the receiving party.
8. Immediately after going back to the host university, the outgoing person prepares a report on the tests carried out, submitted to the Faculty Coordinator of the project.
9. On the basis of the results of the research, the researchers participating in the project (from FME BUT and from TU Chemnitz), by the end of 2019, will prepare a joint scientific paper, submitted for publication in the journal from the JCR list. In the case of accepting an article for printing, its publication may be co-financed under the funds planned in task No. 3 for the year 2019.
10. The recruitment procedure takes into account and obliges the persons responsible for the implementation of the project to comply with the principles of personal data protection.
11. Participants of the NAWA APM - Academic International Partnerships project are obliged to follow the rules of the Project Regulations, available at <https://pb.edu.pl/bwm/projekty-nawa/apm/dokumenty/>