MONIKA DOBRZYŃSKA-MIZERA

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EDUCATION

2012 - 2017
POZNAN UNIVERSITY OF TECHNOLOGY

Full-time Ph.D. studies, awarded Doctor of Philosophy in the field of Engineering, specialization: materials science

2011 - 2012
POZNAN UNIVERSITY OF TECHNOLOGY

Full-time MA studies, awarded Master of Science in the field of Mechanics and Machinery Design, specialization: materials processing technologies

2006 - 2011
POZNAN UNIVERSITY OF TECHNOLOGY

Full-time BA Studies, awarded Bachelor of Science in the field of Materials Engineering, specialization: metal and plastic materials

EXPERIENCE

2015 - Present **ASSISTANT PROFESSOR**

Poznan University of Technology, Institute of Material Technology, Polymer Group

- Teaching polymer processing and physics, selection of construction materials, technological properties and research methods of polymeric-based materials (lectures given also in English)
- Supervisor of 15 and reviewer of 20 bachelor and master theses
- Research in polymer processing and manufacturing of composites, optimization of processing parameters, designing materials for medical applications
- Collaboration with industry

COOPERATION WITH ITALIAN INSTITUTIONS

- Over a dozen of scientific internships at Istituto per i Polimeri, Compositi e Biomateriali, CNR in Pozzuoli under the supervision of Dr. Maria Laura Di Lorenzo since 2015
- 8 scientific articles and one patent submitted with the Italian scientists
- A scientific grant realized under the supervision of Dr. Maria Laura Di Lorenzo (IPCB-CNR), financed by the National Science Center in Poland
- Double beneficiary of the Short Term Mobility Grant financed by the Consiglio Nazionalle delle Ricerche
- A member of the scientific committee of the Milan Polymer Days International Congress organized by University of Milan
- Reviewer of grant applications submitted as a part of competitions published by the Ministero dell'Università e della Ricerca in Italy

RESEARCH ACTIVITIES

- Main research activity is focused on 3D printing of bio-based polymers, polymer-based blends and composites, mainly for packaging and biomedical applications
- 30 referred papers published in journals and books, 20 publications in conference proceedings
- Leader of 3 research projects (2 financed by the National Science Center in Poland and 1 by Poznan University of Technology)
- Investigator in 5 research projects (3 financed by European Union and 2 by the National Center for Research and Development in Poland)
- Internships in foreign countries, including Italy, Germany, Hungary, Serbia, and Canada

RESEARCH GRANTS

Apr 2022 - ongoing	Investigator in the research project “Functionalized polymer materials for applications in biomedical engineering - production and characterization” financed by Poznan University of Technology
Feb 2020 - Dec 2023	Investigator in the research project "Development of customised biodegradable implants for bone reconstruction procedures - Cranioimplants" financed by the National Center for Research and Development
Nov 2020 - Nov 2023	Investigator in the research project “Advanced hydrogel systems for the treatment of difficult-to-heal wounds” financed by the National Center for Research and Development
Oct 2021 - Jan 2022	Investigator in the research project “Research and development works on an innovative openwork system of steel substructures for the installation of photovoltaic panels with increased durability and load-bearing capacity, along with a new technology of their production” financed by the National Center for Research and Development
Oct 2017 - Aug 2020	Leader of Preludium project “Biodegradable polylactide composites with enhanced antibacterial properties” financed by the National Science Center in Poland
Oct 2016 - Sep 2017	Leader of Etiuda project “Analysis of the interactions of sorbitol derivatives with siloxane-silsesquioxane resin on the structure and properties of isotactic polypropylene” financed by the National Science Center in Poland
May 2017 - Nov 2017	Leader of the research for the development of young scientists and participants of doctoral studies entitled "Structure and physical properties of biocomponent polymer composites"
Jan 2007 - Dec 2013	Investigator in the research project "Silsesquioxanes as fillers and modifiers in polymer composites" financed by the European Regional Development Fund under the Operational Program Innovative Economy 2007-2013

AWARDS

2023	Award of the Polish Minister of Education and Science for outstanding scientific achievements obtained within the *Cranioimplants* project, Warsaw, Poland
2021	Innovatory Wprost Award 2021 for the innovative 3D printed design of a bioresorbable bone implant, awarded by Wprost, Warsaw, Poland
2017 - 2021	Outstanding young scientist, awarded with Scholarship of Polish Minister of Science and Higher Education
2012 - 2017	Annually listed among best doctoral students at Poznan University of Technology, awarded with Scholarships
2013	Master thesis awarded in the competition “Outstanding thesis in the area of technology and organization of production and services" organized by Federacja Stowarzyszeń Naukowo – Technicznych, Poznan, Poland
2012	Award in the competition for the best Master theses in 2011/2012 academic year, Dean of Faculty of Mechanical Engineering and Management, Poznan University of Technology

I hereby give consent for my personal data included in my application to be processed for the purposes of the application process under the European Parliament's and Council of the European Union Regulation on the Protection of Natural Persons as of 27 April 2016, with regard to the processing of personal data and on the free movement of such data, and repealing Directive 95/46/EC (Data Protection Directive)