



Ioana A. DUCEAC

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Personal page on ResearchGate and Google Scholar

Education and training

- 2018-present ■ **PhD** student in Chemistry, P. Poni Institute of Macromolecular Chemistry Iasi, scientific coordinator dr. habil. Sergiu Coseri
- May-June 2019 ■ **Post-graduate course** "In vitro and in vivo evaluations for regenerative medicine", Biomedical Engineering Faculty, Gr. T. Popa University of Medicine and Pharmacy Iasi
- 2017-2018 ■ Study internship at Universite Paris 13, **Erasmus+ Programme**, 63936-EPP-1-2014-1-RO-EPPKA3-ECHE, master's program „Ingénierie de la santé, biomatériaux”
- 2016-2018 ■ **Master degree** in Applied engineering – Medical biotechnologies and advanced biomaterials, Biomedical Engineering Faculty, Gr. T. Popa University of Medicine and Pharmacy Iasi, dissertation thesis „Hidrogels based on biopolymers with potential applications as controlled drug delivery systems”, scientific coordinator dr. Liliana Verestiuc
- 2012-2016 ■ **Batchelor degree** in Applied engineering – bioengineering, Biomedical Engineering Faculty, Gr. T. Popa University of Medicine and Pharmacy Iasi, graduation thesis „Polymeric scaffolds based on natural and synthetic polymers for skin tissue engineering”, scientific coordinator dr. Liliana Verestiuc

Professional experience

- 08.10.2020-29.07.2022 ■ **Research assistant** in general medicine, project „New hybrid polymer/peptide hydrogels as innovative platforms for cell culture applications (HYPCELGEL)”, PN-III-P2-2.1-PED-2019-2743
- 16.11.2020-22.10.2022 ■ **Research assistant** in general medicine, project „Advanced 3D intelligent magnetic scaffolds for bone tissue engineering and regeneration (3D SMARTMAGTISS)”, PN-III-P2-2.1-PED-2019-4524
- 04.11.2020-31.12.2021 ■ **Research assistant** in chemistry, project „High sensitivity sensor based on natural resources” HISENSE, PN-III-P2-2.1-PED-2019-0169
- 2020-2021 ■ **Assistant professor** in Biomaterials, Biomedical Engineering Faculty, Gr. T. Popa University of Medicine and Pharmacy Iasi
- 01.09.2018-31.10.2020 ■ **Bioengineer**, project „Biodegradable alloys based Mg for orthopedic implants” part of the complex project „Preparation and characterization of new biocompatible materials with biomedical applications”, PN-III-P1-1.2-PCCDI-2017-0239

- 2013-2018 ▪ **Research internship** on preparation and characterization of hydrogels based on natural and synthetic polymers for tissue engineering and controlled drug release, Center for Tissue engineering and artificial organs, Biomedical Engineering Faculty, Gr. T. Popa University of Medicine and Pharmacy Iasi
- June-July 2014 ▪ **Research internship** on physico-chemical characterization of nanoparticles, P. Poni Institute of macromolecular chemistry Iasi
- June 2013 ▪ **Internship** on surgery medical devices and sterilization equipment, Regional Institute of Oncology Iasi

Technical skills and other information

- Synthesis of natural modified polymers, synthetic polymers
- Preparation of polymeric materials
- Physico-chemical characterizations
- Biological and cytocompatibility characterizations (work in sterile conditions with cell cultures)
- Communication skills and specific knowledge in the medical domain, with patients, doctors and other medical personnel due to clinical internships (2012-2016): general, esthetic and restorative surgery, gastroenterology, internal medicine, dermatology, oncology, orthopedics, anesthesia and intensive care, neurology, geriatrics in various hospitals in Romania and France
- First aid class, Red Cross National Society
- Good knowledge of various software instruments, such as Microsoft Office (Word, PowerPoint, Excel), SpectView, ChemDraw, Opus, SpectView, AutoCAD, DraftSight, Matlab, ChemWindow, Origin, Proteus, OrCAD, MicroC Pro, LabVIEW etc.
- Basic knowledge of C, microC, Arduino, WordPress, CSS, and HTML
- skills to use electric motors and 3D printers and to design and implement small electrical devices, all for biomedical applications
- Fluent in English and French
- Member of the Romanian Society of Biomaterials since 2014
- Start-up and coaching experience, project „Start-up-farm-med”, CNFIS-FDI-2019-0096
- Driving license

15.04.2021

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