



# Ioana A. DUCEAC

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Personal page on ResearchGate and Google Scholar

## Education and training

- 2022 - present ▪ **Scientific Researcher**, Department of Polyaddition and Photochemistry, P. Poni Institute of Macromolecular chemistry Iasi
- 2021 - 2022 ▪ **Research assistant**, Department of Polyaddition and Photochemistry, P. Poni Institute of Macromolecular chemistry Iasi
- 2018 - 2021 ▪ **PhD** student in Chemistry, P. Poni Institute of Macromolecular chemistry Iasi, scientific coordinator dr. habil. Sergiu Coseri
- Mai – Iunie 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

- 2018 - present ▪ Research assistant, member in the implementation teams of national research projects
- 2020-2021 ▪ Assistant professor in Biomaterials, Biomedical Engineering Faculty, Gr. T. Popa University of Medicine and Pharmacy Iasi
- 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
- Iunie-iulie 2014 ▪ Research internship on physico-chemical characterization of nanoparticles, P. Poni Institute of macromolecular chemistry Iasi
- Iulie 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

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dr. bioing. Ioana A. Duceac