PERSONAL IN FORMATION

First name/Surname	**DIANA-FELICIA/LOGHIN**
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WORK EXPERIENCE

Employer	**"Petru Poni" Institute of Macromolecular Chemistry (ICMPP)**
Period/Function	August 2006 – present Research Assistant
Department	"Mihai Dima" Laboratory of Functional Polymers
Type of activity	***Fundamental research in the field of macromolecular chemistry***

EDUCATION AND TRAINING

Period	**Qualification** /Organization/ *Thesis Title*/Supervisor
2005 – 2012	**Doctor Diploma**/ICMPP/ *Contributions to Functionalization (and Diversification of Applications) of Polysaccharides*/Dr. Eng. E. S. Drăgan
2006 – 2007	**Master's Diploma**/ Faculty of Chemical Engineering and Environmental Protection, "Gh. Asachi" Technical University (TUIASI)/ *Functionalization of some polysaccharides and their characterization*/CS I, Dr. Eng. E. S. Drăgan and Prof. Dr. Eng. M. Ivănoiu
2005 – 2006	**Master's Diploma**/ Faculty of Chemical Engineering and Environmental Protection, TUIASI/Conversion of lignocellulosic biomass to ethanol used as biofuel/Conf. Dr. Ing. Eugen Horoba
2000 - 2005	**Bachelor's Diploma**/ Faculty of Chemical Engineering and Environmental Protection, TUIASI/*The obtaining dyes blue-green 1,4-bis-(4'-methyl-anilino)-9,10-anthraquinone*/Prof. Dr. V.-Marta Gorduza.

DOCTORAL THESIS

Title	***Contributions to Functionalization (and Diversification of Applications) of Polysaccharides***
Institution	Romanian Academy, "Petru Poni" Institute of Macromolecular Chemistry, Iasi, (Romania)
Scientific supervisor	Dr. Ecaterina Stela Dragan
Defense	26/10/2012 (***the Minister's decision, 20/02/2013***)

SCIENTIFIC RESEARCH

Field of research:	- Development of a new, original method for graft copolymers of starch and acrylonitrile synthesized in aqueous solution by free-radical polymerization; - Preparation of novel semi-interpenetrating hydrogels by conventional technique, cryogelation and leaching techniques, composed of either starch or anionic polyelectrolyte derived from hydrolysis of grafted starch; - Preparation of ionic composites based on cross-linked chitosan as matrix and poly(amidoxime) grafted on starch as entrapped chelating resin as microsphere;
Publications	Co-author of **12 articles ISI**, **1 paper** published in volumes of scientific meetings; Co-author of more **35 presentations** at national/international scientific meetings (**conferences, oral communications** and **poster presentations)**; **Member in 5 national research projects** (*Zwitterionic porous microparticles containing zein and betaine moieties with antimicrobial activity and drug delivery capabilities* 2021-2023*; Quartz sand/polyelectrolyte composite microparticles with high loading/release of some inorganic/organic compounds from polluted waters* 2020-2022; *Porous ionic matrices with tailored architectures and responsiveness to host bioactive compounds*, 2012 – 2016; *Microbiological membranes and synthetic biocompatible polymers with potential applications in removal of heavy metals and radioactive materials from the environment*, 2008-2011; *Hybrid materials obtained by grafting of the metal complexes on functionalized supports and their applications in the biomimetic oxidations*, 2006-2008) **Project director**, *Design of novel beads chitosan/amidoximated starch for wastewater purification applications*, PN-III-P1-1.1-PD-2016-1313, 2018-2021, *https://beadcsamoxs.wordpress.com/*
Research stages in European institutes	October 2020, *Institute of Theoretical and Physical Chemistry of the National Research Foundation of Greece*, Athens, Greece
Reviewer activity	Plastic Materials

PERSONAL SKILLS AND COMPETENCES

Technical skills	*Trained to use*: ^{1}H-NMR spectroscopy; Potentiometric titration (; UV-Vis spectrophotometer, FT-IR spectrometer, dynamic ligh scattering, fluorescence spectrometer and FT-Raman spectrometer
Foreign languages (autoevaluation)	English - good (writing, reading, speaking); French - Good (writing, reading, speaking); Romanian (native)
Social skills	Good communication, ability to acquire new knowledge; Good organizational skills to prepare the experimental tasks and objectives of projects etc.
Computer skills and competences	*Self-educated user of the following software applications*: Microsoft Office Suite, ChemOffice, Origin, ChemDraw, SpecView, SigmaPlot, ImageJ.