


PERSONAL INFORMATION **Oana-Elena Carp**

 Muntenii de Sus nr. 123, Judetul Vaslui (România)

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PROFESSIONAL EXPERIENCE

11/2019- Present

PhD Student

Currently I am a PhD student at the Institute of Macromolecular Chemistry "Petru Poni" Iasi.

02/2018–11/2018

Voluntariate

Advanced Research Center for Bioconjugates and Biopolymers, Macromolecular Chemistry Institute "Petru Poni", Iasi (Romania)

- Electrochemical characterization of organic and inorganic materials
- Development of electrochemical sensors and biosensors

EDUCATION

10/2011–07/2015

Bachelor's degree

"Grigore.T.Popa" University of Medicine and Pharmacy - Faculty of Bioengineering Iasi (Romania)

10/2015–07/2018

Bachelor's degree

"Alexandru Ioan Cuza" University - Faculty of Chemistry specialization Chemistry, Iasi (Romania)

10/2015–07/2017

Master's degree

"Grigore.T.Popa" University of Medicine and Pharmacy - Faculty of Bioengineering specialization Advanced Medical Biotechnology and Advanced Biomaterials, Iasi (Romania)

PERSONAL SKILLS

Native language Romanian

Languages

	UNDERSTANDING		SPEECH		WRITING
	Listening	Reading	Conversation	Spoken	
English	B2	B2	B2	B2	B2
Italian	C1	C1	C1	C1	C1

Technical skills and competences - cell culture maintenance techniques by making serial passages, defrosting and freezing cell lines;
- viability tests: MTT, MTS, Life-Dead;
- cell morphology analysis by staining cells with Hematoxylin Eosin;
- making 3D hydrogels based on collagen and chitosan, in which mesenchymal stem cells

- were subsequently encapsulated;
- testing hydrogel shrinkage phenomena as a result of interacting with cells;
 - Organic synthesis
 - Electrochemical characterization of materials using techniques such as: cyclic voltammetry, amperometry and differential pulse voltammetry;
 - Development of electrochemical sensors and biosensors

Scientific activity

Oral communication

National Bioengineering Conference for Students and Young Scientists, the paper titled "Chitosan and collagen based hydrogels" , XVIII edition 2015

Conferences

National Bioengineering Conference for Students and Young Researchers, XVIII- Edition 2015
National Bioengineering Conference for Students and Young Researchers, XIX- Edition 2016
International Conference on Nanotechnologies and Biomedical Engineering from Chisinau 2015
E-Health and Bioengineering Conference (EHB)-2015
Euroanalysis Conference , XX – Edition 2019