

PERSONAL INFORMATION

Jana Ghițman



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Sex Female | Date of birth March 1st, 1987 | Nationality Romanian

RESEARCH EXPERIENCE

May 2018 – July 2018

Internship
 “Assembly dynamics of DNA-based nanoparticles and microfluidics-directed synthesis”
 Universite Paris-Sud, Laboratoire de Physique des Solides, Orsay, France

September 2017 - Present

Research assistant
 GEX 81/2017 “3D printed smart composites”, Advanced Polymers Materials Group, University Politehnica of Bucharest

August 2017 - Present

Research assistant
 PN-III-P4-ID-PCE-2016-0818 “Innovative benzoxazine – functionalized graphene oxide nanocomposites”, Advanced Polymers Materials Group

May 2016 - December 2017

PNII-RU-TE-2014-4-1423 “Smart click-chemistry approach to design innovative thiol containing polymers for high performance dental materials”, Advanced Polymers Materials Group

September 2017 - January 2018

Assistant Lecturer for laboratory activities, Faculty of Applied Chemistry and Materials Science

October 2016 - January 2017

Assistant Lecturer for laboratory activities, Faculty of Medical Engineering

EDUCATION AND TRAINING

October 2015 - Present

University Politehnica of Bucharest, Faculty of Applied Chemistry and Materials Science, Department of Bioresources and Polymer Science
PhD student in chemical engineering and polymer science
 Supervisor: Prof. Dr. Eng. Horia Iovu
PhD thesis: “*Nanocomposites based on polymeric nanoparticles with potential medical applications*”

Main studied objects:

- design of new hybrid polymeric nanoparticles based on biodegradable polymer (PLGA) and vegetable oils as nanocarriers for lipophilic drugs using emulsion solvent - evaporation method
- key parameters which influence the final features of nanoparticles (diameter, stability, polydispersity, morphological characteristics)
- the effect of the vegetable oil upon the drug loading capacity of hybrid polymeric matrix
- the PEG - surface modification of polymeric nanoparticles through both physical PEG

adsorption (in the post-production step) and covalent binding
 - physical chemistry of o/w emulsion and non-ionic surfactants (CMC, HLB)

- September 2011 - May 2014 National College of Medicine and Pharmacy "Raisa Pacalo" of Republic of Moldova
Pharmacy Assistant
- September 2008 - June 2010 State University of Republic of Moldova, Faculty of Chemistry and Chemical Technology
Master's degree in Chemical Technology and Biotechnology
- September 2005 - June 2008 State University of Republic of Moldova, Faculty of Chemistry and Chemical Technology
Bachelor's degree in Chemical Technology and Biotechnology

PERSONAL SKILLS

Mother tongue(s) Romanian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	B2	B2	B2
French	B2	B2	B1	B1	B1
Russian	C2	C2	C2	C1	C1

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user
Common European Framework of Reference for Languages

Communication skills Teamwork and communication skills - developed during the studies and different research projects

Job-related skills

- Good knowledge of different methods for material characterization (FT-IR Spectrometry, TGA analyses, DSC, DMA, TEM, SEM, AFM, UV-VIS, DLS, etc.)
- ability to work in the laboratory acquired during years of study

Digital skills Advanced knowledge of Microsoft Office™
 Good knowledge of Origin data processing, Chem Draw