



Maica (Pop) Simona-Florentina

Chemist

Department XI Public Health

Faculty of Veterinary Medicine

I am a dynamic, optimist and punctual person. I possess team spirit, persistence and innovation. I am meticulous and patient.

Contact Details



0723817586



popsimfc@yahoo.com



popsimfc1981@gmail.com



Aleea Mihail Sadoveanu nr. 8,
700489, Iași



12-Mai-1981

Areas of expertise

- Control of food products of animal origin
- Food hygiene and technology.
- Food safety.
- Chemical reagents preparation.
- Chemical titrations.
- Polymers.

Competences

- Chemical titrations
- Thermal analysis (TG/DSC)
- FT-IR, UV-VIS Spectrometry
- Elemental Analysis
- Karl Fischer titrations
- Chemical reagents preparation

Professional experience

2020 - present Chemist

USV Iași preparation of materials for the following disciplines: Control of food products of animal origin, Food hygiene and technology and Food safety.

2014- 2020 Tehnician

USV Iași preparation of materials for the following disciplines: Control of food products of animal origin, Food hygiene and technology and Food safety.

2006 - 2013 Scientific Researcher degree III

Researcher in National Institute of Research and Development for Chemistry and Petrochemistry – ICECHIM, Bucharest, Analysis Department 202 Independentei Road, Bucharest 6, Romania
Knowledge of Thermal analysis (TG/DSC) of polymers, FT-IR, UV-VIS Spectrometry, Karl Fischer titrations, Vapor pressure Minivac-Voc, Elemental Analysis.

Education

2008 - 2011 Doctor's degree in material engineering

Valahia University of Târgoviște, Engineering Material, Aleea Sinaia, no 13, Târgoviște, Dâmbovița, Romania.

Doctoral scholarship POSDRU/6/1.5/S/23 co-financed by the European Social Fund, through the Sectoral Operational Program Human Resources Development 2007-2013 - "Investments in people!"
Supramolecular materials for complementary medical therapies.

2005 - 2007 Master Degree

Master in Physical- Chemistry and Applied Radiochemistry at Bucharest University of Romania, Bd. Regina Elisabeta, nr. 4–12, sector 3, București, 030018

2001 - 2005 Degree in Chemistry

Faculty of Chemistry Bucharest University of Romania, Bd. Regina Elisabeta, nr. 4–12, sector 3, București.
Licence Thesis in 2005 with 10 - Radiopharmaceutical compound marked with Iodine-131.
Top of the form Radiochemistry 2005.

1999 - 2003 Degree in Physics

Faculty of Physics Hyperion University, Calea Călărășilor 169, Sector 3, Bucuresti.
M.S., Licence Thesis in 2003 - Piezoceramics applied in medical treatment.

Research activity

Scientific papers

- **ORCID** <https://www.webofscience.com/wos/author/record/130317>
- **Google Scholar** <https://scholar.google.com/citations?user=zCUTvKsAAAAJ&hl=ro>

Research projects and grants

- 2005 - 2006** **Team Member**
CEEX Program Project Development of a laboratory for testing the physico-chemical properties of dangerous chemical substances and preparations in accordance with European requirements.
- 2006 - 2008** **Team Member**
CEEX Program Project Development of a laboratory for testing the physico-chemical properties of waste paints, varnishes and mineral oils.
- 2007 - 2010** **Team Member**
Program PNII 41-083 Experimental model of photodynamic therapy with tertakis-p-sulfophenyl-porphyrin (TSPP) on squamous cell epitheliomas TSPP-PDT and PNII 11-035 Cavity-type structures, a new approach to nanotechnology in the field of compounds with antitumor potential.
- 2008 - 2011** **Team Member**
Program PNII 72-184 New technological concepts regarding the development of nanomaterials with low impact on the environment and PNII 22-110 Supramolecular core-shell architectures for solar energy conversion with applications in environmental protection and obtaining useful chemical compounds.
- 2009 - 2011** **Team Member**
SProject FP7 Nanostructured hybrid nanocomposites with high mechanical strength for high performance applications. 55EU/2009.

Internships and scholarships

- 2010 - 2010** Specialization within the doctoral thesis at the Poznań University of Technology in Poznan for 3 months from September to December 2010. Field of expertise PTI-Fluorescence lifetime, LIOAS- Laser induced optical acousti

Scientific and professional organizations

- Romanian chemical association SChR from 2006 to 2013.