



Curriculum vitae

Personal information

First name/Surname **Olimpia-Adina STEGARESCU (born Rotar)**

Address Department of Physics of Nanostructured Systems, National Institute for Research and Development on Isotopic and Molecular Technologies, Cluj-Napoca, 67-103 Donat St., 400293 Cluj-Napoca, ROMANIA

Telephone +40264-584037

Fax +40264-420042

E-mail adina.stegarescu@itim-cj.ro

Nationality Romanian

Date of birth March 29, 1978

Gender F

Place of work National Institute for Research and Development on Isotopic and Molecular Technologies, Cluj-Napoca, ROMANIA

Work experience

Dates *2013 - present*

Occupation or position held **Scientific Researcher III**

Main activities and responsibilities Basic research, focused on synthesis of core-shell nanoparticles, magnetic nanoparticles covered with polimer.

Name and address of employer National Institute for Research and Development on Isotopic and Molecular Technologies, Cluj-Napoca, 67-103 Donat St., 400293 Cluj-Napoca, ROMANIA

Type of business or sector Research

Dates *1 Aug. 2010-3 Jan 2013*

Occupation or position held **Postdoctoral Researcher, Scientific Researcher III**

Main activities and responsibilities Design of new tin complexes with tin-chalcogen bonds (Se, Te), in which organochalcogen ligands of type RE' (R = Ph, Tol; E = Se, Te) are bonded to organotin fragments containing aromatic groups with pendant arms, capable for N→Sn intramolecular coordination.

Name and address of employer Faculty of Chemistry and Chemical Engineering, Babes-Bolyai University, 11 Arany Janos St., Cluj-Napoca, ROMANIA

Type of business or sector Research

Dates *1 May 2008-1 Aug. 2010*

Occupation or position held **Scientific Researcher III**

Main activities and responsibilities	Develop fundamental research in the field of hypervalent organometallic compounds of mercury, selenium and tellurium with organic groups bearing pnictogen (N, P, Sb) or chalcogen (O, S) able to provide intramolecular coordination.
Name and address of employer	Faculty of Chemistry and Chemical Engineering, Babes-Bolyai University, 11 Arany Janos St., Cluj-Napoca, ROMANIA
Type of business or sector	Research
Dates	<i>1 April 2008-1 May 2008</i>
Occupation or position held	Researcher Assistant
Main activities and responsibilities	Design of new tin complexes with tin-chalcogen (Se, Te) bonds, containing tin halides (SnCl ₂ or SnCl ₄) or organotin fragments of type R _x Sn (R = Me, Ph, Bu ⁿ) and hypervalent organo-chalcogen ligands.
Name and address of employer	Faculty of Chemistry and Chemical Engineering, Babes-Bolyai University, 11 Arany Janos St., Cluj-Napoca, ROMANIA
Type of business or sector	Research
Dates	<i>1 Dec. 2007-1 April 2008</i>
Occupation or position held	Postdoctoral Researcher
Main activities and responsibilities	Synthesis and characterization of some new organomercury(II) compounds with aromatic groups bearing one or two pendant arms with donor atoms, able to coordinate intramolecularly to the metallic centre.
Name and address of employer	Faculty of Chemistry and Chemical Engineering, Babes-Bolyai University, 11 Arany Janos St., Cluj-Napoca, ROMANIA
Type of business or sector	Research
Dates	<i>16 Oct. 2006-1 Dec. 2007</i>
Occupation or position held	Researcher Assistant
Main activities and responsibilities	Inorganic and element-organic chemistry. Synthesis and structural characterization of inorganic, organometallic, and organo-phosphorous compounds, the study of hypervalent compounds of the main group elements.
Name and address of employer	Faculty of Chemistry and Chemical Engineering, Babes-Bolyai University, 11 Arany Janos St., Cluj-Napoca, ROMANIA
Type of business or sector	Research
Education and training	
Dates	<i>Nov 2001-June 2007</i>
Title of qualification awarded	PhD in Chemistry
Principal subjects/occupational skills covered	Studies on organotin hypervalent compounds.

Name and type of organization providing education and training Faculty of Chemistry and Chemical Engineering, Babes-Bolyai University, 11 Arany Janos St., Babes-Bolyai University, Cluj-Napoca, Romania

Dates 2000 – 2001

Title of qualification awarded **MSc degree in Coordination and Organometallic Chemistry**

Principal subjects/occupational skills covered Hypervalent organotin compounds.

Name and type of organization providing education and training Faculty of Chemistry and Chemical Engineering, Babes-Bolyai University, 11 Arany Janos St., Babes-Bolyai University, Cluj-Napoca, Romania

Dates 1996- 2000

Title of qualification awarded **Bachelor’s degree in Chemistry**

Principal subjects/occupational skills covered Copper compound; synthesis and characterization.

Name and type of organization providing education and training Faculty of Chemistry and Chemical Engineering, Babes-Bolyai University, 11 Arany Janos St., Babes-Bolyai University, Cluj-Napoca, Romania

Personal skills and competences

Mother tongues Romanian

Other languages **English**

Self-assessment
European level (*)

English

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production		Listening	
B2	Independent user	B1	Independent user	B1	Independent user	B1	Independent user	B1	Independent user

(*) Common European Framework of Reference for Languages

Social skills and competences Good capacity of teamwork, good communication skills gained through my experience in research laboratories detail oriented, hardworking, and creative. Scientific collaborations with research groups from Romania and abroad (Germany and Spain).

Organizational skills and competences Good leadership skills and also good executants. PI of two research grants (see Annex 1) and member in more than 10 research grants. Good skills in writing research proposals and implementing research grants.

Technical skills and competences *Research* – more than 16 years of experience in laboratories from Romania. Research visits in laboratories from Germany and Spain. Focused on synthesis of “core-shell” nanoparticles, magnetic nanoparticles covered with polimer, inorganic and element-organic

chemistry. Synthesis and structural characterization of inorganic, organometallic, and organo-phosphorous compounds, the study of hypervalent compounds of the main group elements. Very good skills in synthesizing information, writing research papers in the field of nanomaterials and organometallics. Very good laboratory skills (synthesis and analysis).

Stays abroad 1 April-1 Julie 2003 / Departamento de Quimica Inorganica, Universidad de Zaragoza (Spain, Prof. Dr. Antonio Laguna)
1 May-1 Julie 2005 / Technische Universität Dortmund, Dortmund (Germany, Prof. Dr. Klaus Jurkschat)
1 Sep – 1 Oct 2011 / Departamento de Quimica Inorganica, Universidad de Zaragoza (Spain, Prof. Antonio Laguna)
2 Nov – 30 Nov 2011 / Technische Universität Dortmund, Dortmund (Germany, Prof. Dr. Klaus Jurkschat)

Computer skills and competences WINDOWS, MICROSOFT OFFICE (Word, Power Point, Excel), CHEMWIND si CHEMDRAW, COREL DRAW, PAINT, pocket soft SHELX and DIAMOND (for X-ray difraction on monocristal), pocket WINNMR, gNMR si MESTREC

Driver license -

Annexes **Annex 1:** Research projects
Annex 2: Publications

Date

30.05.2019

Signature