



Europass Curriculum Vitae

Personal information

Surname(s) / First name(s)	Septelean Raluca Anamaria
Address(es)	11, Arany Janos
E-mail	sraluca@chem.ubbcluj.ro
Nationality	Romanian
Date of birth	22.11.1981
Work experience	
Dates	2005-2009
Occupation or position held	PhD student
Name and address of employer	Faculty of Chemistry and Chemical Engineering, Babes-Bolyai University
Education and training	
Dates	-October 2005 - November 2009
Title of qualification awarded	PhD in chemistry
Principal subjects/occupational skills covered	doctoral studies in Organometallic Chemistry, Computational Chemistry
Name and type of organisation providing education and training	- Faculty of Chemistry and Chemical Engineering, Babes-Bolyai University / Laboratoire Hétérochimie Fondamentale et Appliquée, Université Paul Sabatier, Toulouse, France
Dates	-October 2004 – September 2005
Title of qualification awarded	- Master of Science
Principal subjects/occupational skills covered	- Applied Organometallic and Coordination Chemistry
Name and type of organisation providing education and training	- Faculty of Chemistry and Chemical Engineering, Babes-Bolyai University
Dates	-October 2000- July 2004
Title of qualification awarded	- Bachelor's degree in Chemistry
Name and type of organisation providing education and training	- Faculty of Chemistry and Chemical Engineering, Babes-Bolyai University

Personal skills and Competences

Mother tongue(s)

Self-assessment

European level ()*

English

French

Spanish

Romanian

		Understanding		Speaking		Writing	
		Listening	Reading	Spoken interaction		Spoken production	
C 2	Advanced	C 2	Advanced	C 2	Advanced	C 1	Advanced
C 2	Advanced	C 2	Advanced	C 2	Advanced	C 2	Advanced
C 1	Advanced	C 1	Advanced	C 1	Advanced	B 2	Intermediate
						B 1	Intermediate

(*) *Common European Framework of Reference for Languages*

Organizing skills and competences

Director of a research project for young PhD students financed by the Romanian Government (CNCSIS PNII-TD 418)

Technical skills and competences

Use of argon based dry-box for sensitive air manipulations, use of inert atmosphere conditioned Schlenk techniques and utilization of NMR spectrometer Avance 300 MHz for different nuclei.

Computer skills and competences

Fully skilled in user level with the following operative systems: Windows (95 – Vista); fully skilled in the following text editing software: Microsoft Office and Open Office, Common Chemical drawing programs (ChemOffice, ChemWin etc.), skilled in specialized software for visualization or computational calculations (Molekel, Molden, GabEdit, Gaussview, Gaussian, Spartan, HyperChem)

Stays abroad:	<ul style="list-style-type: none"> - February 2005 - July 2005 : Laboratoire Hétérochimie Fondamentale et Appliquée, Université Paul Sabatier, Toulouse, France (Socrate-Erasmus scholarship) - November 2005 - May 2006 : Laboratoire Hétérochimie Fondamentale et Appliquée, Université Paul Sabatier, Toulouse, France - October 2006 – July 2007 : Laboratoire Hétérochimie Fondamentale et Appliquée, Université Paul Sabatier, Toulouse, France. (Eiffel scholarship of the French Ministry) - December 2007 – January 2008 – Laboratory Inorganica 2, Pontificia Universidad Católica de Chile, Santiago de Chile, Chile - September 2008: Laboratoire Hétérochimie Fondamentale et Appliquée, Université Paul Sabatier, Toulouse, France. - 26-29 march 2010: Training School „Models, Structures, Spectroscopies – Contemporary Methods”, Pecs, Hungary - May 15th – June 15th 2010: Research stage at University of science Pecs, Hungary
Scientific Papers	<p>Published Papers</p> <ol style="list-style-type: none"> 1. Phosphavinylidene(oxo)phosphorane Mes*P(O)=C=PMes*: A Diphosphaallene Featuring $\lambda^5\sigma^3$- and $\lambda^3\sigma^2$-Phosphorus Atoms, R. Septelean, H. Ranaivonjatovo, G. Nemes, J. Escudé, I. Silaghi-Dumitrescu, H. Gornitzka, L. Silaghi-Dumitrescu, S. Massou, <i>Eur. J. Inorg. Chem.</i>, 2006, 4237–4241. 2. Secondary Interactions in Heteroallenic Systems with P=C-E Units, G. Nemes, I. Silaghi-Dumitrescu, P. M. Petrar, R. Septelean, L. Silaghi-Dumitrescu, <i>Studia Univ. Babes-Bolyai, Chemia</i>, 2007, LII(I), 3-10. 3. Towards new double bonded organophosphorus derivatives of C=P=C=P type, G. Nemes, R. Septelean, P. M. Petrar, L. Silaghi-Dumitrescu, I. Silaghi-Dumitrescu, <i>Studia Univ. Babes-Bolyai, Chemia</i>, 2007, LII(4), 84-89. 4. vic-Dichlorodiphosphapropenes – Synthesis and Coordination Ability, R. Septelean, G. Nemes, J. Escudé, I. Silaghi-Dumitrescu, H. Ranaivonjatovo, P. M. Petrar, H. Gornitzka, L. Silaghi-Dumitrescu, N. Saffon, <i>Eur. J. Inorg. Chem.</i>, 2009, 5, 628. 5. Lower Rim Silyl Substituted Calix[8]arenes, N. Fleuret, S. Paic, G. Nemes, R. Septelean, P. Petrar, I. Silaghi-Dumitrescu, <i>Studia Univ. Babes-Bolyai</i>, 2009, LIV, 3, 81. <p>Posters</p> <ol style="list-style-type: none"> 1. Mes*P(O)=C=PMes* : le premier phosphavinylidène(oxo)phosphorane, R. Septelean, H. Ranaivonjatovo, G. Nemes Cretiu, J. Escudé, I. Silaghi-Dumitrescu, H. Gornitzka, L. Silaghi-Dumitrescu, S. Massou, <i>XVème Journée de Chimie Grand Sud-Ouest, Montpellier, France, 25 novembre 2005</i>.

- 2. Theoretical investigation of $-P=C=P(O)-$ phosphaallenes, R. Septelean, G. Nemes, I. Silaghi-Dumitrescu, **TOPMOL 2006**, Cluj-Napoca, Romania, september 25-30th 2006.**
- 3. Heteroalene continand elemente grele din grupele 14 si 15, G. Nemes, I. Silaghi-Dumitrescu, P. M. Petrar, R. Septelean, L. Silaghi-Dumitrescu, J. Escudie, H. Ranaivonjatovo, H. Gornitzka, **A XXIX-a Conferinta Nationala de Chimie**, Calimanesti Caciulata, Romania, 4-6 octombrie 2006.**
- 4. Precursori pentru fosfaalene : Sinteza si Caracterizarea Structurala a Mes* $P=CCl-PCl(S)t-Bu$, R. Septelean, H. Ranavonjatovo, G. Nemes, J. Escudie, I. Silaghi-Dumitrescu, H. Gornitzka, **A XXIX-a Conferinta Nationala de Chimie**, Calimanesti Caciulata, Romania, 4-6 octombrie 2006.**
- 5. Nouveaux diphosphaallènes à atomes de phosphore di- et tricoordonnés $\lambda^3\sigma^2$ et $\lambda^5\sigma^3R$. R. Septelean, H. Ranaivonjatovo, G. Nemes, J. Escudié, I. Silaghi-Dumitrescu, H. Gornitzka, **Toulouse, France, 23 avril 2007**.**
- 6. Mes* $P=CX_2\cdot W(CO)_5$: De Nouvelles Briques Moleculaires en Chimie Organometallique, R. D. Pop, I. Silaghi-Dumitrescu, G. Nemes, R. Septelean, H. Ranaivonjatovo, H. Gornitzka, J. Escudié, **4th International Chemistry Conference Toulouse-Kiev**, Toulouse, France, june 06-08th, 2007.**
- 7. Towards new diphosphapropenic systems, R. Septelean, G. Nemes, P. M. Petrar, L. Silaghi-Dumitrescu, I. Silaghi-Dumitrescu, J. Escudie, H. Ranaivonjatovo, H. Gornitzka, **23rd International Conference on Organometallic Chemistry**, Rennes, France, july 13-16th, 2008.**
- 8. Noi Chelati ai 2,3-dicloro-1,3-difosfapropanelor cu paladiu, R. Septelean, G. Nemes, L. Silaghi-Dumitrescu, I. Silaghi-Dumitrescu, J. Escudie, H. Gornitzka, **Sesiunea de comunicari stiintifice ocazionata de Zilele Universitatii Alexandru Ioan Cuza**, Iasi, Romania, **24-26 octombrie 2008**.**
- 9. Relative Stabilities of $C_2H_2P_2O$ isomers, R. Septelean, G. Nemes, I. Silaghi-Dumitrescu, J. Escudie, **Molecular Modeling in Chemistry and Biochemistry, MOLMOD 2009**, Cluj-Napoca, Romania, **april 2nd-4th**.**
- 10. P(III) / P(V) isomers of CX_2P_2O systems, R. Septelean, G. Nemes, I. Silaghi-Dumitrescu, **Molecular Modeling in Chemistry and Biochemistry, MOLMOD 2009**, Cluj-Napoca, Romania, **april 2nd-4th**.**
- 11. Coordination Behaviour of Vic-Dichlorodiphosphapropenes towards Palladium Complexes, R. Septelean, G. Nemes, P. M. Petrar, I. Silaghi-Dumitrescu, J. Escudie, H. Ranaivonjatovo, H. Gornitzka, **11th Central and Eastern European NMR Symposium, CEUM 2009**, Cluj-Napoca, **4-6 october 2009**.**
- 12. Theoretical evaluation of the effect induced by R groups on the stability of diphosphaallene systems, R. Septelean, G. Nemes, P. Petrar, J. Escudié, I. Silaghi-Dumitrescu, **Molecular Modeling in Chemistry and Biochemistry, MOLMOD 2010**, Cluj-Napoca, Romania, **28 May**.**

Oral Presentations

1. Towards the synthesis of new diphosphaallenes featuring $\lambda^5\sigma^3$ and $\lambda^3\sigma^2$ phosphorus atoms, R. A. Septelean, H. Ranaivonjatovo, G. Nemes, J. Escudié, I. Silaghi-Dumitrescu, H. Gornitzka, **4th International Chemistry Conference Toulouse-Kiev**, Toulouse, France, june 06-08th, 2007.