



Europass Curriculum Vitae

Personal information

First name(s) / Surname(s) **Salomia Oana GRAD (born MOLDOVAN)**
Address(es) Taberei St., No. 20, Cluj-Napoca, 400512, Romania
Mobile +40741746788
E-mail(s) omoldovan@chem.ubbcluj.ro
<http://chem.ubbcluj.ro/~darab/index.html>
Nationality Romanian
Date of birth 08 February 1985
Gender Female

Desired employment / Occupational field

Research Assistant

Work experience

Dates March 2012 – Present
Occupation or position held Research Assistant (Research Project PN-II-ID-PCE-2011-3-0128 Project Leader: Prof. Dr. Mircea Darabantu)
Main activities and responsibilities Iterative synthesis and structural analysis of novel dendritic melamines incorporating serinolic units
Name and address of employer University *Babes-Bolyai* Cluj-Napoca, M., Kogalniceanu St., No. 1, Cluj-Napoca, 400028, Romania
Dates November 2013 – October 2014
Occupation or position held Research Assistant (Project Leader: Grants for Young Researchers GTC-34053/2013)
Main activities and responsibilities Synthesis and structural analysis of novel *N*-modified glycines as (hetero)aromatic meta-trivalent and enantiopure dendritic cores
Name and address of employer University *Babes-Bolyai* Cluj-Napoca, M., Kogalniceanu St., No. 1, Cluj-Napoca, 400028, Romania

Education and training

Dates October 2009-November 2012
Title of qualification awarded PhD in chemistry
Principal subjects / occupational skills covered Stereosynthesis of highly functionalised π -deficient systems with (masked) serinolic motifs. Iterative synthesis and stereochemistry of novel dendritic melamines. Structural organic analysis (NMT, IR, UV, MS).
Name and type of organisation providing education and training *Co-Directorship* between Prof. Dr. Mircea Darabantu (University *Babes-Bolyai*, Romania) and Prof. Dr. Yvan Ramondenc (University of Rouen, France)
Dates October 2004 – July 2009
Title of qualification awarded Bachelor's degree in Chemistry
Principal subjects / occupational skills covered Organic Chemical Technology
Name and type of organisation providing education and training University *Babes-Bolyai* Cluj-Napoca, Faculty of Chemistry and Chemical Engineering, Arany Janos St. No.11, Cluj-Napoca, 400028, Romania

Personal skills and competences

Mother tongue(s) Romanian

Other language(s) French, English

Self-assessment
European level ()***French****English**

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
B2	Independent user	C1	Proficient user	C1	Proficient user	B2	Independent user	B2	Independent user
B2	Independent user	C1	Proficient user	C1	Proficient user	B2	Independent user	B2	Independent user

(*) [Common European Framework of Reference \(CEF\) level](#)

Social skills and competences Team spirit, communication skills

Technical skills and competences Good knowledge of Nuclear Magnetic Resonance Instruments (RMN), Infrared spectroscopy, basic knowledge of polarimetry, atomic force microscopy

Computer skills and competences Good command of Microsoft Office™ tools (Word™, Excel™ and PowerPoint™), Chem-Win, Chem-Draw, MestRe-C, WIN-NMR, Topspin, Scifinder

Additional information*Practical works and seminars* at University Babes-Bolyai Cluj-Napoca, Faculty of Chemistry and Chemical Engineering, Department of Chemistry for *Organic Chemistry*, BSc. Level**Annexes**

List of publications

LIST OF PUBLICATION

1. Papers in Romania

- 1.1. "Synthesis of a Dimeric G-2 Melamine Dendrimer. First Use of a Masked Piperidone Motif in Dendritic Chemistry"
F. Popa, **O. Moldovan**, M. Iusco, P. Lameiras, C. Batiu, Y. Ramondenc, M. Darabantu
Stud. U. Babes-Bol. Che. **2009**, LIV, 4, 237-248
- 1.2. "To What Extent the NMR "Mobile Protons" Are Relevant for Restricted Rotational Stereochemistry Phenomena? A Case in Amino-s-Triazine Series"
O. Moldovan, P. Lameiras, E. Henon, F. Popa, A. Martinez, D. Harakat, C. Bătiu, Y. Ramondenc, M. Darabantu
Stud. U. Babes-Bol. Che. **2010**, LV, 4, 35-39
- 1.3. "Novel 1,3-Thiazolidines. Synthesis of 2-Aryl-4,4-Bis(Hydroxymethyl)-1,3-Thiazolidines by Direct Thioaminalisation"
C. Morar, C. Sacalis, P. Lameiras, I. Bratu, **O. Moldovan**, Y. Ramondenc and M. Darabantu
Stud. U. Babes-Bol. Che., **2012**, LVII, 4, 145-156

2. Papers abroad

- 2.1. "Amino-s-triazine. Synthesis and Stereochemistry of Restricted Rotational Phenomena. First Use of a C-2-Substituted Serinol in Tandem with Masked 4-Piperidone for Selective Amination of Cyanuric Chloride"
F. Popa, P. Lameiras, E. Henon, **O. Moldovan**, A. Martinez, C. Bătiu, Y. Ramondenc, M. Darabantu
Can. J. Chem. **2011**, 89(10), 1207-1221
- 2.2. "New Serinolic Amino-s-triazines by Chemoselective Amination of Cyanuric Chloride and their (Pro)diastereomerism in Restricted Rotational Phenomena"
O. Moldovan, P. Lameiras, E. Henon, F. Popa, A. Martinez, D. Harakat, C. Sacalis, Y. Ramondenc, M. Darabantu
Centr. Eur. J. Chem. **2012**, 10(4), 1119-1136
- 2.3. "Design, Synthesis and Structure of New Dendritic Melamines. First Use of a Tandem C-2-Substituted Serinol-O,O-Masked 4-Piperidone as a Peripheral Unit in Iterative Synthesis"
F. Popa, P. Lameiras, **O. Moldovan**, M. Tomoaia-Cotisel, E. Henon, A. Martinez, C. Sacalis, A. Mocanu, Y. Ramondenc, M. Darabantu
Tetrahedron **2012**, 68(43), 8945-8967
- 2.4. "Stereochemistry of Six-membered Spiranes Arising from the First Use of a Diaza-trispiro- heneicosane Motif in the Synthesis of a G-1 Dendritic Melamine"
O. Moldovan, P. Lameiras, I. Nagy, T. Opruta, F. Popa, C. Antheaume, Y. Ramondenc, M. Darabantu
Tetrahedron, **2013**, 69(4), 2199-2213
- 2.5. "Synthesis and photophysical properties of push-pull structures incorporating diazines as attracting part and fluorene core"
C. Denneval, **O. Moldovan**, C. Baudequin, S. Achelle, P. Baldeck, N. Plé, M. Darabantu and Y. Ramondenc
Eur. J. Org. Chem. **2013**, 25, 5591-5602
- 2.6. "Synthesis and stereochemistry of new 1,3-thiazolidine systems based on 2-amino-2-(mercaptomethyl)propane-1,3-diol: 4,4-bis(hydroxymethyl)-1,3-thiazolidines and c-5-hydroxymethyl-3-oxa-7-thia-r-1-azabicyclo[3.3.0]octanes"
C. Morar, C. Sacalis, P. Lameiras, A. Soran, H. Khartabil, C. Antheaume, I. Bratu, **O. Moldovan**, M. Darabantu
Tetrahedron **2013**, 69(47), 9966-9985

3. Attended conferences

- 3.1. "Design and Iterative Synthesis of Some Melamine G-2 Dendrons and Dendrimers Based on β - Aminoalcohols and 4-Piperidone Skeletons as Surface Groups"
F. Martin, M. Iusco, **O. Moldovan**, L. Andrisca, P. Lameiras, C. Batiu, Y. Ramondenc, M. Darabantu
Journées Nord-Ouest Européennes Jeunes Chercheurs et Journées de l'Ecole Normande de Chimie (JNOEJC 2009), Rouen-Caen Southampton, Mai **2009**
- 3.2. "Synthèse convergente et analyse structurale de nouveaux dendrimères G-2 melaminiques à partir d'un tandem Sérinol C-2-substitué et de cétal de la 4-piperidone"
F. Martin-Popa, **O. Moldovan**, P. Lameiras, M. Tomoaia-Cotisel, C. Batiu, Y. Ramondenc, M. Darabantu
Le Sixième Colloque Franco-Roumain de Chimie Appliquée (COFrRoCA 2010), Orléans, France 7-10 Juillet **2010**

- 3.3. "Serinolic Tandems in Iterative Synthesis of Novel Dendritic Melamines"
O. Moldovan, P. Lameiras, C. Batiu, Y. Ramondenc, M. Darabantu
Journées de l'Ecole Doctorale Normande de Chimie (JEDNC 2011), Havre, 31 Mai **2011**
- 3.4. "Tandèmes sérinoliques dans la synthèse itérative de nouvelles mélamines dendritiques"
O. Moldovan, P. Lameiras, C. Batiu, Y. Ramondenc, M. Darabantu
Journées Nord-Ouest Européennes des Jeunes Chercheurs (JNOEJC 2011), Caen, 14-15 Juin **2011**
- 3.5. "Glycines N-modifiées comme coeurs dendritiques méta-trivalents (hétéro)aromatiques et optiquement actives"
O. Moldovan, I. Nagy, M. Darabantu
Le Huitième Colloque Franco-Roumain de Chimie Appliquée (COFrRoCA 2014), Montpellier, France 15-18 Septembre **2014**