

CURRICULUM VITAE



I. Personal data

1. Social Status

Name	MOLDOVAN Salomia Oana (married GRAD)
Date of Birth	February 8 th , 1985, Reghin
Marital Status	married
Name of Spouse	Ciprian
Basic Occupation	chemical engineer
Permanent Address	Taberei St., No. 20, et. 4 ap. 33, 400512 Cluj-Napoca, ROMANIA tel. 00-40-741-746-788 E-mail: salomia.moldovan@ubbcluj.ro m_oanna_s@yahoo.com Website: http://www.chem.ubbcluj.ro/~darab/html
Present Employment and Position	University <i>Babes-Bolyai</i> Cluj-Napoca, Faculty of Chemistry and Chemical Engineering, Department of Chemistry, 11 Arany Janos st. 400028 Cluj-Napoca, ROMANIA; tel. 00-40-264-59-38-33; fax: 00-40-264-59-08-18, Assistant-Researcher
Foreign Languages	English and French (spoken and written fluently)

2. Graduation Degrees

High School	2004, <i>Lucian Blaga</i> High-School, Reghin, ROMANIA
University	July, 2009, University <i>Babes-Bolyai</i> Cluj-Napoca, ROMANIA, Faculty of Chemistry and Chemical Engineering; title of the BSc Manuscript: <i>Iterative organic synthesis: synthesis and structure of the first dimeric G-2 dendrimer based on melamine, having methylserinol and 1,4-dioxo-8-azaspiro[4.5]decane as peripheral groups</i> . Supervisor: Prof. Dr. Eng. Mircea Darabantu

3. Ph. D. in Chemistry *Magna cum Laude*

November 22, 2012. Title of Final Defence	<i>Ingénierie de systèmes conjugués A-π-D diaziniques et évaluation de leurs propriétés opto-électroniques. Mélatamines spirodendritiques à partir des amino-1,3-dioxanes sérinologiques énantiopures. Design, synthèse et analyse structurale. Co-Directorship between Prof. Dr. Eng. Mircea Darabantu (University <i>Babes-Bolyai</i>, Romania) and Prof. Dr. Yvan Ramondenc (University of Rouen, France)</i>
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II. Employment background

November 2007 – July 2008	<i>Marketing Assistant</i> at SC ROMANIA HYPERMARCHÉ SA
March 2012 – November 2012	<i>Assistant-Researcher</i> at University <i>Babes-Bolyai</i> Cluj-Napoca, Faculty of Chemistry and Chemical Engineering, Department of Chemistry
December 2012 - Present	<i>Assistant-Researcher</i> at University <i>Babes-Bolyai</i> Cluj-Napoca, Faculty of Chemistry and Chemical Engineering, Department of Chemistry: <i>Deputy Group Leader</i>

III. Teaching background

2009 – 2011	<i>Practical works and seminars</i> at University <i>Babes-Bolyai</i> Cluj-Napoca, Faculty of Chemistry and Chemical Engineering, Department of Chemistry for <i>Organic Chemistry</i> , BSc. level
2013 - 2014	<i>Idem</i>

IV. Stages abroad

1. Research Stage

January 2011 – February 2012	<i>Université de Rouen, I.R.C.O.F. (Institut de Recherche en Chimie Organique Fine), Laboratoire de Chimie Organique Fine et Hétérocycles (L.C.O.F.H.), UMR 6014, 76131 Mont-Saint-Aignan, France (Prof. Dr. Y. Ramondenc)</i>
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2. Research Projects

Member March 2012 - Present	<i>PN-II-ID-PCE-2011-3-0128, Iterative Synthesis. Novel dendritic melamines incorporating serinolic units. Design, Preparation, Structural Analysis and Potential Application</i> University <i>Babes-Bolyai</i> , Department of Chemistry, Cluj-Napoca, ROMANIA (Project Leader: Prof. Dr. Eng. M. Darabantu).
Director November 2013 - Present	<i>Grants for Young Researchers</i> financed by University <i>Babes-Bolyai</i> Cluj-Napoca “ <i>N-modified glycines as (hetero)aromatic meta-trivalent and enantiopure dendritic cores</i> ”

V. Awards

University <i>Babes-Bolyai</i> of Romania	Ph.D. Scholarship, Project co-financed by the SECTORAL OPERATIONAL PROGRAM FOR HUMAN RESOURCES DEVELOPMENT 2007–2013 Priority Axis 1. "Education and training in support for growth and development of a knowledge based society" Key area of intervention 1.5: Doctoral and post-doctoral programs in support of research. Contract no.: POSDRU/88/1.5/S/60185-“INNOVATIVE DOCTORAL STUDIES IN A KNOWLEDGE BASED SOCIETY” 2009 – 2012 (three years)
French Ministry of Foreign and European Affairs	Scholarship Program of Excellence EIFFEL (bourses d'Excellence Doctorale EIFFEL) – 2011-2012 (six months).

VI. Scientific Background

1. Papers in Romania

1. “*Novel 1,3-Thiazolidines. Synthesis of 2-Aryl-4,4-Bis(Hhydroxymethyl)-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. “*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. Batiu, Y. Ramondenc and M. Darabantu
Stud. U. Babes-Bol. Che. **2010**, LV, 4, 35-59

3. "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 and M. Darabantu
Stud. U. Babes-Bol. Che. **2009**, LIV, 4, 237-248

2. Papers abroad

1. "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** and M. Darabantu*
Tetrahedron **2013**, 69(47), 9966-9985

2. "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

3. "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 and M. Darabantu
Tetrahedron **2013**, 69(4), 2199-2213

4. "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 and M. Darabantu
Tetrahedron **2012**, 68(43), 8945-8967

5. "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 and M. Darabantu
Centr. Eur. J. Chem. **2012**, 10(4), 1119-1136

6. "Amino-s-triazines. Synthesis and Stereochemistry of Restricted Rotational Phenomena (I). 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. Batiu, Y. Ramondenc and M. Darabantu
Can. J. Chem. **2011**, 89(10), 1207-1221