



## Curriculum Vitae Europass



### Personal information

Surname(s) / First name(s) **DARABANTU Mircea**  
Address(es) 21 December 1989 Boulev., No. 135, Block M-3, app. 70, 400604 Cluj-Napoca, ROMANIA  
Telephone(s) +40 264 59 38 33; mobile +40 722243949  
Fax(es) +40 264 59 08 18  
E-mail [darab@chem.ubbcluj.ro](mailto:darab@chem.ubbcluj.ro); [mircea\\_darabantu@hotmail.com](mailto:mircea_darabantu@hotmail.com); <http://www.chem.ubbcluj.ro/~darab>  
Nationality Romanian  
Date of birth June 6, 1955

### Academic training and positions

Dates	Sept. 1974 – July 1979
Title of qualification awarded	Chemical Engineer
Name and type of organisation providing education and training	July 1979. Polytechnic Institute <i>Traian Vuia</i> , Faculty of Chemical Technology, Timisoara, ROMANIA
Title of qualification awarded	Ph. D. in Chermistry
Name and type of organisation providing education and training	July, 1994. BABES-BOLYAI University, Cluj-Napoca, ROMANIA
Title of qualification awarded	<i>Habilitation à Diriger des Recherches</i> (H.D.R.)
Name and type of organisation providing education and training	June 2005, University of Rouen (FRANCE)

### Work experience Teaching/research/industry

Dates	1979 - 1982
Occupation or position held	Chemical engineer on probation
Main activities and responsibilities	Fine organic technology of drugs
Name and address of employer	TERAPIA S. A., 126 Fabricii st. 400632, Cluj-Napoca, ROMANIA
Type of business or sector	Pharmaceutical
Dates	1982 - 1983
Occupation or position held	Full time chemical engineer
Main activities and responsibilities	Fine organic technology of drugs
Name and address of employer	TERAPIA S. A., 126 Fabricii st., 400632, Cluj-Napoca, ROMANIA
Type of business or sector	Pharmaceutical
Dates	1983 - 1984
Occupation or position held	Chemical engineer
Main activities and responsibilities	Applied research in pharmaceutical chemistry and technical assistantship

Name and address of employer	Chemical Pharmaceutical Research Institute Bucharest, Cluj-Napoca Centre, 128 Fabricii st., 400632 Cluj-Napoca, ROMANIA
Type of business or sector	Pharmaceutical
Dates	1984 - 1990
Occupation or position held	Researcher
Main activities and responsibilities	Applied research in pharmaceutical chemistry and technical assistantship
Name and address of employer	Chemical Pharmaceutical Research Institute Bucharest, Cluj-Napoca Centre, 128 Fabricii st., 400632 Cluj-Napoca, ROMANIA
Type of business or sector	Pharmaceutical
Dates	October 1990 - present
Occupation or position held	1981 – 1982: Assoc. Assistant, BABES-BOLYAI University, Cluj-Napoca, Faculty of Chemistry and Chemical Engineering, Department of Engineering, for <i>Transfer Phenomena and Equipment in Chemical Engineering</i> 1986 – 1987: Assoc. Lecturer, BABES-BOLYAI University, Cluj-Napoca, Faculty of Chemistry and Chemical Engineering, Department of Organic Chemistry for <i>Chemistry and Technology of Pesticides</i> 1989 – 1990: idem for <i>Chemistry and Technology of Aromatic Intermediates and Organic Dyes</i> 1990 – 1997: full time Lecturer for <i>Chemistry and Technology of Aromatic Intermediates and Organic Dyes and Stereochemistry</i> 1997 – 2002: Assist. Prof. for Organic Chemistry, <i>Fine Organic and Asymmetric Synthesis, Reaction Mechanism in Organic Chemistry</i> 2002- present: full time Professor for <i>NMR in Organic Chemistry</i> (Doctoral School), <i>Special Topics in Heterocyclic Chemistry</i> (Master), <i>Asymmetric Synthesis</i> (Master), <i>Organic Chemistry</i> (Bachelor).
Main activities and responsibilities	Teaching and research
Name and address of employer	BABES-BOLYAI University Cluj-Napoca, Faculty of Chemistry and Chemical Engineering, 11 Arany-Janos st., 400028 Cluj-Napoca, ROMANIA
Type of business or sector	Academic
Dates	1994 May – June (1 month)
Occupation or position held	Visiting researcher
Main activities and responsibilities	Documentation
Name and address of employer	University of Rouen, <i>Faculté des Sciences et des Techniques de Rouen</i> , 76821 Mont Saint-Aignan, FRANCE
Type of business or sector	Academic
Dates	September 1996 - August 1997 (1 year)
Occupation or position held	Post-Doc
Main activities and responsibilities	Researcher
Name and address of employer	<i>Florida Centre for Heterocyclic Compounds</i> , University of Florida, Department of Chemistry, 32611-FL USA
Type of business or sector	Academic
Dates	1997 August – September (1 month)
Occupation or position held	Visiting researcher
Main activities and responsibilities	Documentation
Name and address of employer	University of Rouen, <i>Faculté des Sciences et des Techniques de Rouen</i> , 76821 Mont Saint-Aignan, FRANCE
Type of business or sector	Academic
Dates	1999 May – June (2 months)
Occupation or position held	Researcher
Main activities and responsibilities	Academic research
Name and address of employer	University of Rouen, I.R.C.O.F. ( <i>Institut de Recherche en Chimie Organique Fine</i> ), <i>Laboratoire de Fonctions Azotées et Oxygénées Complexes</i> (L.F.A.O.C.), 76821 Mont Saint-Aignan, FRANCE
Type of business or sector	Academic
Dates	October 1999 - October 2000 (1 year)

Occupation or position held	Post-Doc
Main activities and responsibilities	Academic Research
Name and address of employer	University of Caen, <i>Institut de la Matière et du Rayonnement</i> (I.S.M.R.A), <i>Laboratoire de Chimie Moléculaire et Thio-organique</i> (L.C.M.T.) UMR CNRS 6507, 5 Maréchal Juin Av., 14050 Caen, FRANCE
Type of business or sector	Academic
Dates	2001 March – May (3 months)
Occupation or position held	Assoc. Prof.
Main activities and responsibilities	Teaching (lab. works); academic research
Name and address of employer	University of Rouen, <i>Institut Universitaire et Technologie</i> (I.U.T) de Rouen, <i>Département de Chimie</i> and <i>Institut de Recherche en Chimie Organique Fine</i> (I.R.C.O.F., <i>Laboratoire de Chimie Organique Fine et Hétérocyclique</i> (L.C.O.F.H.), 76131 Mont Saint-Aignan, FRANCE
Type of business or sector	Academic
Dates	2002 January – June (6 months)
Occupation or position held	Invited researcher
Main activities and responsibilities	Academic research; teaching (lab. works); lectures
Name and address of employer	University of Rouen, <i>Institut Universitaire et Technologie</i> (I.U.T) de Rouen, <i>Département de Chimie</i> , 1 Thomas Becket st. and <i>Institut de Recherche en Chimie Organique Fine</i> (I.R.C.O.F., <i>Laboratoire de Chimie Organique Fine et Hétérocyclique</i> (L.C.O.F.H.), 76131 Mont Saint-Aignan, FRANCE
Type of business or sector	Academic
Dates	2003 February – May (3 months)
Occupation or position held	Professor
Main activities and responsibilities	Academic research; teaching (lab. works; seminars, courses)
Name and address of employer	University of Rouen, <i>Institut Universitaire et Technologie</i> (I.U.T) de Rouen, <i>Département de Chimie</i> , 1 Thomas Becket st. and <i>Institut de Recherche en Chimie Organique Fine</i> (I.R.C.O.F., <i>Laboratoire de Chimie Organique Fine et Hétérocyclique</i> (L.C.O.F.H.), 76131 Mont Saint-Aignan, FRANCE
Type of business or sector	Academic
Dates	2004 April – June (4 months)
Occupation or position held	Professor
Main activities and responsibilities	Academic research; teaching (lab. works; seminars, courses)
Name and address of employer	University of Rouen, <i>Institut Universitaire et Technologie</i> (I.U.T) de Rouen, <i>Département de Chimie</i> , 1 Thomas Becket st. and <i>Institut de Recherche en Chimie Organique Fine</i> (I.R.C.O.F., <i>Laboratoire de Chimie Organique Fine et Hétérocyclique</i> (L.C.O.F.H.), 76131 Mont Saint-Aignan, FRANCE
Type of business or sector	Academic
Dates	2005 January – June (6 months)
Occupation or position held	Professor
Main activities and responsibilities	Academic research; teaching (lab. works; seminars, courses)
Name and address of employer	University of Rouen, <i>Institut Universitaire et Technologie</i> (I.U.T) de Rouen, <i>Département de Chimie</i> , 1 Thomas Becket st. and <i>Institut de Recherche en Chimie Organique Fine</i> (I.R.C.O.F., <i>Laboratoire de Chimie Organique Fine et Hétérocyclique</i> (L.C.O.F.H.), 76131 Mont Saint-Aignan, FRANCE
Type of business or sector	Academic
Dates	2006 January – June (6 months)
Occupation or position held	Professor
Main activities and responsibilities	Academic research; teaching (lab. works; seminars, courses); lectures
Name and address of employer	University of Rouen, <i>Institut Universitaire et Technologie</i> (I.U.T) de Rouen, <i>Département de Chimie</i> , 1 Thomas Becket st. and <i>Institut de Recherche en Chimie Organique Fine</i> (I.R.C.O.F., <i>Laboratoire de Chimie Organique Fine et Hétérocyclique</i> (L.C.O.F.H.), 76131 Mont Saint-Aignan, FRANCE
Type of business or sector	Academic
Dates	2007 May – June (2 months)
Occupation or position held	Professor

Main activities and responsibilities	Academic research; teaching (lab. works; seminars, courses)																																																			
Name and address of employer	University de Rouen, <i>Institut Universitaire et Technologie</i> (I.U.T) de Rouen, <i>Département de Chimie</i> , 1 Thomas Becket st. and <i>Institut de Recherche en Chimie Organique Fine</i> (I.R.C.O.F., <i>Laboratoire de Chimie Organique Fine et Hétérocyclique</i> (L.C.O.F.H.), 76131 Mont Saint-Aignan, FRANCE																																																			
Type of business or sector	Academic																																																			
Dates	May 2008 (1 month)																																																			
Occupation or position held	Visiting Professor																																																			
Main activities and responsibilities	Documentation; teaching (courses); lectures.																																																			
Name and address of employer	University of Limoges, <i>Laboratoire de Chimie des Substances Naturelles</i> (L.C.S.N.), 123 Av. Albert Thomas, 87050 Limoges, FRANCE																																																			
Type of business or sector	Academic																																																			
<b>Personal skills and competences</b>																																																				
Mother tongue(s)	Romanian																																																			
Other language(s)	<b>French, English</b>																																																			
Self-assessment	<table border="1"> <thead> <tr> <th colspan="4">Understanding</th> <th colspan="4">Speaking</th> <th colspan="2">Writing</th> </tr> <tr> <th colspan="2">Listening</th> <th colspan="2">Reading</th> <th colspan="2">Spoken interaction</th> <th colspan="2">Spoken production</th> <th colspan="2"></th> </tr> </thead> <tbody> <tr> <td><b>French</b></td> <td>C2</td> <td>Proficient</td> <td>C2</td> <td>Proficient</td> <td>C2</td> <td>Proficient</td> <td>C2</td> <td>Proficient</td> <td>C2</td> <td>Proficient</td> </tr> <tr> <td><b>English</b></td> <td>C1</td> <td>Advanced</td> <td>C1</td> <td>Advanced</td> <td>C1</td> <td>Advanced</td> <td>C1</td> <td>Advanced</td> <td>C2</td> <td>Advanced</td> </tr> </tbody> </table>										Understanding				Speaking				Writing		Listening		Reading		Spoken interaction		Spoken production				<b>French</b>	C2	Proficient	C2	Proficient	C2	Proficient	C2	Proficient	C2	Proficient	<b>English</b>	C1	Advanced	C1	Advanced	C1	Advanced	C1	Advanced	C2	Advanced
Understanding				Speaking				Writing																																												
Listening		Reading		Spoken interaction		Spoken production																																														
<b>French</b>	C2	Proficient	C2	Proficient	C2	Proficient	C2	Proficient	C2	Proficient																																										
<b>English</b>	C1	Advanced	C1	Advanced	C1	Advanced	C1	Advanced	C2	Advanced																																										
Organisational skills and competences	Team spirit. Exigent. Very adaptable to very different social and cultural media.																																																			
Technical skills and competences	Fine organic synthesis. Structural organic analysis (NMT, IR, UV, MS, X-ray). Chromatography. Direct operator on Nuclear Magnetic Resonance Instruments (RMN).																																																			
Computer skills and competences	MS Word for Windows; Windows Excel; Chem-Win; Chem-Draw; PDF; ISIS-Draw. MestRe-C Nova.																																																			
Artistic skills and competences	Playing keyboards and drums.																																																			
<b>Research interests</b>	Iterative organic synthesis. ( <i>N,X</i> )-Five- and six-membered heterocycles ( <i>X</i> = N, O, S), synthesis and functionalization thereof. Molecular stereodynamism. Nuclear Magnetic Resonance (NMR). Stereochemistry (conformational and configurational analysis). Chemistry of C-substituted 2-aminopropane-1,3-diols ( <i>SerinoIs</i> ).																																																			
<b>Awards and distinctions</b>	<p>BABES-BOLYAI University, ROMANIA  Best Scientific Book in Academic Year 1999 – 2000:  “<i>Analyse structurale par NMR des composés organiques</i>” G. Plé, I. Grosu, S. Mager and M. Darabantu, <b>1999</b>  Publication de l'Université de Rouen, ISBN: 2-87775-244-5</p> <p>Ministry of National Education of French Republic:  <i>Chevalier de l'Ordre des Palmes Académiques</i>  April 19<sup>th</sup>, <b>2002</b></p> <p>BABES-BOLYAI University, ROMANIA:  <i>Professor of the year</i> <b>2008</b></p>																																																			

**Relevant publications  
(last 5 years)**

1. "New *p*-Aminophenol Based Dendritic Melamines. Iterative Synthesis, Structure and Electrochemical Characterisation"  
C. Morar, G. Turdean, A. Bende, P. Lameiras, C. Antheaume, L. M. Muresan\* and **M. Darabantu\***  
*C. R. Chimie* **2017**, 20(4) 402-414
2. "Novel *N*-modified Glycines Based on a (1*S*,2*S*)-2-amino-1-(4-nitrophenyl)propane-1,3-diol Skeleton: 1,3-Dioxanes and Tripodands"  
O. Moldovan, K. Albert, I. Nagy, C. Morar, C. Sacalis and **M. Darabantu\***  
*Tetrahedron Lett.* **2016**, 57(51), 5808-5811
3. "Glassy Carbon Electrode Modified with Hemin and New Melamine Compounds for H<sub>2</sub>O<sub>2</sub> Amperometric Detection"  
A. R. Deac, C. Morar, G. L. Turdean, **M. Darabantu**, E. Gál, A. Bende and L. M. Muresan  
*J. Solid State Electrochem.* **2016**, 20(11), 3071-3081
4. "Synthesis of Some Selectively *N*-protected (1*S*,2*S*)-*p*-Nitrophenylserinol Based Diamino-1,3-dioxanes and Tripodands"  
I. Nagy, O. Moldovan\*, F. Popa, P. Lameiras, C. Morar, C. Sacalis and **M. Darabantu\***  
*Synthetic Commun.* **2015**, 45(20), 2319-2330
5. "Convergent versus Divergent Three Steps Synthesis of the First (4-Aminophenoxy)alkanoic Acids Based Tripodal Melamines"  
C. Morar, L. Cost, P. Lameiras, C. Antheaume and **M. Darabantu\***  
*Synthetic Commun.* **2015**, 45(14), 1688-1695
6. "Design, Iterative Synthesis and Structure of Novel Optically Active Trispiro-dendritic Melamines Incorporating "Open-chain" vs. "Closed-chain" Serinolic Peripheral Units"  
O. Moldovan, I. Nagy, P. Lameiras, C. Antheaume, C. Sacalis and **M. Darabantu\***  
*Tetrahedron: Asymmetry* **2015**, 26(14), 683-701
7. "Synthesis and Optical Properties of Multibranched and C<sub>3</sub> Symmetrical Oligomers with Benzene or Triphenylamine Core and Diazines as Peripheral groups"  
F. Popa-Martin, C. Baudequin, C. Fiol-Petit, **M. Darabantu**, Y. Ramondenc and N. Plé  
*Tetrahedron* **2014**, 70(15), 2546-2555
8. "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
9. "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
10. "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
11. "4-Aminopiperidine Based New Amino-*s*-triazines as Potential Dendritic Building-Blocks"  
A-M. Ticala, D. Porumb, C. Sacalis\* and **M. Darabantu\***  
*Stud. U. Babes-Bol. Che.* **2016**, LXI, 4, 73-89
12. "Catalytic Wet Air Oxidation of Phenol Using Metal Modified Zeolitic Volcanic Tuffs"  
R. Plesa-Chicinas, Z. Zsebe, H. Bedeleian, **M. Darabantu** and A. Maicaneanu  
*Stud. U. Babes-Bol. Che.* **2015**, LX, 3, 237-246
13. "Concise Synthesis of Some (4-Aminophenoxy)alkanoic Acids Based on Paracetamol"  
C. Morar, L. Cost and **M. Darabantu\***  
*Stud. U. Babes-Bol. Che.* **2015**, LX, 2, Tom I, 7-14

**Grants and projects**

**Director**  
*Iterative synthesis. Novel dendritic melamines incorporating serinolic units. Design, preparation, structural analysis and potential applications*  
Financial support from U.E.F.I.S.C.D.I. (ROMANIA)  
Identification code: PN-II-ID-PCE-2012-3-0128  
Period: 2011-2016