



## Europass Curriculum Vitae

### Personal information

First name(s) / Surname(s) **David Luminita-Camelia**  
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E-mail muntean@chem.ubbcluj.ro  
Nationality Romanian  
Date of birth 1964, September, 9  
Gender Female

### Desired employment / Occupational field

Babeş-Bolyai University, Faculty of Chemistry and Chemical Engineering, Chemistry Department

### Work experience

Dates	2004 – present
Occupation or position held	Associate Professor, Faculty of Chemistry and Chemical Engineering, Chemistry Department
Main activities and responsibilities	Teaching, research
Name and address of employer	Babeş-Bolyai University, 1, M. Kogalniceanu Str., 400084, Cluj-Napoca, Romania
Type of business or sector	Higher education and research
Dates	1998-2004
Occupation or position held	Lecturer, Faculty of Chemistry and Chemical Engineering
Main activities and responsibilities	Teaching, research
Name and address of employer	Babeş-Bolyai University, 1, M. Kogalniceanu Str., 400084, Cluj-Napoca, Romania
Type of business or sector	Higher education and research
Dates	1992-1998
Occupation or position held	Teaching Assistant, Faculty of Chemistry and Chemical Engineering
Main activities and responsibilities	Teaching, research
Name and address of employer	Babeş-Bolyai University, 1, M. Kogalniceanu Str., 400084, Cluj-Napoca, Romania
Type of business or sector	Higher education and research
Dates	1991-1992
Occupation or position held	Researcher
Main activities and responsibilities	Research
Name and address of employer	National Institute for Chemical Pharmaceutical Research, 124, Fabricii Str., 400632, Cluj-Napoca, Romania
Type of business or sector	Research
Dates	1990-1991
Occupation or position held	Chemist
Main activities and responsibilities	Research
Name and address of employer	National Institute for Chemical Pharmaceutical Research, 124, Fabricii Str., 400632, Cluj-Napoca, Romania
Type of business or sector	Research

Dates 1987-1990  
 Occupation or position held Chemical engineer  
 Main activities and responsibilities Chemical analyses of petroleum products  
 Name and address of employer Enterprise for Petroleum Products Delivery, 274, Bucuresti Str., 240291, Ramnicu-Valcea, Romania  
 Type of business or sector Services/Petroleum Products Delivery

### Education and training

Dates 1999  
 Title of qualification awarded PhD in Chemistry  
 Principal subjects/occupational skills covered Synthesis and stereochemistry of organic compounds  
 Name and type of organisation providing education and training Babes-Bolyai University, Faculty of Chemistry and Chemical Engineering  
 Level in national or international classification Postgraduated

Dates 1982-1987  
 Title of qualification awarded Chemical Engineer  
 Principal subjects/occupational skills covered Organic chemistry / Chemical technology  
 Name and type of organisation providing education and training Babes-Bolyai University, Faculty of Technological Chemistry  
 Level in national or international classification University graduated

Dates 1978-1982  
 Title of qualification awarded High school diploma  
 Principal subjects/occupational skills covered Chemistry / Chemical technology  
 Name and type of organisation providing education and training "Terapia" High School Cluj-Napoca  
 Level in national or international classification High school graduated

### Personal skills and competences

Mother tongue(s) Romanian

Other language(s)

Self-assessment

European level (\*)

**French**

**English**

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
C1	Proficient user	C2	Proficient user	C1	Proficient user	C1	Proficient user	C1	Proficient user
B1	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 Teamwork abilities, rapid integration in new working groups, good communication capacity.  
 Organisational skills and competences Good organizer and project management experience as project director  
 Technical skills and competences Experimental techniques in organic synthesis and structural characterization methods (RMN, IR, UV-VIS)  
 Computer skills and competences PC and compatible programs user, including internet, graphic software, laboratory equipment software.

Artistic skills and competences

Other skills and competences

Driving licence Yes, B category

**Annexes** Scientific results

## List of publications

### Books/Book chapters

1. S. Mager, D. Kovacs, **L. Muntean**, "Curs de Chimie Organică" (Organic Chemistry Course) – partea întâi, vol. 3, Presa Universitară Clujeană, **1994**, 190 p.
2. S. Mager, I. Grosu, **L. David**, "Stereochimia compusilor organici" (The Stereochemistry of Organic Compounds), Ed. Dacia, Cluj-Napoca, **2006**, 523 pag.
3. L. David, B. Moldovan, "Extraction, characterization and potential health benefits of bioactive compounds from selected *Cornus* fruits". In: Owen J. P. editor. Fruits and pomace extracts: biological activity, potential applications and beneficial health effects. New-York, Nova Science Publishers, Inc. **2015**, pp. 157-188

### Articles

#### I. ISI Journals

1. I. Grosu, S. Mager, G. Plé, R. Martinez, **L. Muntean**, E. Mesaroş, "Synthesis and Stereochemistry of Chiral 1,3-Dioxanic Compounds Obtained from  $\alpha$ -Alkylated  $\beta$ -Ketoesters", *Heterocycles*, **1995**, 41, 2233-2244
2. I. Grosu, S. Mager, G. Plé, **L. Muntean**, I. Schirger, "Synthesis and Stereochemistry of Some New 1,3-Dioxanes Obtained From Aromatic Carbonyl Compounds", *Heterocyclic Communications*, **1996**, 2, 423-430
3. **L. Muntean**, I. Grosu, S. Mager, G. Plé, M. Balog, "Ring-Chain Tautomerism in Spiro-1,3-oxathianes", *Tetrahedron Letters*, **2000**, 41, 1967
4. **L. Muntean**, I. Grosu, G. Plé, S. Mager, I. Silaghi-Dumitrescu, "Synthesis and Stereochemistry of Some New Spiro-1,3-perhydrooxazines", *Monatshefte fur Chemie*, **2000**, 131, 975-983
5. E. Bogdan, I. Grosu, E. Mesaros, L. Toupet, G. Plé, S. Mager, **L. Muntean**, "Considerations on the Stereoselective Synthesis of Dibrominated Spiro-1,3-dioxanes. Synthesis and Stereochemistry of Monobrominated Precursors", *Journal of Chemical Society Perkin Transactions 1*, **2000**, 3635-3639
6. A. Terec, I. Grosu, **L. Muntean**, L. Toupet, G. Plé, C. Socaci, S. Mager, "Synthesis, Stereochemistry and Ring-chain Tautomerism of Some New Spiro-1,3-oxathianes", *Tetrahedron*, **2001**, 57, 8751-8758
7. D. Opreş, I. Grosu, L. Toupet, G. Plé, A. Terec, S. Mager, **L. Muntean**, "Synthesis and Stereochemistry of New Tetraspiro-1,3-dioxanes", *Journal of Chemical Society Perkin Transactions 1*, **2001**, 2413-2420
8. M. Pop, I. Grosu, G. Plé, S. Mager, **L. Muntean**, D. Marginean, N. Dincă, "Synthesis and stereochemistry of some new 1,3-dioxane derivatives obtained from 1,3-benzenedicarboxaldehyde", *Heterocyclic Communications*, **2002**, 8, 35-38
9. I. Grosu, **L. Muntean**, L. Toupet, G. Plé, M. Pop, M. Balog, S. Mager, E. Bogdan, "Synthesis and Stereochemistry of Some New 1,3-Dioxane Derivatives of 1,4-Diacetylbenzene", *Monatshefte fur Chemie*, **2002**, 133, 631-641
10. **L. Muntean**, M. Pop, I. Grosu, S. Mager, G. Plé, A. Nan, E. Bogdan, "Synthesis and Stereochemistry of Some New 1,3-Dioxane Derivatives of 1,3-Diacetylbenzene", *Revue Roumaine de Chimie*, **2002**, 47, 327-332
11. Terec, A.; Grosu, I.; Ple, G.; **Muntean, L.**; Mager, S., "Synthesis, structural analysis and reactivity of 1,3-oxathiane derivatives", *Heterocycles*, **2003**, 60(6), 1477-1519
12. M. Stuparu, I. Grosu, **L. Muntean**, G. Ple, C. Cismas, A. Terec, A. Nan, S. Mager, "Synthesis and Stereochemistry of Some New 1,3-Oxathiane Derivatives", *Monatshefte fur Chemie*, **2004**, 135, 89-96
13. C. Cismas, I. Grosu, G. Plé, E. Condamine, Y. Ramondenc, L. Toupet, I. Silaghi-Dumitrescu, G. Nemes, A. Terec, **L. Muntean**, "Synthesis and stereochemistry of new bis(1, 3-oxathiane-2-yl) derivatives. Study on the ring - chain tautomerism and chair-boat equilibria", *Structural Chemistry*, **2005**, 16(4), 369-377
14. A. Terec, E. Bogdan, **L. David**, S. Mager, I. Grosu, "Synthesis and Stereochemistry of some new bis(1,3-Dioxane-2-yl)alkanes", *Revue Roumaine de Chimie*, **2007**, 52(1-2), 59-65
15. D. Prodan, B. Moldovan, **L. David**, I. Grosu, "Synthesis and Structural Analysis of Some New Saturated Six-membered Ring Heterocyclic Compounds Obtained From Terpenoids", *Studia Universitatis "Babes-Bolyai", Chemia*, **2008**, LIII, 15-20
16. A. Nan, **L. David**, M. Tintas, C. Lar, I. Grosu, "Synthesis, Stereochemistry and Ring-chain Tautomerism of Some New Bis(1,3-perhydrooxazin-2-yl)benzene Derivatives", *Letters in Organic Chemistry*, **2011**, 8, 16-21
17. B. Moldovan, **L. David**, R. Donca, C. Chişbora, "Degradation Kinetics of Anthocyanins from Crude Ethanolic Extract from Sour Cherries", *Studia Universitatis "Babes-Bolyai", Chemia*, **2011**, 56, 189-194
18. B. Moldovan, O. Ghic, **L. David**, C. Chişbora, "The influence of storage on the total phenols content and antioxidant activity of the Cranberrybush (*Viburnum opulus L.*) fruits extract", *Revista de Chimie*, **2012**, 63, 463-464
19. B. Moldovan, **L. David**, C. Chişbora, C. Cimpoi, "Degradation kinetics of anthocyanins from European Cranberrybush (*Viburnum opulus L.*) fruits extracts. Effects of temperature, pH and storage solvent", *Molecules*, **2012**, 17, 11655-11666
20. M. Crisan, **L. David**, B. Moldovan, A. Vulcu, S. Dreve, M. Perde-Schrepler, C. Tatomir, A. G. Filip, P. Bolfa, M. Achim, I. Chiorean, I. Kacso, C. Berghian Grosan, L. Olenic, "New Nanomaterials for the Improvement of Psoriatic Lesions", *Journal of Materials Chemistry B*, **2013**, 1, 3152-3158
21. **L. David**, A. Hosu, B. Moldovan, C. Cimpoi, "The evaluation and authentication of red fruits teas by high performance thin-layer chromatography fingerprinting", *Journal of Liquid Chromatography & Related Technologies*, **2014**, 37 (12), 1644-1653
22. B. Moldovan, **L. David**, "Influence of Temperature and Preserving Agents on the Stability of Cornelian Cherries Anthocyanins", *Molecules*, **2014**, 19, 8177-8188
23. **L. David**, B. Moldovan, A. Vulcu, L. Olenic, M. Perde-Schrepler, E. Fischer-Fodor, A. Florea, M. Crisan, I. Chiorean, S. Clichici, G. A. Filip, "Green synthesis, characterization and anti-inflammatory activity of silver nanoparticles using European black elderberry fruits extract", *Colloids and Surfaces B: Biointerfaces*, **2014**, 122, 767-777

24. A. Popa, B. Moldovan, **L. David**, "Betanin from red beet (*Beta vulgaris* L.): Extraction conditions and evaluation of the thermal stability", *Revista de Chimie*, **2015**, 66, 413-416
25. B. Moldovan, R. Mintău, **L. David**, "Thermal stability of anthocyanins from Common dogwood (*Cornus sanguinea* L.) fruits", *Studia Universitatis "Babeş-Bolyai" Chemia*, **2015**, 60 (1), 139-146
26. A. G. Filip, M. Potara, A. Florea, I. Baldea, D. Olteanu, P. Bolfa, S. Clichici, **L. David**, B. Moldovan, L. Olenic, S. Astilean, "Comparative evaluation by scanning confocal Raman spectroscopy and transmission electron microscopy of therapeutic effects of noble metal nanoparticles in experimental acute inflammation", *RSC Advances*, **2015**, 5, 67435-67448
27. B. Moldovan, A. Hosu, **L. David**, C. Cimpoiu, "Total phenolics, anthocyanins, antioxidant and pro-oxidant activity of some red fruits teas", *Acta Chimica Slovenica*, **2016**, 63(2), 213-219
28. B. Moldovan, A. Popa, **L. David**, "Effects of storage temperature on the total phenolic content of Cornelian cherry (*Cornus mas* L.) fruits extracts", *Journal of Applied Botany and Food Quality*, **2016**, 89, 208-211
29. M. Perde-Schrepler, **L. David**, L. Olenic, M. Potara, E. Fischer-Fodor, P. Virag, F. Imre-Lucaci, I. Brie, A. Florea, "Gold nanoparticles synthesized with a polyphenols-rich extract from Cornelian cherry (*Cornus mas*) fruits – effect on human skin cells", *Journal of nanomaterials*, **2016**, Article ID 6986370, 13 pages, 2016, doi:10.1155/2016/6986370.
30. B. Moldovan, **L. David**, M. Achim, S. Clichici, G. A. Filip, "A green approach to phytomediated synthesis of silver nanoparticles using *Sambucus nigra* L. fruits extract and their antioxidant activity", *Journal of Molecular Liquids*, **2016**, 221, 271-278
31. B. Moldovan, A. Filip, S. Clichici, R. Suharovschi, P. Bolfa, **L. David**, "Antioxidant Activity of Cornelian Cherry (*Cornus mas* L.) Fruits Extracts and the *In Vivo* Evaluation of their Anti-inflammatory Effects", *Journal of Functional Foods*, **2016**, 26, 77-87

## II. ISI Proceedings

1. L. Olenic, A. Vulcu, I. Chiorean, M. Crisan, C. Berghian-Grosan, S. Dreve, L. David, L. B. Tudoran, I. Kacso, I. Bratu, C. Neamtu, C. Voica, "Effect of Natural Extracts pH on Morphological Characteristics of Hybrid Materials Based on Gold Nanoparticles", AIP Conference Proceedings **2013**, 1565, 238-242

## III. Romanian journals (BDI)

1. **L. Muntean**, I. Grosu, S. Mager, "Synthesis of 1,3-Oxathiane and Perhydro-1,3-thiazine derivatives", *Studia Universitatis "Babeş-Bolyai", Chemia*, **1995**, 189
2. I. Grosu, S. Mager, **L. Muntean**, S. Gligor, "Synthesis, Stereochemistry and NMR Spectra of Some New 5,5-Substituted-1,3-Dioxanes", *Studia Universitatis "Babeş-Bolyai", Chemia*, **1996**, 41
3. D. Kovacs, **L. Muntean**, L. Crăciun, S. Mager, "The Alkylation Reaction of Some Substituted Pyrimidinones", *Studia Universitatis "Babeş-Bolyai", Chemia*, **1997**, 73
4. I. Grosu, S. Mager, E. Mesaros, **L. Muntean**, C. Socaci, "Synthesis, Stereochemistry and NMR Spectra of Some New 2,5-Substituted-1,3-Dioxanes Derivatives", *Studia Universitatis "Babeş-Bolyai", Chemia*, **1997**, 85
5. **L. Muntean**, I. Grosu, S. Mager, "Synthesis of 1,3-Perhydrooxazine Derivatives", *Studia Universitatis "Babeş-Bolyai", Chemia*, **1998**, 101
6. **L. Muntean**, I. Grosu, S. Mager, A. Nan, "Synthesis and Stereochemistry of Some Spiro-1,3-oxathiane Derivatives", *Studia Universitatis "Babeş-Bolyai", Chemia*, **1998**, 285
7. **L. Muntean**, E. Mesaros, G. Plé, I. Grosu, S. Mager, "Synthesis and Stereochemistry of Some New 2,5 Polysubstituted 1,3-Dioxanes", *Studia Universitatis "Babeş-Bolyai", Chemia*, **2000**, 47
8. **L. Muntean**, G. Turós, I. Grosu, S. Mager, C. Socaci, A. Mihis, "Synthesis and NMR Spectra of Some New 5-Methyl-2,2-Substituted-1,3-Dioxanes", *Studia Universitatis "Babeş-Bolyai", Chemia*, **2000**, 55
9. A. Terec, **L. Muntean**, S. Totos, N. Bogdan, C. Florian, D. Mărgineanu, S. Mager, I. Grosu, "Synthesis and Stereochemistry of Some New 2,4-Substituted-1,3-Dioxanes", *Studia Universitatis "Babeş-Bolyai", Chemia*, **2002**, 185
10. **L. Muntean**, M. Balog, C. Florian, A. Terec, I. Grosu, S. Mager, D. Mărgineanu, "Synthesis and Stereochemistry of Some New 1,3-Dioxane Derivatives of  $\alpha$ ,  $\beta$ -Unsaturated Aldehydes", *Studia Universitatis "Babeş-Bolyai", Chemia*, **2002**, 196
11. **L. Muntean**, I. G. Grosu, D. Demeter, N. Bogdan, S. Mager, "Synthesis and Stereochemistry of Some New 1,3-oxathiane Derivatives Obtained from 1,4-dimercaptothreitol", *Studia Universitatis "Babeş-Bolyai", Chemia*, **2004**, XLIX (1), 121
12. L. Olenic, Gh. Mihăilescu, S. Pruneanu, I. Grosu, E. Bogdan, **L. David**, S. Dreve, "New Macrocycles including Spiro-1,3-dioxane Units as Ionophores for Cation Selective Electrodes", *Studia Universitatis "Babeş-Bolyai", Chemia*, **2004**, XLIX (2), 131
13. N. Bogdan, F. Pop, A. Gâz, E. Bogdan, A. Terec, **L. David**, I. Grosu, "Synthesis and Structural Analysis of Some New Precursors of Macrocylic Cyclophanes:1,4-Bis-(2-R-5,5-Dimethyl-1,3-Dioxan-2-yl)benzene Derivatives", *Studia Universitatis "Babeş-Bolyai", Chemia*, **2006**, LI (1), 3-12
14. N. Bogdan, F. Pop, E. Bogdan, A. Gâz, A. Terec, **L. David**, I. Grosu, "Synthesis and Structural Analysis of Some New Precursors of Macrocylic Cyclophanes:1,4-Bis-(2-R-5-R<sup>1</sup>-1,3-Dioxan-2-yl)benzene Derivatives", *Studia Universitatis "Babeş-Bolyai", Chemia*, **2006**, LI (1), 13-20
15. C. Puşcaş, C. Lar, S. Mager, E. Bogdan, A. Terec, **L. David**, I. Grosu, "Synthesis and Stereochemistry of Some New 2,4,8,10-Tetraoxaspiro[5.5]undecane Derivatives", *Studia Universitatis "Babeş-Bolyai", Chemia*, **2007**, LII, 165-169

Cluj-Napoca,  
20.07.2016

Luminița David

