

## Europass Curriculum Vitae



### Personal information

**First name(s) / Surname(s)** **CARMEN-LUCIA SĂCĂLIȘ**  
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**Nationality** Romanian  
**Date of birth** May 27, 1967  
**Gender** female

### Work experience

1.10.2005 – present  
 Lecturer, Babes-Bolyai University, Faculty of Chemistry and Chemical Engineering, Cluj-Napoca, Romania  
 1.10.1990 -1.09.2005  
 Assistent, Babes-Bolyai University, Faculty of Chemistry and Chemical Engineering, Cluj-Napoca, Romania  
 1.09.1989 – 1.10.1990  
 Chemistry Teacher, "Infratitrea" High School, Oradea, Romania

#### Teaching courses

Undergraduate level: Organic Chemistry

#### Research interests:

Natural Product Chemistry  
 Coordination Chemistry  
 Iterative Organic Chemistry ( Dendrimer Chemistry )

### Education and training

**Dates** 06. 1993 - 06. 2001  
**Title of qualification awarded** PH D in Chemistry  
**Name and type of organisation providing education and training** Babes-Bolyai University, Faculty of Chemistry and Chemical Engineering, Cluj-Napoca, Romania  
**Principal subjects/occupational skills covered** Syntheses of  $\alpha$ - and  $\gamma$ -glutamyl amides and peptides / Organic Chemistry  
**Level in national classification (if appropriate)** ISCED 8

Dates 09 1985 – 06 1989  
 Title of qualification awarded BS in Chemistry  
 Name and type of organisation Babes-Bolyai University, Faculty of Chemistry and Chemical Tehnology, Cluj-Napoca, Romania  
 providing education and training  
 Principal subjects/occupational skills covered Chemistry and Physics  
 Level in national classification (if appropriate) ISCED 6

### Personal skills and competences

Mother tongue(s) Romanian

Other language(s) English, German, French

Self-assessment

European level (\*)

English

German

French

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
C1	advanced	C1	advanced	C1	advanced	B2	intermediate plus	B2	intermediate plus
C1	advanced	C1	advanced	B2	intermediate plus	B1	intermediate	B1	intermediate
A2	beginner plus	A2	beginner plus	A2	beginner plus	A2	beginner plus	A2	beginner plus

(\*) [Common European Framework of Reference for Languages](#)

Social skills and competences Good relationship with colleagues and students. Resistance to work under pressure. Ability to manage rapidly scientific works, to accommodate new facets of chemistry and to disseminate to other members of a team new acquired data and skills. Member in 6 grants and projects.

Organisational skills and competences Responsible for Labour Protection at the level of the Faculty of Chemistry and Chemical Engineering, UBB Cluj-Napoca during the period 2005-2015  
 Responsible for the Activity of Teacher Training at the level of the Faculty of Chemistry and Chemical Engineering, UBB Cluj-Napoca from 2015 until now  
 EON-XR Educator until 2021

Technical skills and competences Processing and interpretation of thermal analysis spectra  
 NMR spectra recording and processing  
 Fine organic synthesis

Computer skills and competences WINDOWS, MICROSOFT OFFICE, CHEMWIN, CHEMDRAW, SPECTRA MANAGER, MESTREC  
 NOVA

### Annexes

Scientific articles: 39  
 Participation in conferences: 19  
 Patent:1  
 Grants and projects: 6

#### Relevant publication:

- Synthesis and investigations of  $\gamma$ -L-glutamyl-cyclohexyl amide and its transition metal complexes*  
**Săcăliș, C.\*;** Jahiji, S.; Avram, A.  
*Stud. U. Babes-Bol. Che.*, **2022**, 67(4), 337-352
- Diatomaceous Earth: Characterization, thermal modification, and application*  
 Reka, A.; Pavlovski, B.; Fazlija, E.; Berisha, A.; Pacarizi, M.; Daghmehchi, M.; **Săcăliș, C.**; Jovanovski, G.; Makreski, P.; Oral, A.  
*Open Chemistry*, **2021**, 19, 451-461
- Design, synthesis and structure of novel dendritic G-2 melamines comprising piperidine motifs as key linkers and 4-(n-octyloxy)aniline as a peripheral unit*  
**Săcăliș, C.**; Morar, C.; Lameiras, P.; Lupan, A.; Silaghi-Dumitrescu, R.; Bende, A.; Katona, G.; Porumb, D.; Harakat, D.; Gal, E.; Darabantu, M.  
*Tetrahedron* **2019**, 75, 130468

4. *Complexes of selected transition metal ions with N-modified glycine as ligand*  
**Săcăliș, C.\***; Goga, F.; Somesan, C.  
*Stud. U. Babeș-Bol. Chem.*, **2018**, 63(4), 51-63
5. *Synthesis, thermal behavior and spectroscopic investigations of metal complexes with N-modified glycine as ligand*  
**Săcăliș, C.\***; Goga, F.; David, L.  
*Stud. U. Babeș-Bol. Chem.*, **2017**, 62(4), 181-192
6. *Novel N-modified glycines based on a (1S,2S)-2-amino-1-(4-nitrophenyl)propane-1,3-diol skeleton: 1,3-dioxanes and tripodands*  
Moldovan, O.; Albert, K.; Nagy, I.; **Săcăliș, C.**; Darabantu, M.  
*Tetrahedron Lett.*, **2016**, 57(51), 5808-5811
7. *Design, iterative synthesis and structure of novel optically active trispiro-dendritic melamines incorporating „open-chain” versus „closed-chain” serinolic peripheral units*  
Moldovan, O.; Nagy, I.; Lameiras, P.; Antheaume, C.; **Săcăliș, C.**; Darabantu, M.  
*Tetrahedron Asymmetry*, **2015**, 26, 683-701
8. *Synthesis of some selectively N-protected (1S,2S)-p-nitrophenylserinol-based diamino-1,3,-dioxanes and tripodands*  
Nagy, I.; Moldovan, O.; Popa, F.; Lameiras, P.; Morar, C.; **Săcăliș, C.**; Darabantu, M.  
*Synthetic Commun.*, **2015**, 45, 2319-2330
9. *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-1-azabicyclo[3.3.0]octanes*  
Morar, C.; **Săcăliș, C.**; Lameiras, P.; Soran, A.; Khartabil, H.; Antheaume, C.; Bratu, I.; Moldovan, O.; Darabantu, M.  
*Tetrahedron*. **2013**, 69, 9966-9985
10. *New serinolic amino-s-triazines by chemoselective amination of cyanuric chloride and their (pro)diastereomerism in restricted rotational phenomena*  
Moldovan, O.; Lameiras, P.; Henon, E.; Popa, F.; Martinez, A.; Harakat, D.; **Săcăliș, C.**; Ramondec, Y.; Darabantu, M.  
*Cent. Eur. J. Chem.* **2012**, 10(4), 1119-1136
11. *Design, synthesis and structure of new dendritic melamines. First use of a tandem C-2-substituted serinol-O,O-masked 4-piperidone as peripheral unit in iterative synthesis*  
Popa, F.; Lameiras, P.; Moldovan, O.; Tomoaia-Cotisel, M.; Henon, E.; Martinez, A.; **Săcăliș, C.**, Mocanu, A.; Ramondec, Y.; Darabantu, M.  
*Tetrahedron*, **2012**, 68, 8945-8967
12. *Novel 1,3-Thiazolidines. Synthesis of 2-aryl-4,4-bis(hydroxymethyl)-1,3-thiazolidines by direct thioaminalisation*  
Morar C.; **Săcăliș, C.**; Lameiras, P.; Bratu, I.; Moldovan, O.; Ramondec, Y.; Darabantu, M.  
*Stud. U. Babeș-Bol. Chem.*, **2012**, 57(4), 145-156
13. *Amino-s-triazines - 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*  
Popa, F.; Lameiras, P.; Henon, E.; Moldovan, O.; Martinez, A.; **Bătiu (Săcăliș), C.**; Ramondec, Y.; Darabantu, M.  
*Can. J. Chem.*, **2011**, 89(10), 1207-1221
14. *Synthesis and conformational analysis of the first 3-oxa-7-thia-1-azabicyclo[3.3.0]-c-5-octane single functionalised at the C-5 position*  
But, A.; Lameiras, P.; Silaghi-Dumitrescu, I.; **Bătiu (Săcăliș), C.**; Guillard, S.; Ramondec, Y.; Darabantu, M.  
*Lett. Org. Chem.* **2010**, 7, 283-290
15. *Serinolic approach in the synthesis of the 3-oxa-7-thia-1-azabicyclo[3.3.0]octane skeleton functionalised at the C-5 position*  
But, A.; **Bătiu (Săcăliș), C.**; Ramondec, Y.; Darabantu, M.  
*Rev. Roum. Chim.*, **2009**, 54(2), 127-132
16. *Synthesis and spectroscopic investigation of metal complexes with an azo-dye as ligand*  
**Bătiu (Săcăliș), C.**; Panea, I.; Pelea, M.; Marcu, A.; David, L.  
*Stud. U. Babeș-Bol. Chem.*, **2007**, 52(4), 75-87
17. *Spectroscopic investigations of new Cu(II), Co(II), Ni(II) complexes with  $\gamma$ -L-glutamyl amide as ligand*  
**Bătiu (Săcăliș), C.**; Jelic, C.; Leopold, N.; Cozar, O.; David, L.  
*J. Mol. Struct.* **2005**, 744-747, 325-330

18. *Divalent transition metal complexes of 4-(4-ethoxy-phenylhydrazono)-1-phenyl-3-methyl-1H-pyrazolin-5(4H)-one*  
**Bătiu (Săcăliș), C.**; Panea, I.; Ghizdavu, L.; David, L.; Ghizdavu Pellascio, S.  
*J. Thermal Anal. Calorim.*, **2005**, 79, 129-134
19. *Cu(II), Mn(II), Co(II) and Fe(III) complexes with  $\gamma$ -L-glutamyl-5-(m-nitroanilide) as ligand. Spectroscopic, magnetic and thermal studies*  
**Bătiu (Săcăliș), C.**; Ghizdavu, L.; David, L.; Cozar, O.  
*Synth. React. Inorg. Met. Org. Chem.*, **2003**, 33(8), 1391-1403

#### Patent

*Procedeu de obtinere a L-glutamyl-5-(p-nitroanilidei)*  
Cristea, I.; **Suciu (Bătiu, Săcăliș), C.**  
*ROM. PAT. (RO 111676B) /30 XII 1996*

#### Conferences:

1. *Synthesis, spectroscopic and thermal characterization of  $\gamma$ -L-glutamyl-cyclohexylamide*  
Jahiji, S.; **Săcăliș, C.**; Shabani, A.; Jashari, A.  
*International Congress on Natural Health Sciences and Technology,*  
*5<sup>th</sup> International Conference of Natural Sciences and Mathematics*  
TETOVA, REPUBLIC OF NORTH MACEDONIA, 17-19 MAY, **2023**
2. *Synthesis and spectroscopic investigations of  $\beta$ -L-aspartyl-cyclohexylamide as potent ligand for transition metal complexes*  
Abdiji, I.; **Săcăliș, C.**; Shabani, A.; Jashari, A.  
*International Congress on Natural Health Sciences and Technology,*  
*5<sup>th</sup> International Conference of Natural Sciences and Mathematics*  
TETOVA, REPUBLIC OF NORTH MACEDONIA, 17-19 MAY, **2023**
3. *Transition metal complexes of N-modified glycines as ligand*  
**Săcăliș, C.**  
*3<sup>rd</sup> International Congress on Natural Health Sciences and Technology*  
TETOVA, REPUBLIC OF NORTH MACEDONIA, 15-17 MAY, **2019**
4. *Tandemes serinolique dans la synthese iterative de nouvelles melamines dendritiques*  
Moldovan, O.; Lameiras, P.; **Bătiu (Săcăliș), C.**; Ramondenc, Y.; Darabantu, M.  
*Journées Nord-Ouest Européennes des Jeunes Chercheurs (JNOEJC 2011)*  
CAEN, FRANCE, 14-15 JUIN, **2011**
5. *Synthese convergente et analyse structurale de nouveaux dendrimeres G-2 melaminiques a partir d'un tandem serinol C-2-substitue et du cetal de la 4-piperidone*  
Popa, F., Moldovan, O., Lameiras, P.; Tomoaia-Cotisel, M.; **Bătiu (Săcăliș), C.**; Ramondenc, Y.; Darabantu, M.  
*Le VI<sup>eme</sup> Colloque Franco-Roumain de Chimie Appliquée (COFrRoCA 2010)*  
ORLEANS, FRANCE, 7-10 JUILLET, **2010**
6. *Spectroscopic investigations of new Cu(II), Co(II), Ni(II) complexes with  $\gamma$ -L-glutamyl amide as ligand*  
**Bătiu (Săcăliș), C.**; Jelic, C.; Leopold, N.; Cozar, O.; David, L.  
*XXVII European Congress of Molecular Spectroscopy,*  
KRAKOW, POLAND, 5-10 SEPTEMBER, **2004**
7. *Identification and quantification of some bioactive compounds from extracts of different Vaccinium myrtillus l. leaves and fruits using TLC*  
Cobzac, S.; Olah, N. K.; **Bătiu (Săcăliș), C.**; Gocan, S.  
*International Symposium of Planar Separation, Planar Chromatography,* BUDAPESTA, HUNGARIA, 21-23 JUNE, **2003**, P06
8. *Regioselective syntheses of  $\alpha$ -glutamyl peptides*  
Cristea, I.; **Bătiu (Săcăliș), C.**  
*The X-th National Congress of Pharmacy,* CLUJ-NAPOCA, ROMANIA, **1994**, p. 77-79

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