



**Europass
Curriculum Vitae**

Personal information

First name(s) / Surname(s) **LIGIA MIRABELA ȚORAS**

Address(es) Floresti, Cluj, Romania

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Nationality Romanian

Date of birth October, 03, 1985

Gender Female

Work experience

Dates October 2021 – present

Occupation or position held Chemist

Main activities and responsibilities Preparation of didactic laboratories and supervision of students during laboratory work

Name and address of employer Babes-Bolyai University, Faculty of Chemistry and Chemical Engineering, Cluj-Napoca, Romania

Dates December 2017 – March 2019

Occupation or position held Research assistant

Main activities and responsibilities Research in Organic and Supramolecular Chemistry

Name and address of employer Babes-Bolyai University, Faculty of Chemistry and Chemical Engineering, Cluj-Napoca, Romania

Dates June 2016 – October 2017

Occupation or position held Research assistant

Main activities and responsibilities Research in Organic and Supramolecular Chemistry

Name and address of employer National Institute for Research and Development of Isotopic and Molecular Technologies, Cluj – Napoca Romania

Dates September 2015 - October 2016

Occupation or position held Research assistant

Main activities and responsibilities Research in Organic and Supramolecular Chemistry

Name and address of employer Babes-Bolyai University, Faculty of Chemistry and Chemical Engineering, Cluj-Napoca, Romania

Dates September 2014- August 2015

Occupation or position held	POSDRU/159/1.5/S/132400 (Sectoral Operational Programme for Human Resources Development 2007-2013, co-financed by the European Social Fund, with the title "Successful young researchers - professional development in context interdisciplinary and international") - Postdoctoral fellowship
Main activities and responsibilities	Research in Organic Chemistry (synthesis and structural analysis)
Name and address of employer	Babes-Bolyai University, Faculty of Chemistry and Chemical Engineering, Cluj-Napoca, Romania
Dates	October 2012- February 2013
Occupation or position held	Research assistant
Main activities and responsibilities	Teaching activities
Name and address of employer	Iuliu Hatieganu University of Medicine and Pharmacy, Faculty of Pharmacy, Cluj-Napoca, Romania
Type of business or sector	Laboratories/seminars
Dates	October 2013-March 2014
Occupation or position held	Research assistant
Main activities and responsibilities	Organic Synthesis and Structural Analysis of Organic Compounds
Name and address of employer	Babes-Bolyai University, Faculty of Chemistry and Chemical Engineering, Cluj-Napoca, Romania
Type of business or sector	Scientific research, synthesis and analysis
Dates	July 2010-December 2010
Occupation or position held	Research assistant
Main activities and responsibilities	Organic Synthesis and Structural Analysis of Organic Compounds
Name and address of employer	Babes-Bolyai University, Faculty of Chemistry and Chemical Engineering, Cluj-Napoca, Romania
Type of business or sector	Scientific research, synthesis and analysis
Dates	October 2009- August 2010
Occupation or position held	Secondary-school Teacher
Main activities and responsibilities	Chemistry and Physics
Name and address of employer	Secondary School Papiu Ilarian (Mures) and Secondary School Bichis (Mures), Romania
Education and training	
Dates	October 2010 – January 2014
Title of qualification awarded	PhD in Organic Chemistry
Principal subjects/occupational skills covered	Organic Chemistry-NMR Techniques, Heterocycle Chemistry and Stereochemistry
Name and type of organization providing education and training	Babes-Bolyai University, Faculty of Chemistry and Chemical Engineering, Cluj-Napoca, Romania
Dates	October 2008 - July 2010

Title of qualification awarded	Master degree in Advanced Organic Chemistry
Principal subjects/occupational skills covered	Reaction Mechanisms, Heterocyclic Chemistry, Stereochemistry, Electrochemistry, Reactivity Theory.
Name and type of organization providing education and training	Babes-Bolyai University, Faculty of Chemistry and Chemical Engineering, Cluj-Napoca, Romania
Dates	October 2005 - July 2008
Title of qualification awarded	Bachelor Degree
Principal subjects/occupational skills covered	Chemistry
Name and type of organization providing education and training	Babes-Bolyai University, Faculty of Chemistry and Chemical Engineering, Cluj-Napoca, Romania

Personal skills and competences

Mother tongue(s) **Romanian**
 Other language(s)

Self-assessment
European level ()*

Language – English

Language – French

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production		Written production	
B1	Independent speaker	B1	Independent speaker	B1	Independent speaker	B1	Independent speaker	B1	Independent speaker
C1	Independent speaker	B2	Independent speaker	B1	Independent speaker	B1	Independent speaker	B1	Independent speaker

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

Organizational skills and competences	Supervisor of bachelor and master level students Member of the research teams involved in various projects
Computer skills and competences	A good language acquisition and application programs: MestreC, Mestre Nova, TopSpin, ChemDraw, DataStream, Origin.
Other skills and competences	The ability to realize independent research work and to supervise the research work of the students. Good knowledge in operating NMR, MS, IR, UV-Vis and Fluorescence devices.
Driving license	Category B

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| Publications | <ol style="list-style-type: none"> 1. <i>Synthesis and stereochemistry of new spiro[5.5]undecane derivatives with 1,3-dioxane, 1,3-dithiane, or 1,3-oxathiane rings</i>
Mihis, A.; Golban, L. M.; Rat, C. I.; Bogdan, E.; Terec, A.; Grosu, I. <i>Struct. Chem.</i>, 2012, 23 (1), 61-69. 2. <i>Synthesis, Structure and Reactivity Investigations of Some New Mono and Bis(5,5-Dibromomethyl-1,3-Dioxan-2-yl) Derivatives</i>
Mihis, A.; Golban, L. M.; Bogdan, E.; Terec, A.; Grosu, I. <i>Studia Univ. Babeş-Bolyai, Chemia</i>, 2010, 55 (3), 157-163. 3. <i>Novel Nucleobase-Decorated Tripodands: Synthesis and Supramolecular Properties</i>
Golban, L. M.; Pascanu, V.; Hadade, N. D.; Pop, L.; Socaci, C.; Grosu, I. <i>Synthesis</i>, 2014, 46 (9), 1229-1235 4. <i>CuAAC Synthesis of Tetragonal Building Blocks Decorated with Nucleobases</i>
Pop, L.; Golban, M. L.; Hadade, N. D.; Socaci, C.; Grosu, I. <i>Synthesis</i>, 2015, 47(18), 2799-2804 |
| Conferences (Posters) | <ol style="list-style-type: none"> 1. 2013, Romanian International Conference on Chemistry and Chemical Engineering 18 (RICCCE18), Sinaia, oral communication 2. 2012, 13th Belgian Organic Synthesis Symposium (BOSSXII), Leuven-Belgia, poster 3. 2015, 21st International Symposium on Analytical and Environmental Problems, Szeged, Ungaria, poster |