

Europass Curriculum Vitae

Personal information

First names / Surname	Ioana Luiza, Gaina
Address(es)	11, Arany Janos str, 400028 Cluj-Napoca, Romania
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Nationality	Romanian
Gender	F

Work experience

2016-present	
Occupation	Associate Professor
Main activities and responsibilities	Teaching and Research Courses, seminars, projects, lab. works: Chemistry and technologies of pesticide and dyes, Food packaging; Ecological Organic and Organometallic Synthesis Strategies; Organic and organometallic precursors for materials. Research: Functional Dyes; Design of green synthetic protocols in organic chemistry; Structural characterizations RMN (^1H -RMN, ^{13}C -RMN, COSY, NOE, HMBC, HMQC), mass spectrometry, UV-Vis and Fluorescence spectroscopy.
Name and address of employer	"Babes-Bolyai" University, Cluj-Napoca, Romania – Faculty of Chemistry and Chemical Engineering, Department of Chemistry, str Arany Janos 11, Cluj-Napoca, RO-400028 Romania

Type of business or sector	Academic
2005-2016 Occupation	Lecturer
Main activities and responsibilities	Teaching and Research Courses, seminars, projects, lab. works: Chemistry and technologies of pesticide and dyes, Food packaging; Ecological Organic and Organometallic Synthesis Strategies; Organic and organometallic precursors for materials; Green Chemistry; Application of organometallic compounds in organic synthesis; Organometallic compounds in environment. Research: Design of green synthetic protocols in organic chemistry; Structural characterizations RMN (¹ H-RMN, ¹³ C-RMN, COSY, NOE, HMBC, HMQC), mass spectrometry, UV-Vis and Fluorescence spectroscopy.
Name and address of employer	"Babes-Bolyai" University, Cluj-Napoca, Romania – Faculty of Chemistry and Chemical Engineering, Department of Chemistry, str Arany Janos 11, Cluj-Napoca, RO-400028 Romania
Type of business or sector	Academic
2001-2005 Occupation	Teaching Assistant
Main activities and responsibilities	Teaching and Research Seminars, lab. works: organic chemistry, technologies of pesticide and dyes, organometallic chemistry Research: Organic chemistry; Structural characterizations RMN (¹ H-RMN, ¹³ C-RMN, COSY, NOE, HMBC, HMQC), mass spectrometry.
Name and address of employer	"Babes-Bolyai" University, Cluj-Napoca, Romania – Faculty of Chemistry and Chemical Engineering, Department of Organic Chemistry, str Arany Janos 11, Cluj-Napoca, RO-400028 Romania
Type of business or sector	Academic
1995-1996 Occupation	Research Assistant
Main activities and responsibilities	Synthesis of organic compounds
Name and address of employer	C.C.P. "BIOS" Cluj-Napoca, Str. Fantanele 30, RO-400294, Romania
Type of business or sector	Research

Education and training

1996-2001	
Title of qualification awarded	PhD in Chemistry
Principal subjects covered	Chemistry/ <i>New phenothiazine derivatives precursors in the synthesis of materials with non-conventional physical properties</i>
Name and type of organisation providing education and training	"Babeş-Bolyai", University Cluj-Napoca, Romania

1994-1995
 Title of qualification awarded **Master of Science**
 Principal subjects covered Heterocyclic Chemistry/ Stereochemistry, Advanced Organic Chemistry, Mechanisms in Organic Chemistry, Organometallic Compounds.
 Name and type of organisation providing education and training "Babeş-Bolyai", University Cluj-Napoca, Romania; Faculty of Chemistry and Chemical Engineering.

1988-1994
 Title of qualification awarded **Chemical Engineer**
 Principal subjects covered Technology of Organic Substances
 Name and type of organisation providing education and training "Babeş-Bolyai", University Cluj-Napoca, Romania; Faculty of Chemistry and Chemical Engineering.

Personal skills and competences

Mother tongue **Romanian**

Other language(s)

Self-assessment
 European level (*)

Engleza

Understanding		Speaking		Writing					
Listening		Reading		Spoken interaction		Spoken production			
C1		C1		B2		B2		C1	

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

Social skills and competences Communication, Leadership, Teamwork, Decision Making

Organisational skills and competences Organizational and management skills; Self management.

- Erasmus Coordinator since 2002
- Coordinator of the research grants:
 - CNCSIS 612 AT, 2001-2003
 - CNCSIS 47 AT, 2003-2005
 - CEEX-D11-80/2005, 2008-UBB-partener Project Coordinator
 - AR-FRBCF-2016-2017, Bilateral Project Romanian Academy and National Academy of Sciences of the Republic of Belarus
- Coordination of diploma and dissertations works for undergraduate and master students (more than 60)
- Ability to organize and equip research and teaching laboratory

Technical skills and competences Design and synthesis of organic and organometallic compounds under microwave or ultrasonic irradiation in inert atmosphere.
 Structural characterization (UV-VIS, FS, FTIR, NMR spectroscopies, (GC/LC)-MS, HPLC).
 Record and interpret UV-VIS, IR, fluorescent-spectra, MS and 1D-, 2D-NMR spectra.
 Proficient in the use of the following equipment: microwave, flash chromatography, solvent extractor, automatic polarimeter, pH meter, refractometers, Kugelrohr distillation apparatus, laboratory-vacuum- system.

Computer skills and competences Word processing programs, spreadsheet applications, presentation applications, scientific plotting programs, chemical structure drawing programs (Microsoft Office, Origin, ChemDraw, Spartan, MestReNova)

Scholarships and internships abroad

01/04/2000-30/06/2000 01/06/2003-01/07/2003	CEEPUS Poland, Kielce University, Department of Organic Chemistry, Prof. Dr. Danuta Rasala CEEPUS Slovakia, SS. Cyril and Methodius University, Trnava, Prof. Dr. A. Krutoshivcova
01/08/2003-31/10/2003 01/08/2004-05/11/2004	Research stage; Ungaria, Eotvos Lorand University, Faculty of Science, Department of Inorganic Chemistry, Prof. Dr. Pall Sohar
17/08/2007-02/09/2007	Research stage, Belgium, Gent University, Department of Inorganic and Physical Chemistry, prof. F. Verpoort
15/07/2010-17/08/2010 06/08/2012-20/08/2012	Research stage Germany, Leipzig, University, Department of Chemistry and Mineralogy, Institute of Inorganic Chemistry, Prof. Dr. Evamarie Hey-Hawkins
23/06/2011-06/08.2011 29/07/2013-02/08/2013 04.08.2014-15.08.2014	Erasmus staff training Germany, Leipzig University, Department of Chemistry and Mineralogy, Institute of Inorganic Chemistry, Prof. Dr. Evamarie Hey-Hawkins
24/11/2013-29/11/2013	Workshop Ss. Cyril and Methodius University of Skopje-Republic of Macedonia, Stability Pact for South Eastern Europe sponsored by Germany
19/09/2016-23/09/2016	Erasmus staff training Szent István University, Hungary, Faculty of Food Science, Department of Food Chemistry and Nutrition, Prof. Dr Livia Simon Sarkadi, DSc
08.08.2016-12.08.2016	Erasmus staff training Germania, University Leipzig, Department of Chemistry and Mineralogy, Institute of Inorganic Chemistry, Prof. Dr. Evamarie Hey-Hawkins
04/05/2017-14/05/2017	Erasmus staff training, Moldova State University, Faculty of Chemistry and Chemical Technology
13/05/2017-18/05/2017	Erasmus staff training, Kuala Lumpur University, Malaysian Institute of Chemical and Bio-Engineering Technology (UniKL MICET)
21/05/2017-27/05/2017	Erasmus staff training, Yuriy Fedkovych Chernivtsi National University, Institute of Chemistry
Teaching and seminars	Lecture "Microwave assisted organic chemistry", Babes-Bolyai University, Cluj-Romania, Stability Pact for South Eastern Europe sponsored by DAAD Germany
13/10/2009-16.10.2009	Lecture "Materials for food industry" Babes-Bolyai University, Cluj-Romania, Stability Pact for South Eastern Europe sponsored by DAAD Germany
14/10/2010-16.10.2010	Course "Organic synthesis following the Green chemistry principles" Ss. Cyril and Methodius University of Skopje-Macedonia, program Stability Pact for South Eastern Europe sponsored by DAAD Germany
16/03/2011-19.03/2011	Erasmus Staff teaching, Microwave in organic synthesis; Hungary, Eotvos Lorand University, Faculty of Science, Institute of Chemistry, Assoc. Prof. dr. Gabor Dibo
29/09/2013-05/10/2013	Erasmus Staff teaching Food Packaging; Hungary, Corvinus University, Faculty of Food Science, Prof. dr. Livia Simon Sarkadi
08.09.2014-12.09.2014	Erasmus Staff teaching, Microwave synthesis in dry media: advantages and limitations. Germany, University Leipzig, Department of Chemistry and Mineralogy, Institute of Inorganic Chemistry, Prof. Dr. Evamarie Hey-Hawkins.
03.08.2015-07.08.2015	Erasmus Staff teaching, Microwave assisted condensation reactions. Hungary, Eotvos Lorand University/Faculty of Science, Department of General Chemistry, Prof. Dr. Csampai Antal
23.09.2015-29.09.2015	Course Precursors for Optical Materials and Devices in cadrul: MatCatNet Workshop "From Molecules to Functionalised Materials" and Scientific module "Optical and Electronic Devices" Ohrid, Republic of Macedonia. Program Stability Pact for South Eastern Europe sponsored by DAAD Germany
01.09.2016-05.09.2016	Erasmus Staff teaching. Germania, University Leipzig, Department of Chemistry and Mineralogy, Institute of Inorganic Chemistry, Prof. Dr. Evamarie Hey-Hawkins.
04/05/2017-14/05/2017	