Curriculum vitae Europass

Personal information

Name	**Gaina Ioana Luiza**
Address	11, Arany Janos str, 400028 Cluj-Napoca, Romania
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E-mail	gluiza@chem.ubbcluj.ro
Nationality	Romanian

Professional experience

Time /Position	
2016-present	**1. Assoc. Prof.**
2005-2016	**2. Lecturer**
2001-2005	**3. Teaching Assistant**
1996-2001	**4. PhD student**
1995-1996	**5**. **Research assistant**

Activities, responsibilities	**1.** Research, teaching –Chemistry and technologies of pesticide and dyes; Food packaging; Organic and organometallic ecological synthesis strategies. **2-3**. Research, teaching –Chemistry and technologies of pesticide and dyes, application of organometallic compounds in organic synthesis, green chemistry. **4**. Research, teaching organic chemistry. **5**. Synthesis of organic compounds
Name and employer address	**1-4**. “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 **5**. C.C.D.B “BIOS” Cluj-Napoca, Str. Fantanele 30, RO-400294, Romania,

Education

Time /Degree	
1. 2024 Jun 25	**Habitation thesis**
2. 1996-2001	**PhD. in Chemistry**
3. 1994-1995	**M.Sc. in Chemistry**
4. 1989-1994	**B.Sc. in Chemical engineering**
Institution awarding the degree	**1-4.** "Babes-Bolyai" University, Cluj-Napoca, Romania

Competences

- Design and synthesis of organic and organometallic compounds under microwave or ultrasonic irradiation.
- Design of green methods for organic synthesis.
- Organic product characterization with 1D and 2D-NMR, FTIR, spectroscopy UV-VIS and Fluorescence spectrophotometry, (GC/LC)-MS, HPLC.
- Word processing programs, spreadsheet applications, presentation applications, scientific plotting programs (Origin, Spartan, MestReNova), chemical structure drawing programs.
- Coordination of over 100 diploma and dissertation theses.

Native language **Romanian**

Foreign languages

	Comprehension			**Spoken**				**written**	
	Listening		Reading		conversation		Oral speech		Written language	
English		C1		C1		B2		B2		C1

Leading/ organizer abilities

- Supervised ~100 diploma works for undergraduate students and MSc dissertations, and 20 PhD students.
- Research grants:

1. Creation of supramolecular complexes with cyclic polysaccharides as targeting moieties for transfer to cancer. Romanian Academy & National Academy of Sciences of the Republic of Belarus. GRANT: AR-FRBCF-2020-2021 (Project Lieder)
2. Molecular complexes of water-soluble poly heterocyclic compounds for PDT. Romanian Academy & National Academy of Sciences of the Republic of Belarus. GRANT: AR-FRBCF-2018-2019 (Project Lieder)
3. Design of new metallocomplexes of meso-phenothiazinylporphyrins Romanian Academy & National Academy of Sciences of the Republic of Belarus. GRANT: AR-FRBCF-2016-2017 (Project Lieder)
4. Microwave interaction with molecular and bio-molecular systems. GRANT: CEEX-D11-80/2005-2007 (UBB Partner-Project coordinator 2007)
5. New carbonyl phenothiazine, precursors for materials with unconventional physical properties. GRANT: CNCSIS 47 AT, 2004-2005 (Project Leader)
6. Polyheterocyclic systems with phenothiazine units. GRANT: CNCSIS 612 AT, 42AT 2001-2003 (Project Leader)
7. Synthèse et analyse de dérivés organiques à base de fluorénone pour des applications en biologie-SAFLUO ; (DRECO-7867) AUF-ECO 2023, (Project leader)

- Erasmus coordinator for the Faculty of Chemistry and Chemical Engineering since 2002

Research internships &Erasmus ST

01/04/2000-30/06/2000	Scholarships CEEPUS Polonia, University Kielce, Department of Organic Chemistry, Prof. Dr. Danuta Rasala
01/06/2003-01/07/2003	Bursa CEEPUS Slovacia, University SS. Cyril and Methodius Trnava, Prof. Dr. A. Krutoshicova
01/08/2003-31/10/2003 01/08/2004-05/11/2004	Research Internship Ungaria, Eotvos Lorand University/Faculty of Science/ Department of Inorganic Chemistry, Prof. Dr. Pall Sohar
17/08/2007-02/09/2007	Research Internship Belgia, Gent University, Department of Inorganic and Physical Chemistry, prof. F. Verpoort
15/07/2010-17/08/2010 06/08/2012-20/08/2012	Research Internship Germania, University Leipzig, 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 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
24/11/2013-29/11/2013	Research Internship Ss. Cyril and Methodius University of Skopje-Macedonia, Stability Pact for South Eastern Europe sponsored by Germany
19/09/2016-23/09/2016	Erasmus staff training Ungaria, Szent István University, Faculty of Food Science, Department of Food Chemistry and Nutrition, Prof. Dr Livia Simon Sarkadi, DSc
04/05/2017-14/05/2017	Erasmus staff training, Universitatea de stat Moldova, 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

Courses/Seminars	
13/10/2009-16.10.2009	Lecture "Microwave assisted organic chemistry", Babes-Bolyai University, Cluj-Romania, Stability Pact for South Eastern Europe sponsored by DAAD Germany
14/10/2010-16.10.2010	Lecture "Materials for food industry" Babes-Bolyai University, Cluj-Romania, Stability Pact for South Eastern Europe sponsored by DAAD Germany
16/03/2011-19.03/2011	Lecture "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
29/09/2013-05/10/2013	Erasmus teaching mobility, Microwave in organic synthesis; Ungaria, Eotvos Lorand University/Faculty of Science, Institute of Chemistry, Assoc. Prof. dr. Gabor Dibo
08.09.2014-12.09.2014	Erasmus teaching mobility, Food Packaging; Ungaria, Corvinus University, Faculty of Food Science, Prof. dr. Livia Simon Sarkadi
03.08.2015-07.08.2015	Erasmus teaching mobility, Microwave synthesis in dry media: advantages and limitations. Germania, University Leipzig, Department of Chemistry and Mineralogy, Institute of Inorganic Chemistry, Prof. Dr. Evamarie Hey-Hawkins.
23.09.2015-29.09.2015	Erasmus teaching mobility, Microwave assisted condensation reactions. Ungaria, Eotvos Lorand University/Faculty of Science, Department of General Chemistry, Prof. Dr. Csampai Antal
01.09.2016-05.09.2016	Lecture Precursors for Optical Materials and Devices in cadrul: MatCatNet Workshop "From Molecules to Functionalised Materials"and Scientific module "Optical and Electronic Devices" Ohrid, Macedonia. Program Stability Pact for South Eastern Europe sponsored by DAAD Germany
04/05/2017-14/05/2017	Erasmus teaching mobility. Germania, University Leipzig, Department of Chemistry and Mineralogy, Institute of Inorganic Chemistry, Prof. Dr. Evamarie Hey-Hawkins.
31/07/2019 - 06/08/2019	Erasmus teaching mobility. Germania, University Leipzig, Department of Chemistry and Mineralogy, Institute of Inorganic Chemistry, Prof. Dr. Evamarie Hey-Hawkins.

PUBLICATIONS: 81 ISI articles

Hirsch index, according to Web of Science Core Collection; **18**

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Assoc Prof. dr. Luiza Gaina

- Anexa 1 Lista Proiecte de Cercetare

Tipul proiectului	Perioada de desfășurare	Titlul proiectului	Director de proiect
CNCSIS tip At cod 612	2001-2002	Sisteme poliheterociclice cu unitati fenotiazinice.	Ioana Luiza Gaina
CNCSIS tip At cod 42	2003	Sisteme poliheterociclice cu unitati fenotiazinice.	Ioana Luiza Gaina
CNCSIS tip At cod 47	2004-2005	Noi compuşi carbonil-fenotiazinici, precursori in obtinerea de materiale cu proprietati fizice neconventionale.	Ioana Luiza Gaina
Proiect CEEX-D11-80/2005,	2005-2007	Interactiaunea microundelor cu sisteme moleculare si bio-moleculare	CP II dr. Emanoil Surducan Ioana Luiza Gaina 2007-Responsabil proiect UBB
Proiect Bilaterarl Academia Română Academia Naţională de Ştiinţe a Republicii Belarus AR-FRBCF-2016-2017	2016-2017	Design of new metallocomplexes of meso-phenothiazinylporphyrins	Ioana Luiza Gaina-UBB Aleksander Starukhin-Belarus
Proiect Bilaterarl Academia Română Academia Naţională de Ştiinţe a Republicii Belarus AR-FRBCF-2016-20	2018-2019	Molecular complexes of water soluble polyheterocuclic compounds for PDT	Ioana Luiza Gaina-UBB Aleksander Starukhin-Belarus
Proiect Bilaterarl Academia Română Academia Naţională de Ştiinţe a Republicii Belarus AR-FRBCF-2020-2021	2020-2021	Creation of supramolecular complexes with cyclic polysaccharides as targeting moieties for transfer to cancer	Ioana Luiza Gaina-UBB Aleksander Starukhin-Belarus
Proiect AUF ECO 2023 DRECO-7867	2023-2024	"Synthèse et analyse de dérivés organiques à base de fluorénone pour des applications en biologie"	Ioana Luiza Gaina UBB Roman Rusnac (Universitatea de Stat Moldova)

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