

PERSONAL INFORMATION

Emese Gál

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WORK EXPERIENCE

- 2021.10- **Associate professor**
Babes-Bolyai" University, Faculty of Chemistry and Chemical Engineering, Arany Janos Str. 11 Cluj-Napoca
Teaching and research activities with students
Education, research
2018. 10- 2021.10 **Lecturer**
Babes-Bolyai" University, Faculty of Chemistry and Chemical Engineering, Arany Janos Str. 11 Cluj-Napoca
Teaching and research activities with students
Education, research
- 2013.03- 2018 **Assistant lecturer**
Babes-Bolyai" University, Faculty of Chemistry and Chemical Engineering, Arany Janos Str. 11 Cluj-Napoca
Teaching and research activities with students
Education, research
- 2011-2013 **Postdoctoral researcher**
Babes-Bolyai" University, Faculty of Chemistry and Chemical Engineering, Arany Janos Str. 11 Cluj-Napoca
Research activities
Education, research
- 2010-2011 **Research assistant**
Babes-Bolyai" University, Faculty of Chemistry and Chemical Engineering, Arany Janos Str. 11 Cluj-Napoca
Research activities within research project
Research activities-organic synthesis and structural analysis HPLC, GC-MS, NMR
- 2004-2010 **PhD student**
Babes-Bolyai" University, Faculty of Chemistry and Chemical Engineering, Arany Janos Str. 11 Cluj-Napoca
Teaching activities, research activities with students
- 2007-2008 **Chemist analyst**
"Gedeon Richter" Romania LTD
Analytical method development, method validation, apparatus maintenance

EDUCATION AND TRAINING

- 2020.11-2021.11 **Project manager- GTC-35278**
Investigation on structure-photophysical property relationships of novel donor-acceptor-donor heterocyclic systems
- 2017.09-2019.08 **Project manager- ERANET- LAC-EFCP (2) 20/09.2017**
Production of high value biobased products from sugar cane bioethanol industry solid and liquid wastes by low energy electrochemical treatment of effluents and pyrolysis of lignocellulosic materials using thermomagnetic catalyts
Grant for Young Researchers-GTC 34035- grant manager
"Babes-Bolyai" University, Faculty of Chemistry and Chemical Engineering
« Sinteza nitronelor, studiul activitatii antioxidante si captatori pentru radicali liberi ca posibile ingrediente in cremele de protectie solara »,
- 2013.10- 2014.10

2011.07-2013.03 **Postdoc scholarship**
 POSDRU/89/1.5/s/60189, „*Postdoctoral Programs for Sustainable Development in a Knowledge Based Society*”
 Title of the research project: Synthesis of new heterocyclic derivatives and their combinations with metals
 Mentor : Prof. Dr. Luminita Silaghi-Dumitrescu,
 Name of the BBU Research group/ Centre/ Institute/ Laboratory: Faculty of Chemistry and Chemical Engineering,

2004-2010 **PhD- Organic chemistry**
 Thesis Title: 'Synthesis and characterization of new aromatic heterocyclic aromatic compounds, precursors for materials with non-linear optical properties'
 "Babes-Bolyai" University, Faculty of Chemistry and Chemical Engineering
 Reaction mechanism, Spectroscopic, spectrometric methods

2003-2004 **Msc- Advanced organic chemistry**
 Thesis Title: "Synthesis and characterization of new Schiff bases derived from phenothiazine, and their complexes"
 "Babes-Bolyai" University, Faculty of Chemistry and Chemical Engineering
Organic retrosintezis, Spectroscopic, Heterocyclic chemistry

1999-2003 **Bsc- Physical Chemistry**
 Thesis Title: "Synthesis and characterization of new Schiff bases derived from phenothiazine"
 "Babes-Bolyai" University, Faculty of Chemistry and Chemical Engineering
Analytical Chemistry, Organic chemistry, Thermodynamics, Mathematics, Electronics, Mechanic, Physics of solids, Spectroscopic, spectrometric methods

PERSONAL SKILLS

Mother tongue(s) Hungarian

Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	B2	B1	B1	B2
French	A2	A2	A2	A2	A2
Romanian	C2	C2	C2	C2	C2

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user
 Common European Framework of Reference for Languages

Communication skills Good communication skills gained through my experience as analyst in Gedeon Richter LTD, as PhD student and postdoctoral student.
 Excellent contact skills with students gained through my experience as supervisor in diploma/ license laboratory work.

Organisational / managerial skills During postdoctoral studies I have obtained a qualification as a project manager.

Job-related skills HPLC-MS, GC-MS, NMR, FT-IR, HRMS, elemental analysis, UV-Vis, fluorescence, cyclic voltametry, Organic synthesis in microwave field, Schlenk technique.

Computer skills IT software: Microsoft Office (word, excel, power point etc.), Chem. Office, ChemDraw, MestreNova, ACD-Labs, Spartan, Gaussian, Xcalibur, Internet, Linux, Reaxys, SciFinder, etc.

Driving licence B from 2001. October

ADDITIONAL INFORMATION

Researcher ID: D-9541-2012
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