




## 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- 2021.09 **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 catalysts

- 2013.10- 2014.10 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 »,  
 "Babes-Bolyai" University, Faculty of Chemistry and Chemical Engineering  
 Faculty of Chemistry and Chemical Engineering, Department of Organic Chemistry  
 Postdoc scholarship  
 POSDRU/89/1.5/s/60189, „Postdoctoral Programs for Sustainable Development in a Knowledge Based Society”
- 2011.07-2013.03 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, Department of Organic Chemistry  
 PhD- Organic chemistry
- 2004-2010 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  
 Msc- Advanced organic chemistry
- 2003-2004 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  
 Bsc- Physical Chemistry
- 1999-2003 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, Optics

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**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 an analyst in Gedeon Richter LTD, as PhD student and as postdoctoral student.  
 Excellent contact skills with students gained through my experience as a 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 voltammetry, 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
<p>Researcher ID: D-9541-2012  <a href="https://orcid.org/0000-0003-4324-0787">https://orcid.org/0000-0003-4324-0787</a></p>

## ANNEXES

### Research visits:

25. 06. 2006. - 25. 07. 2006. Research project: Romanian–Hungarian Intergovernmental S&T Cooperation program 2006-2007, University ELTE Budapest

19. 09. 2006. – 19. 02. 2007. Socrates/Erasmus scholarship, University of Debrecen, Hungary

26. 09. 2007-27. 09. 2007. 12<sup>th</sup> Summer courses on Pharmaceutical analysis, Island of Elba

01. 02. 2010- 31. 03. 2010. Research project: Romanian–Hungarian Intergovernmental S&T Cooperation program 33. /06.06.2008, University ELTE Budapest

01. 07. 2010- 30. 09. 2010 Socrates/Erasmus placement scholarship, University ELTE Budapest

01. 09. 2012-30. 09. 2012 Postdru Postdoc research stage, University of Debrecen, Hungary

01. 02. 2013-28. 02. 2013 Postdru Postdoc research stage, University of Debrecen, Hungary

22. 09. 2013- 27. 09. 2013 Socrates/Erasmus teaching staff placement University ELTE Budapest

08. 09. 2014-14. 09. 2014 Socrates/Erasmus teaching staff placement University ELTE Budapest

07.09.2015-11.09.2015 Socrates/Erasmus teaching staff placement Corvinus University Budapest

23.09.2015-29.09.2015 Socrates/Erasmus teaching staff placement University ELTE Budapest

05.09.2016-09.09.2016 Socrates/Erasmus teaching staff placement Szent Istvan University, Food Science, Budapest

07.15.2017-24.07.2017 Erasmus Plus teaching staff placement University Kuala Lumpur Malaysian Institute of Chemical And Bioengineering Technology

18.09.2017-22.09.2017 Erasmus Plus teaching staff placement University of Debrecen, Hungary

02.05.2019-08.05.2019 Erasmus Plus teaching staff placement Szent Istvan University, Food Science, Budapest

-01.09.2019-30.11.2019 invited professor at the UTP University of Science and Technology Bydgoszcz, Faculty of Chemical Technology and Engineering, Department of Analytical Chemistry

02.05.2022-06.05.2022 Erasmus teaching staff placement MATE University, Food Science, Budapest

10.04.2023- 14.04.2023 Erasmus Teaching staff, Debrecen University, Debrecen, Hungary

16.07.2023-22.07.2023, Erasmus teaching staff placement MATE University, Food Science, Budapest

02.09.2023-10.02.2023, Erasmus teaching staff placement, University of Pisa, Department of Chemistry and Industrial Chemistry

25.09.2023-29.09.2023, Erasmus teaching staff placement, University of Miskolc, Kémiai Intézeti Tanszék, Miskolc, Hungary