



PERSONAL INFORMATION

KAPRONCZAI Erzsébet-Eleonóra



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 UEFISCDI ID (UEF-ID) [U-1700-037P-9245](#)

WORK EXPERIENCE

- 03.10.2022 – present **Assistant professor Dr. - Faculty of Chemistry and Chemical Engineering**
 Babeş-Bolyai University, 1 Mihail Kogălniceanu Str., Cluj-Napoca, 400084, Romania
<http://www.chem.ubbcluj.ro/~chimie/didactic.html>
- 25.10.2021 – 30.09.2022 **Chemist – Faculty of Chemistry and Chemical Engineering**
 Babeş-Bolyai University, 1 Mihail Kogălniceanu Str., Cluj-Napoca, 400084, Romania
- 04.10.2021 – 01.07.2022 **Associate teacher – Faculty of Chemistry and Chemical Engineering**
 Babeş-Bolyai University, 1 Mihail Kogălniceanu Str., Cluj-Napoca, 400084, Romania
 Teaching laboratories: *Technology of basic inorganic products, Technology of inorganic pigments, Inorganic chemistry*
- 15.03.2021 - present **Scientific Research Assistant within the project PN-III-PCE-2020-1028**
 Babeş-Bolyai University, 1 Mihail Kogălniceanu Str., Cluj-Napoca, 400084, Romania
<http://www.chem.ubbcluj.ro/~ccsoom/organometallic/pce1028.html>
 The title of the project: *Tailoring Organochalcogen (Se, Te) Based Compounds with Potential as Antitumor Agents*
- 01.11.2020 - 31.10.2022 **Scientific Research Assistant within the project PN-III-P1-1.1-TE-2019-1342**
 Babeş-Bolyai University, 1 Mihail Kogălniceanu Str., Cluj-Napoca, 400084, Romania
<http://www.chem.ubbcluj.ro/~ccsoom/organometallic/te1342.html>
 The title of the project: *Development of efficient luminescent compounds based on imidazolone and chalcogen-related scaffolds with potential biological activity*
- 28.09.2020 - 31.07.2021 **Civil service contract – Faculty of Chemistry and Chemical Engineering**
 Babeş-Bolyai University, 1 Mihail Kogălniceanu Str., Cluj-Napoca, 400084, Romania
- 28.09.2020 – 21.02.2021 **Associate teacher – Faculty of Chemistry and Chemical Engineering**
 Babeş-Bolyai University, 1 Mihail Kogălniceanu Str., Cluj-Napoca, 400084, Romania
 Teaching laboratories: *Technology of basic inorganic products, Technology of inorganic pigments, General chemistry*
- 30.09.2019 – 10.03.2020 **Associate teacher – Faculty of Chemistry and Chemical Engineering**
 Babeş-Bolyai University, 1 Mihail Kogălniceanu Str., Cluj-Napoca, 400084, Romania
 Teaching laboratories: *Technology of basic inorganic products, Inorganic chemistry*
- 01.09.2018 - 30.06.2022 **Scientific Research Assistant within the project PN-III-P4-ID-PCCF-2016-0088 (P2)**
 Babeş-Bolyai University, 1 Mihail Kogălniceanu Str., Cluj-Napoca, 400084, Romania
<http://www.chem.ubbcluj.ro/~ccsoom/organometallic/pccf088.html>
 The title of the project: *Functionalized hierarchical structures on graphene exhibiting magnetic, adsorption and catalytic properties*

- 01.01.2017 - 30.09.2017 **Scientific Research Assistant within the project PN-II-PT-PCCA-2013-4-1226**
 Babeş-Bolyai University, 1 Mihail Kogălniceanu Str., Cluj-Napoca, 400084, Romania
<http://www.chem.ubbcluj.ro/~ccsoom/organometallic/pcca1226.html>
 The title of the project: *The improvement of the manufacturing technology of lead-acid batteries to be used for start-and-stop automobiles*
- 01.03.2015 - 31.12.2016 **Technician within the project PN-II-ID-PCE-3-0659/2011**
 Babeş-Bolyai University, 1 Mihail Kogălniceanu Str., Cluj-Napoca, 400084, Romania
<http://www.chem.ubbcluj.ro/~ccsoom/organometallic/id659.html>
 The title of the project: *New metal complexes with metal-chalcogen bonds - potential precursors for electronic materials*

EDUCATION AND TRAINING

- 01.10.2016 – 09.12.2021 **PhD in Chemistry**
 Babeş-Bolyai University, Faculty of Chemistry and Chemical Engineering, Cluj-Napoca, Romania
 Domain: Chemistry
 PhD Thesis Title: *Solution behaviour and solid state structure of new main group (Sn, Pb, Te) compounds with organophosphorus ligands*
- 25.02.2019 – 27.05.2019 **Erasmus+ Traineeship**
 University of Debrecen, Faculty Science and Technology, Debrecen, Hungary
 Traineeship title: *Structural characterization of new organometallic and organochalcogen compounds by NMR spectroscopy*
- 29.09.2014 – 03.07.2016 **Master in Chemical Engineering**
 Babeş-Bolyai University, Faculty of Chemistry and Chemical Engineering, Cluj-Napoca, Romania
 Domain: Chemical Engineering
 Specialization: Materials Engineering and Environmental Protection
 Master Thesis Title: *Organotellurium(IV) compounds – potential precursors for production of Sb₂Te₃*
- 27.09.2010 – 06.07.2014 **Bachelor in Chemical Engineering**
 Babeş-Bolyai University, Faculty of Chemistry and Chemical Engineering, Cluj-Napoca, Romania
 Domain: Chemical Engineering
 Specialization: Engineering of Inorganic Substances and Environmental Protection
 BSc Thesis Title: *Technology for Ph₃TeCl production*
- 15.09.2006 – 15.06.2010 **Baccalaureate diploma**
 “Simion Bărnuțiu” National College, Șimleul Silvaniei, Romania
 Domain: Real
 Specialization: Mathematics – informatics

PERSONAL SKILLS

Mother tongue(s) Hungarian, Romanian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	B2	B2	B2
German	A1	A1	A1	A1	A1
French	A1	A1	A1	A1	A1

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 acquired during the guidance of students in research laboratory (2014 – present) and during my experience of teaching laboratories and seminars for students in the field of inorganic chemistry (2019 – present).
Organisational / managerial skills	Organizing spirit acquired by supervising students in research laboratory and as a student representative of my master specialization. Good team working and managerial skills gained as a member of Supramolecular Organic and Organometallic Chemistry Centre (2012 – present).
Technical skills and competences	<p>Experience in operating Bruker 300, 400 and 600 MHz NMR spectrometers.</p> <p>Experience in operating LTQ Orbitrap-XL mass spectrometer.</p> <p>Good skills in synthesis of organochalcogen (S, Se, Te) compounds, under inert atmosphere, using specific techniques.</p> <p>Spectral analysis – structural investigations of precursors and new compounds using multinuclear NMR and mass spectrometry.</p>
Computer skills	<p>Good command of Microsoft Office™ tools: Word, PowerPoint, Excel, Teams.</p> <p>Using of graphics processing programs and specialized software: ChemBioDraw, MestreNova, TopSpin, Diamond, Xcalibur, Matlab, etc.</p> <p>General knowledge of computer graphics applications: SolidEdge, ChemCad, Origin.</p> <p>Using databases: Reaxys, SciFinder, Cambridge Structural Database.</p>
Driving licence	B

ADDITIONAL INFORMATION

Publications	<p>https://orcid.org/0000-0002-4912-0586</p> <p>https://www.webofscience.com/wos/author/record/M-3422-2016</p> <p>https://0b109ax7i-y-https-www-scopus-com.z.e-information.ro/authid/detail.uri?authorId=57189993109</p> <p>https://scholar.google.com/citations?hl=en&tzom=-120&user=M9bo1rgAAAAJ</p>
Scholarships	World Federation of Scientists Scholarship (01.04.2015 – 31.03.2016). Title of the project: <i>New diorganochalcogen compounds. Coordination ability and biological activity.</i>
Awards	III rd prize for the Poster presentation at the International Conference Students for Students, 12 th edition, 22 – 26 April, 2015, Cluj-Napoca.
Conferences	14 participations in national and international conferences with oral and poster presentations.
Memberships	Member of Romanian Chemical Society since 2012.