

CURRICULUM VITAE

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Studies

2025 – in progress	Babeş-Bolyai University, Faculty of Chemistry and Chemical Engineering, Cluj-Napoca, Romania PhD in Organic Chemistry
2023 – 2025	Babeş-Bolyai University, Faculty of Chemistry and Chemical Engineering, Cluj-Napoca, Romania (MSc.) Master in Didactics – Chemistry
2023 – 2025	Babeş-Bolyai University, Faculty of Chemistry and Chemical Engineering, Cluj-Napoca, Romania (MSc.) Advanced Techniques in Chemical Synthesis
2020 – 2023	Babeş-Bolyai University, Faculty of Chemistry and Chemical Engineering, Cluj-Napoca, Romania (BSc.) Chemistry
2016 – 2020	“Mihai Eminescu” High School, Oradea Natural Sciences

Publications

Vass D., *Szimmetrikusan szubsztituált kurkumin analógok és ezek BF₂-komplexeinek afotofizikai tulajdonságai, Műszaki Szemle (Technical Review), Fiatal Műszakiak Különszáma 2 (Special Issue for Young Technologists 2), 2022, 38-41.*

Conferences

- Investigation of the photophysical properties of novel symmetrical curcumin analogs (oral presentation). Vass D., Gál E., 21st International Conference “Students for Students”, Cluj-Napoca, 04/9-13/2025.
- New synthetic method for preparation of symmetrical curcuminoids via hydrolysing their BF₂-complexes (oral presentation). Vass D., Gál E., EMT 30th International Chemistry Conference, Cluj-Napoca, 10/23-26/2024.
- Exploration of photophysical and antibacterial proprieties of Symmetrical Curcumin BF₂-complexes via experimental and theoretical methods (oral presentation). Vass D., Gál E., 27th Transylvanian Students’s Scientific Conference, Cluj-Napoca, 05/18/2024, (Chemistry I: Organic and Biochemistry Section, 1st place).

4. Exploration of photophysical properties of Symmetrical Curcumin BF₂-complexes via experimental and theoretical methods, using DFT (oral presentation). Vass D., Gál E., Nagy L-Cs.; EME 22. Transylvanian Conference of Nature Sciences, Cluj-Napoca, 11/18/2023.
5. Exploration of photophysical properties of Symmetrical Curcumin BF₂-complexes via experimental and theoretical methods, using DFT (poster presentation). Vass D., Gál E., Nagy L-Cs.; EMT 29. International Chemistry Conference, Târgu Mureș, 10/25-28/2023. (Student Poster Section, EMT Special Award)

Languages

- **Mother tongue:** Hungarian
- **Foreign languages:** Romanian (Native), English (Advanced)

English (Alpha, Baccalaureate)				
Understanding		Text formation		Speaking
Written	Spoken	Written	Spoken	
B2	B2	B2	B2	B2

Informatics

- **ECDL Certificate** (MS Word, MS PowerPoint, MS Excel, MS Access, Online and Computer Studies)
- **User level:** ChemOffice, Gaussian 09, Gaussian 16, GaussView, HyperChem, Avogadro

Scholarships

- The Hungarian University Federation from Cluj-Napoca Scholarship, **2025**.
- The Hungarian University Federation from Cluj-Napoca Scholarship, **2024**.
- The Hungarian University Federation from Cluj-Napoca Scholarship, **2022**.