PERSONAL INFORMATION

Melinda-Éva Gal

09 Principală, Ratin, 457088, Sălaj (Romania)

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Sex Female | Date of birth 11/12/1994 | Nationality Hungarian

EDUCATION AND TRAINING

2001-2013 Highschool Diploma
Liceul Technologic "CSEREY-GOGA", Sălaj, (Romania)

3013-2017 Bachelor's Degree in Chemical Engineering
University of Babes-Bolyai, Faculty of Chemistry and Chemical Engineering, Cluj-Napoca (Romania)
Specialization: Chemistry and Engineering of Organic Substances

2017-2019 Master's Degree
University of Babes-Bolyai, Faculty of Chemistry and Chemical Engineering, Cluj-Napoca (Romania)
Specialization: Chemistry and Engineering of Nano- and Biomaterials

2019-2024 Phd student in Chemistry
University of Babes-Bolyai, Faculty of Chemistry and Chemical Engineering, Cluj-Napoca (Romania)

PERSONAL SKILLS

MOTHER TONGUE(S): Hungarian, Romanian

OTHER LANGUAGE(S)

	UNDERSTANDING		SPEAKING		WRITING
	LISTENING	READING	SPOKEN INTERACTION	SPOKEN PRODUCTION	
English	B2	C1	B1	B1	B2

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user
Common European Framework of Reference for Languages

ORGANISATIONAL / MANAGERIAL SKILLS
- good coordinating skills (have been in charge of coordinating our team in the laboratory)

JOB-RELATED SKILLS
- good command of laboratory equipment

DIGITAL SKILLS

SELF-ASSESSMENT				
INFORMATION PROCESSING	COMMUNICATION	CONTENT CREATION	SAFETY	PROBLEM SOLVING
INDEPENDENT USER	INDEPENDENT USER	BASIC USER	INDEPENDENT USER	INDEPENDENT USER

Levels: Basic user - Independent user - Proficient user
Digital competences - Self-assessment grid

- Matlab basic user
- ChemCad, Aspen user
- Solid Edge user

- MS Office user
- OriginPro user
- Pymol user

DRIVING LICENCE AM, B1, B

Conference

- **Gal M.**, Lovész T., 25th International Conference on Chemistry, 2019 (Cluj-Napoca): Preparation of ZnO and MgO Nanoparticles Modified by 10-Ethyl-3-carboxy-phenothiazine and Investigation of their Optical Properties
- **Gal M.**, Both J., Lovasz T., 26th International Conference on Chemistry, October, 2020 (Online): Preparation of 10-Ethyl-3-carboxy-phenothiazine Salts and Investigation of their Optical Properties
- **Gal M.**, Lovász T., Cristea C., Silaghi-Dumitrescu L., Găină L., 27th International Conference on Chemistry, October, 2021 (Online): Preparetion new fluorescent phenotiazine nanomaterials which is used in forensics
- **Gal M.**, Cristea C., Lovász T., Silaghi-Dumitrescu L., Căciun A-M., Găină L., 22nd Tetrahedron Symposium, 2022 (Lisabona): Fluorescent electrospun nanofiber for latent fingerprint detection

Publication

1. **Gal M**, Cristea C, Lovasz T, Craciun AM, Turza A, Porumb D, et al. New fluorescent phenothiazine carboxylates for fluorescent nanomaterials. J Mol Struct **2021**;1246:131174. https://doi.org/10.1016/j.molstruc.2021.131174.

2. **Gal M**, Turza A, Stoean B, Gaina L, Cristea C, Gal E, et al. Alternative Procedures for the Green Synthesis of 3,7-Bis(N,N-(2-Hydroxyethyl)Amino)Phenothiazinium Dye. Stud Univ Babes-Bolyai Chem **2022**;67:303–14. https://doi.org/10.24193/subbchem.2022.4.20.

3. **Gal M**, Cristea C, Craciun AM, Turza A, Barbu-Tudoran L, Balazs B, et al. New fluorescent electrospun polymer materials containing phenothiazinyl carboxylate metal salts for versatile latent fingerprint detection. Dye Pigment **2023**;211:111085. https://doi.org/10.1016/j.dyepig.2023.111085.

4. Gal M, Gaina L, Lovasz T, Gal E, Craciun AM, Focsan M, et al. Sonochemical synthesis, optical properties and DFT studies on novel (N-arylamino)phenothiazinium dyes suitable for fluorescence cells imaging. Spectrochim Acta - Part A Mol Biomol Spectrosc **2024**;322. https://doi.org/10.1016/j.saa.2024.124768.