

## PERSONAL INFORMATION

**LÁSZLÓ Melinda-Emese**

Maiden name: Füstös

E-mail: [melinda.laszlo@ubbcluj.ro](mailto:melinda.laszlo@ubbcluj.ro)ResearcherID: [J-9168-2015](https://orcid.org/0009-0001-9168-2015)

## WORK EXPERIENCE

- february 2024 – present **Postdoc Researcher**  
Babeş-Bolyai University, Faculty of Chemistry and Chemical Engineering
- Advanced (multi)-enzymatic synthesis and purification processes for bio-based furan derivatives – ASPIRE, CF 25/14.11.2022
- july 2023 – present **Assistant Professor**  
Babeş-Bolyai University, Faculty of Chemistry and Chemical Engineering
- november 2018 – july 2023 Maternity leave
- february 2018 – november 2018 **Assistant Professor**  
Babeş-Bolyai University, Faculty of Chemistry and Chemical Engineering
- february 2009 – november 2018 **Research Assistant**  
Babeş-Bolyai University, Faculty of Chemistry and Chemical Engineering
- PNCDI II, contract nr.ID\_PCCE\_129/2008, NANOBIOFUN
  - PNCDI II, contract nr. 72152/2008, BIOPLAST
  - PNCDI II, contract nr. 92080/2008, NANOGEN
  - PN-II-ID-PCE-2011-3-0346, Dendrimer-carbon nanostructure conjugates as drug delivery support
  - POC-A1-A1.1.4-E-2015, P\_37\_273, nr. contract 25/1.09.2016, NEMSyB

## Education

- 2010 - 2014 **PhD in Chemistry**  
Babeş-Bolyai University, Faculty of Chemistry and Chemical Engineering  
PhD Thesis: *Biofunctionalization of carbon nanostructures*
- 2008 - 2010 **Master's Degree – Modern Techniques in Chemical Synthesis**  
Babeş-Bolyai University, Faculty of Chemistry and Chemical Engineering
- 2004 - 2008 **Bachelor's Degree – in Chemistry**  
Babeş-Bolyai University, Faculty of Chemistry and Chemical Engineering
- 2000 - 2004 **High School Degree**  
Báthory István High School, Cluj-Napoca

## Curriculum Vitae

### PERSONAL SKILLS

Mother tongue Hungarian

#### Other language(s)

|          | UNDERSTANDING |         | SPEAKING           |                   | WRITING |
|----------|---------------|---------|--------------------|-------------------|---------|
|          | Listening     | Reading | Spoken interaction | Spoken production |         |
| Romanian | C1            | C1      | C1                 | C1                | C1      |
| English  | C1            | C1      | B2                 | B2                | B2      |

#### Communication skills

Teamwork

#### Job-related skills

Carbon nanostructure derivatization and characterization

Enzyme immobilization and activity testing

UV-Vis spectrophotometry

High Performance Liquid Chromatography and Gas Chromatography analysis

Electrospinning

Elemental analysis

#### Digital competence

Microsoft Office™ (Word, Excel, Power Point), ChemDraw, MestReNova,

#### Driving licence

B

#### Specialization

02/2012-08/2012 Research fellowship

*Institute for Solid State Physics and Optics-Wigner Research Centre for Physics of the Hungarian Academy of Sciences, Budapest, Hungary*

#### Main activities:

- carbon nanotubes functionalization *via* supercritical CO<sub>2</sub>
- Raman analysis of carbon nanostructures