

Curriculum Vitae

Personal information

First name / Surnames **LÁSZLÓ MELINDA-EMESE**
Maiden name **Füstös**
E-mail melinda.laszlo@ubbcluj.ro, melinda.fustos@yahoo.com
Nationality Romanian, Hungarian

Education

Period **2010-2014**
Degree / Diploma PhD in *Chemistry*
Institution Babeş-Bolyai University, Faculty of Chemistry and Chemical Engineering, Arany János street 11, Cluj-Napoca, Romania
PhD Thesis: *Biofunctionalization of carbon nanostructures*

Period **2008-2010**
Degree / Diploma Master's Degree in *Modern Techniques in Chemical Synthesis*
Institution Babeş-Bolyai University, Faculty of Chemistry and Chemical Engineering, Arany János street 11, Cluj-Napoca, Romania

Period **2004-2008**
Degree / Diploma Bachelor's Degree in *Chemistry*
Institution Babeş-Bolyai University, Faculty of Chemistry and Chemical Engineering, Arany János street 11, Cluj-Napoca, Romania

Professional experience

Period **2018-ongoing**
Position held *Assistant Professor*
Name and address of employer Babeş-Bolyai University, Faculty of Chemistry and Chemical Engineering, Department of Chemistry and Chemical Engineering, Hungarian Line of Study, Arany János street 11, Cluj-Napoca, Romania

Type of business or sector Education
Activities Teaching and research

Period	2009-2020
Position held	<i>Research Assistant</i>
Name and address of employer	Babeş-Bolyai University, Faculty of Chemistry and Chemical Engineering, Arany János street 11, Cluj-Napoca, Romania
Type of business or sector	Research
Activities	<p>Synthesis and functionalization of carbon nanostructures (carbon nanotubes, fullerenes, dendrimers); immobilization of enzymes and activity testing; obtaining polymer nanowire matrices <i>via</i> electrospinning technique.</p> <p>Member of research projects:</p> <ul style="list-style-type: none"> • 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
Technical skills and competences	<p>- Organic chemical synthesis</p> <p>- Microwave assisted chemical synthesis</p> <p>- TEM-, NMR-, Raman-, elemental- , UV-Vis and HPLC analysis</p> <p>- Electrospinning method</p>
Specialization	<p>- 02/2012-08/2012 Research fellowship at <i>Institute for Solid State Physics and Optics-Wigner Research Centre for Physics of the Hungarian Academy of Sciences, Budapest, Hungary</i></p> <p>Activities:</p> <ul style="list-style-type: none"> - carbon nanotubes functionalization <i>via</i> supercritical CO₂ - Raman analysis of carbon nanostructures
Research interests	Organic chemistry, microwave-assisted synthesis, functionalization of carbon nanostructures (nanotubes, fullerenes), synthesis and characterization of dendrimers, immobilization of enzymes (on carbon nanotubes, on nanofibers obtained by electrospinning)