

PERSONAL INFORMATION

Müller (căș. Molnár) Csilla

 Sub Cetate, 134, bloc M5, ap. 11, 407280 Florești (Romania)

 0742 041189

 csilla.molnar@itim-cj.ro

Sex Female | Date of birth 20/01/1985 | Nationality Romanian

WORK EXPERIENCE

07/01/2019–Present

Scientific Researcher

National Institute for Research and Development of Isotopic and Molecular Technologies (INCDTIM), Cluj Napoca (Romania)

2018–2019

Associate Teacher

Babes-Bolyai University, Cluj-Napoca (Romania)

12/10/2013–06/01/2019

Software Consultant

Powersoft Business Solutions Srl, Cluj Napoca (Romania)

2014–2015

PostDoc Researcher

Babes-Bolyai University (POSDRU/159/1.5/S/132400), Cluj Napoca (Romania)

2014–2015

Associate Assistant

Babes-Bolyai University, Cluj Napoca (Romania)

2012

Scientific Researcher Assistant

Friedrich-Schiller University, Jena (Germany)

Previously: high school teacher and accounting consultant

EDUCATION AND TRAINING

2014–2015

Postdoc

Babes-Bolyai University, Cluj Napoca (Romania)

Developed new and ultrasensitive methods for detecting and monitoring biotoxins. Department of Biomolecular Physics (Raman-SPM Laboratory), <http://www.phys.ubbcluj.ro/raman/>

2010–2013

PhD in Physics

Babeș-Bolyai University / Faculty of Physics, Cluj Napoca (Romania)

PhD Thesis: Characterization, Detection and Monitoring of Harmful Substances in Food Using Raman Spectroscopic Techniques

Tutors: Assoc. Prof. Dr. Simona Cîntă Pânzaru, Prof. Dr. Vasile Chiş, Assoc. Prof. Dr. Nicolae Leopold

- 2012 **Project Management**
Cluj Napoca (Romania)

- 2008–2010 **MSc in Biophysics and Medical physics**
Babes-Bolyai University / Faculty of Physics, Cluj Napoca (Romania)

- 2009 **ECDL Diploma / examiner (European Computer Driving License)**
Eurocenter Learning Center, Sfantu Gheorge (Romania)

- 2005–2008 **BSc in Medical physics**
Babes-Bolyai University / Faculty of Physics, Cluj Napoca (Romania)

- 2008 **MSc in Solid-state physics**
Babes-Bolyai University / Faculty of Physics, Cluj Napoca (Romania)

- 2003–2007 **BSc in Physics-informatics**
Babes-Bolyai University / Faculty of Physics, Cluj Napoca (Romania)

PERSONAL SKILLS

Mother tongue(s) Hungarian

Foreign language(s)

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

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

Communication skills Good ability to adapt to multicultural environments, acquired in the professional experience abroad, team spirit through team work experience

Organisational / managerial skills Member in the Organising Committee of the Workshop Rigaku 2014 "Shedding Laser light on the Adriatic Sea environment"- in cooperation with Rigaku Technologies Inc., 2014, Dubrovnik, Croatia

Job-related skills Applied Raman spectroscopy; Experimental vibrational spectroscopy, Nanoparticles; SERS; Developing Raman spectroscopy applications in food control and in environmental monitoring field

Digital skills

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem-solving
Proficient user	Proficient user	Independent user	Basic user	Independent user

Digital skills - Self-assessment grid

Driving licence A, B

ADDITIONAL INFORMATION

Scientific Internships

01.10.2012-31.03.2013 (6 months)

Friedrich - Schiller University, Institut of Photonic Technology (IPHT), JEna, Germany, Mobility Stay funded by the Posdru project.

During this period I resolved to detect natural biotoxin in fish tissue using Raman and SERS spectroscopic techniques.

29.09.2014-05.10.2014 (one week)

Dubrovnik University, Dubrovnik, Croatia

Workshop: Exploitation of laser light on the preparation of environmental programs for marine shelter and oral presentation: Domoic acid biotoxin from seawater environment: Raman and SERS detection.

Conferences

31st European Congress on Molecular Spectroscopy, 26-31 August, 2012, Cluj Napoca, Romania

Poster title: Chemicals detection in fruit conservation treatment using surface-enhanced Raman scattering

Author: Csilla Müller, Leontin David, Vasile Chiş, Simona Cîntă Pînzaru

3rd World Conference on Physico Chemical Methods in Drug Discovery and Development, 20th - 26 September, 2013, Dubrovnik, Croatia

Poster title: Domoic acid biotoxin from seawater environment: Raman and SERS characterization and detection

Authors: Csilla Müller, Karina Weber, Dana Cialla, Jürgen Popp, Iva Pozniak, Branko Glamuzina, Simona Cîntă Pînzaru

XXIV International Conference on Raman Spectroscopy, 10-14 August, 2014, Jena, Germania

Poster title: SERS detection of domoic acid ASP toxin in fish tissue

Authors: Csilla Müller, Christian Matthaus, Jürgen Popp, Branko Glamuzina, Simona Cîntă Pînzaru

5th BIONANOSPEC, 4-7 September 2014, Cluj-Napoca, Romania

Poster title: pH dependence SERS spectra ASP toxins

Authors: Csilla Müller, Vasile Chiş, Simona Cîntă Pînzaru

8th International Conference on Advanced Vibrational Spectroscopy, 12-17 July, 2015, Wien, Austria.

Poster title: DSP marine algal biotoxins interaction with silver nanoparticles

Authors: Müller Csilla, Glamuzina Branko, Ujevic Ivana, Vasile Chiş

Simona Cîntă-Pînzaru

8th International Conference on Advanced Vibrational Spectroscopy, 12-17 July, 2015, Wien, Austria

Poster title: Noble metal nanoparticles in seawater: nano risk towards aquatic organisms assessed by SERS

Authors: S. Cîntă Pinzaru, Cs. Müller, S. Tomšić, I. Ujević, A. Bratoš Cetinić, B. I. Cozar, R. Stiufiuc, M. M. Venter, B. Glamuzina

International Seminar on Biomaterials and Regenerative Medicine, BIOREMED 2015, Bucuresti, Romania

Poster title: Amazing Biomaterials from the Adriatic Environment

Authors: S. Cîntă Pinzaru, Cs. Müller, I. Prusina, S. Tomsic, C. Firţa, L. Barbu-Tudoran, R. Stefan and B. Glamuzina

11th International Conference on Physics of Advanced Materials, Cluj-Napoca, 8-14 September, 2016, Cluj-Napoca, Romania

Poster title: Organic photoreceptor matrix in biogenic calcite of urchin spine

Authors: Simona Cîntă Pinzaru, Cs. Müller, Sanja Tomsic, Lucian Barbu-Tudoran, and Branko Glamuzina

Projects Project applications

2014: PN-II-RU-TE-2014-4-2960 - Young Team Projects (pt .76)

2016: PN-III-P1-1.1-PD-2016-1948 - Postdoctoral Research Projects (pt. 90)

Oral presentation *Workshop Rigaku: "Shedding Laser light on the Adriatic Sea environment"*, October 2-3, 2014, Dubrovnik, Croatia
Presentation title: DOMOIC ACID BIOTOXIN FROM SEAWATER ENVIRONMENT: RAMAN AND SERS DETECTION
Authors: Csilla Müller, Vasile Chiș, Branko Glamuzina, Simona Cîntă Pînzaru

Additional information <https://www.brainmap.ro/public-profile-82821359>
ResearcherID: B-1469-2019 ; **profile URL**: <https://publons.com/researcher/2983300/csilla-muller-molnar/>
ORCID: <https://orcid.org/0000-0002-2677-3509>
Researcher Gate: https://www.researchgate.net/profile/Mueller_Molnar_Csilla
ISI Publications: 7, **Citations**: 70, **h-index**: 4