

Europass Curriculum Vitae



Personal information

First name(s) / Maiden name Surname(s) **Simona Cîntă Pînzaru**
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Nationality Romanian
Gender F

Work experience

Assoc. Professor of Spectroscopy and Lasers, Optics, Optoelectronics, Nanomedicine and molecular Diagnostic, Applied Raman spectroscopy; Academic research;

Dates 2003-present: Associate Professor, Biomolecular Physics Dept., Babes-Bolyai University, Cluj-Napoca, Romania; Research trajectory;
 2014 (June)- 2016 (May): Senior researcher, Fellowship of NEWFELPRO Programme MSE/ FP7-Marie-Curie, for Experienced Researchers in Croatia;
 2005 (Oct.-Dec.) Visiting scientist, Bayerische Julius-Maximilians-Universität Würzburg, Germany;
 2004 (Sept.-Dec) Visiting scientist, Bayerische Julius-Maximilians-Universität Würzburg, Germany;
 2003 (Sept-Dec.) Visiting scientist, Bayerische Julius-Maximilians-Universität Würzburg, Germany;
 1998-2003: Lecturer, Molecular Spectroscopy Dept., Babes-Bolyai University
 1996 Assoc. research assistant, Bayerische Julius-Maximilians-Universität Würzburg, Germany,
 1996: Soros Fellowship (one month), Associated research assistant, Bayerische Julius-Maximilians-Universität Würzburg, Germany;
 1995-1998: Assistant professor, Molecular Spectroscopy Dept., Babes-Bolyai University position gained in competition;
 1992-1995: Associated assistant, Optical Spectroscopy Laboratory, Faculty of Physics, Babes-Bolyai University;
 1988-1995: Professor of Physics, positions gained in national competitions, High Schools (Liceul Gh. Baritiu, Ind. Nr. 4, CUG, Ind.8, from Cluj-Napoca;
 1988-1990 Governmental allocation, High school teaching, Teleorman County, RO.

Occupation or position held 2003-present: Associate Professor, research trajectory, Biomolecular Physics Dept, BBU
Name and address of employer Babes-Bolyai University, Faculty of Physics, Biomolecular Physics Department, Cluj-Napoca, RO 400084

Education and training

Dates

1988: Graduated, Faculty of Physics, Babes-Bolyai University, Cluj-Napoca.
 1988 Sept-1991 May) Physics teaching stage completed and certified.
 1995-1998: Doctoral Program, Babes-Bolyai University;
 1996: Soros fellow, PhD student, University of Würzburg, Germany;
 1998: Doctoral Thesis: "Raman and SERS spectroscopic studies of the metal-adsorbed complex for the biological interest molecules"
 1999, 2002, Erasmus-Socrates Fellowship, Post Doc at University of Würzburg, Germany;
 1996 (Sept.-Dec)- Rsearch assistant, PhD student at *Bayerische Julius Maximilians Universitaet Würzburg*;
 2011: Professional Education: Enrollment in *Educația și formarea profesională în sprijinul creșterii economice și dezvoltării societății bazate pe cunoaștere „Calitate în învățământul superior”, proiect „Întărirea învățământului superior orientat spre competențe” (POSDRU/86/1.2/S/60281).*

2016 -Evaluator: Grants Competition for Young Researchers, (GTC-UBB 2016);
 2016: Expert evaluator, European Commission, Program H2020 (expert EX2013D134729, Contract nr. CT-EX2013D134729-101, Contract nr. CT-EX2013D134729-103)
 Expert Evaluator national grants;

Title of qualification awarded

Doctor in Physics (1998) of Babes-Bolyai University, Cluj-Napoca, Romania
 Licence in Physics (1988)
 Operator in Nuclear Techniques and Technologies (High school qualification, 1984).

Principal subjects/occupational skills covered

Scientific research & Academic activity
Courses: Spectroscopy and Lasers, Optoelectronics, Nanomedicine and Molecular Diagnostic, Optics, Vibrational spectroscopy methods –Biomedical Applications; Optics (German Language), Spectroscopy (German Language) seminars, laboratories);
Research: interface between living organisms and nanoparticles;
 Research topics :SERS, Applied Raman spectroscopy techniques; Biomolecular physics, Raman techniques for nanomedicine, personalized diagnostic, pharmaceuticals, food control, molecular environmental research;

Personal skills and competences

Mother tongue(s)

Romanian

Other language(s)

English, German, Croatian, French

Self-assessment
European level (*)

English
German
French
Croatian

Understanding		Speaking		Writing			
Listening		Reading		Spoken interaction		Spoken production	
	C2		C2		C2		C2
	B2		C1		B2		C1
	B2 B2		C2 B2		B1 B1		B1 A2

(*) [Common European Framework of Reference for Languages](#)

Organisational skills

Organiser / Coordinator of scientific meetings : **Workshop Bruker** 2002Cluj-Napoca; **Workshop Witec** 2008, Cluj-Napoca, **Workshop Rigaku** 2013, Cluj-Napoca; **Workshop Rigaku 2014** "Shedding Laser light on the Adriatic Sea environment" -in cooperation with Rigaku Technologies Inc., 2014, Dubrovnik,Croatia; **Workshop B&W TEK**, 2015, Dubrovnik, Croatia;
 Member in the Organising Committee of the International Conference "Advanced Spectroscopies on Biomedical and Nanostructured Systems" Cluj-Napoca, 4 Editions: **NanoSpec** 2004, 2006, 2008, **BioNanoSpec** 2011;
 Member in the Local Scientific and Organising Committee of the **EUCMOS 2012**, Cluj-Napoca, RO.
 Member in the International scientific Committee of **ICOVS** (2006, 2014, Meerut, India)

Projects management competences	<p>JADRANSERS Project manager (2014-2016) NEWFELPRO -Marie Curie FP7-PEOPLE-2011-COFUND program of the Ministry of Science, Education. and Sports Croatia, grant agreement no. 291823, MSE; University of Dubrovnik;</p> <p>Coordination of research projects: PN_II_ID_2284/ 2008-2011; Grant Director Grant Director (1999-2002), World Bank Grant for Young Researchers BM-T 131; Grant Director CNCSIS –AT – 2000-2002.</p> <p>Member in other projects grants (CNCSIS type) teams - 2005, 2004, 2003, 2002;</p> <p>-Member in COST Action BM140;</p> <p>-Member in POC 2014 - 2020, ID P_40_374, Cod MySMIS: 105765, Beneficiary: BBU</p> <p>3 international bilateral and institutional agreements , 4 interdepartmental agreements;</p>
Technical skills and competences	<p>Applied Raman spectroscopy; Experimental vibrational spectroscopy, Nanoparticles; SERS; – Developing Raman spectroscopy applications in biomedical, environmental and conservation-restoration field ; Pure and Applied SERS; (Nanomedicine; Pharmaceuticals; Food control; Environment, Cultural Heritage –assessment for conservation-restoration;</p>
Prizes /Awards	<p>The Prize of Babes-Bolyai University for the Excellence in Research, 2011</p> <p>Poster prize, 5th Summit of Clinical Nanomedicine, Clinam 2012, Basel;</p> <p>Nomination for <i>Dhamelincourt prize</i>, Paris, 2007</p> <p>Prize “Excellentia”, 2015, CSUBB (Babes-Bolyai University);</p>
Computer skills and competences	<p>User; Microsoft office, Specific scientific software, spectral data analysis;</p>
Artistic, social skills and competences	<p>Photography, holography, cultural heritage, Dalmatian tradition and music;</p> <p>Very good communication skills, teaming, public relations skills, media communication;</p>
Additional information	<p>Publications: 71 articles in ISI journals; 4 books/ book chapters; 49 published papers in national and other International journals (BDI); More than 200 contributions in proceedings / book of abstracts; conference programs, webinars; 15 invited lectures; 39 talks and oral presentations to international conferences and meetings;</p> <p>Researcher ID: A-4543-2011; Profile URL: http://www.researcherid.com/rid/A-4543-2011</p> <p>ORCID: http://orcid.org/0000-0001-8016-4408</p> <p>Research Gate: https://www.researchgate.net/profile/Simona_Cinta_Pinzaru</p> <p>H index 17 (Scopus) (self-citations excluded); Google Scholar H-index: 19;</p> <p>Research topics: Nanomedicine: nanosciences for the benefit of patient. Early cancer diagnostic using optical spectroscopy techniques, including Raman and SERS, combined with complementary techniques; Marine biotoxins: detection and molecular recognition; Food control, aquaculture and seafood characterization and monitoring, using ultrasensitive Raman techniques; Pharmaceuticals;</p> <p>Professional Membership</p> <p>European Technology Platform-Nanomedicine (ETPN);</p> <p>International Association of Physical Chemists (IAPC),</p> <p>European Physical Society (EPS);</p> <p>Romanian Society for Pure and Applied Biophysics (RSPAB);</p> <p>Member in the Editorial Board of the Journal of Spectroscopy ,</p> <p>Member: Croatian Microbiological Society;</p> <p>Peer Reviewer in more than 15 ISI journals</p> <p>ERASMUS Coordinator, Faculty of Physics, BBU</p> <p>Other academic activity: member in admission panels, evaluation of doctoral theses (10) master dissertations, licence theses.</p>

Cluj-Napoca, 15.09.2017

Simona Cîntă Pinzaru