

PERSONAL INFORMATION

Camelia BALA

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JOB APPLIED FOR
 POSITION
 PREFERRED JOB
 STUDIES APPLIED FOR

ICUB-The Exact Sciences Division

WORK EXPERIENCE

- since 2011: Director Doctoral School on Chemistry, University of Bucharest, re-elected in 2021.
- since 2012: member Council of Doctoral Studies, University of Bucharest
- since 2023: member Council of Doctoral Studies, Academia Română
- since 2020: member National Council for the Accreditation of University Degrees, Diplomas and Certificates - Chemistry Commission
- since 2001: Director Research Center LaborQ (founded by Japan Agency for International Cooperation, accredited by RENAR 2004-2007)
- 2004-2008: Scientific Secretary, Faculty of Chemistry, University of Bucharest

EDUCATION AND TRAINING

- 1997, Ph.D. in Chemistry, University of Bucharest
- 1990, M.Sc. in Organic Chemistry, University of Bucharest, Faculty of Chemistry
- 1989, B.Sc. in Chemistry, University *Politehnica* of Bucharest, Faculty of Chemical Technology
- 1985, High School Diploma, mathematic-physic, Colegiul Ion Creanga Bucharest
- 2003, Certificate, 5 days Course "General aspects of ISO / IEC 17025: 1999 for the activity of accreditation of test / verification laboratories", Asociația de Acreditare din România (RENAR)
- 2003, Certificate, 5 days Course „Certification of HACCP-Systems”, German Accreditation System for Testing (DAP)
- 2003, Certificate, 5 days Course, Internal Auditors of the Quality Management System, FIATEST
- 2002, Certificate, 5 days Course, Cours Général de Propriété Intellectuelle, Organisation Mondial de la Propriété Intellectuelle

PERSONAL SKILLS

Mother tongue(s) Romanian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	C1	C1	C1
French	C2	C2	C2	C2	C1

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user
 Common European Framework of Reference for Languages

Communication skills good communication skills gained through my experience as professor and researcher

Organisational / managerial skills • leadership (currently responsible for a team of 20 people) and 80 students

Computer skills :good command of Microsoft Office™ tools; Origin; ChemDraw; EndNote

ADDITIONAL INFORMATION

Research interests

- analytical chemistry & bioelectrochemistry
- bio- & immune- sensors addressing current emerging problems of clinical, food and environmental importance.
- bioanalytical chemistry focusing on investigations of basic biochemical mechanisms at bio-interfaces, biomimetic materials and artificial receptors.
- Current projects include: (i) low cost field portable sensing platforms integrating biomimetic systems for rapid screening of undesirable substances in food and environment, (ii) novel electrode materials, nanostructured materials, surface–modified electrodes and conducting polymers, (iii) electrochemical enzyme biosensors, (iv) acoustic and surface plasmon resonance transducers for immunoassay, (v) ionic liquids based composite for sensing, (vi) micro/nanosensors for early cancer warning system diagnostic and prognostic information.

ResearcherID: A-4504-2008; Web of Science : h-index 27; Citations 2699

Publications, patents, books, research projects

- ~3 patents awarded by State Office for Inventions and Trademarks.
- 12 books chapters (Elsevier, Springer, CRC Press Taylor & Francis, in 799 libraries of higher education institutions, WorldCat catalogue).
- Principal Investigator in 35 national and 8 international projects (Japan International Cooperation Agency, FP7, ERA-NET MNT, AUF, 2 PAI Roumaine –France, 2 Bilateral Romania-Italy).
- Promoter COST actions:
 - TD1003-Bio-inspired nanotechnologies: from concepts to applications (2010-2014)
 - CA18132-Functional Glyconanoparticles for the Development of Diagnostics and Targeted Therapeutic Probes (2019-2023)
 - CA16113 - CliniMARK: 'good biomarker practice' to increase the number of clinically validated biomarkers (2017-2021)
 - "Nicolae Teclu" Prize awarded by The Romanian Academy, Chemistry Section for contributions on "Structured Architectures for the Identification of Complex Biomolecules" (15 December 2017)
 - Research Excellence Award, Japan International Cooperation Agency (2001).
 - Award for Career Development in *Nano bioanalytical system for estrogens monitoring in the environment* Ministry of Education & Scientific Research-ANCSI (2008).
 - Prize The most cited paper, Revista de Chimie (2009).

Honours and awards

- 7 Romanian PhD student awarded with Doctoral degree in Chemistry
- host for 1 Reintegration Grant from Sweden, for 1 PostDoc (24 months); 7 Marie Curie PostDoc fellows (between 3-6 months: 3-Tunis, 1-Egypt, 1-South Africa, 2-Ucraina); 1 PosDoc and 2 PhD students AUF Eugen Ionescu fellowship; 2 Research Institute of University of Bucharest (ICUB) PostDoc fellow; 11 MSc students and 12 undergraduate.

Mentoring and training researchers

External Reviewer

- visiting researchers (3 to 6 months): 1 month -South Africa, 1-3 month Ucraina
- PhD thesis (Institute Polytechnique Paris, University University of Grenoble Alpes, University of Milan, University Perpignan. University Claude Bernard Lyon, France; University Rhodes, University of the Western Cape South Africa; University Tel Aviv, Israel.)
- Scientific Journal reviewer (by invitation): TRAC-Trends in Analytical Chemistry; Biosens&Bioelectron., Sens.&Actuators B. Chem., RSC Advances, Talanta, Bioelectrochem., Water Research, Toxins, Talanta, Langmuir, J. of Enzyme Inhibition and Medicinal Chemistry, Rev. Roum. Chim.,

Other activities

- Scientific committee 8th International Workshop on Biosensors for Food Safety and Environmental Monitoring, (Morocco), 12 - 14 October, 2017; 2019, 2022; 2024
- Scientific committee, MADICA 2016 (Tunisia), 9-10 November, 2016; 2020; 2022
- Scientific committee, International Summer School "Electrochemistry for Environmental and Biomedical Applications" Cluj-Napoca, 17-21 June 2013.

Prof. dr. Camelia Bala



January, 2024