

CURRICULUM VITAE

Prof. dr. Bala Camelia



Affiliation and official address

University of Bucharest
Department of Analytical Chemistry
Faculty of Chemistry
4-12 Regina Elisabeta Blvd.
030018 Bucharest-3, ROMANIA
e-mail: camelia.bala@chimie.unibuc.ro

Professional experience, employer

- since 2011: elected Director Doctoral School on Chemistry, University of Bucharest
- since 2006: PhD Supervisor, confirmed by Ministry of Education and Research.
- since 2005-full prof.; 2001-assoc. prof., 1998-lecturer, 1990-assistant, Univ. of Buc.

Education, degrees and diplomas

- 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* Bucharest, Faculty of Chemical Technology.

Research interests

- development of sensors and biosensors 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.

Publications, patents, books, research projects

- over 75 papers in high impact journal, ranking in Web of Knowledge, mainly, in the top 25% journals for the specific research domain (*chemistry analytical, electrochemistry, instruments & instrumentation, biotechnology & applied microbiology, chemistry multidisciplinary*).
- over 137 communications, half of them plenary or invited lectures.
- 3 patents awarded by State Office for Inventions and Trademarks.
- 7 books chapters from whom 5 book chapters published in prestigious international publishing houses (1 in Elsevier, 4 in Springer, 2 in CRC Press Taylor & Francis).
- 8 student's text books.
- Citation Metrics: ISI Web of Science: citations = 1211; h_{index} = 22 (Researcherid:A-4504-2008); Google Scholar: citations= 1767 and h_{index} = 27;
- principal investigator in 30 national and 8 international projects (Japan International Cooperation Agency, FP7 European Project Mare Curie IRSES, ERA-NET MNT, 2 PAI Roumaine -France, 2 Bilateral Romania-Italy).

Awards

- “Nicolae Teclu” Award, The Romanian Academy (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).
- Revista de Chimie Prize, (2009).

Mentoring and training researchers

- 5 *Marie Curie* PostDoc fellows, 1 PosDoc *Eugen Ionesco* fellows, 7 PhD students, 11 MSc students and 12 undergraduate.
- visiting researchers (3 to 6 months): 5 PhD and 3 PostDoc (Tunisia, Ukraina, Egypt, South Africa), 1 undergraduate (France),

External Reviewer

- PhD thesis (University of Milan, University Perpignan. University Claude Bernard Lyon, France; University Rhodes, South Africa; University Tel Aviv, Israel).
- Scientific Journal reviewer (by invitation): *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

- co-editor Special issue in *Analytical Letters*, 2018, vol 51(1)
- Scientific committee 8th International Workshop on Biosensors for Food Safety and Environmental Monitoring, (Morocco), 12 - 14 October, 2017.
- Scientific committee, MADICA 2016 (Tunisia), 9-10 November, 2016;
- Scientific committee, International Summer School “Electrochemistry for Environmental and Biomedical Applications” Cluj-Napoca, 17-21 June 2013.
- Jury UNESCO – L’Oréal „Women in Science”, 2011.