

## CURRICULUM VITAE

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**Prof. dr. Bala Camelia**

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### **Affiliation and official address**

University of Bucharest  
Department of Analytical Chemistry  
Director Doctoral School of Chemistry  
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### **Professional experience, employer**

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- 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, Fac. Chem., Univ. of Buc.

### **Education, degrees and diplomas**

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- 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.

### **Research interests**

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- applied electrochemistry
- 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**

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- Publications list : <https://publons.com/researcher/1475644/bala-camelia/publications/>
- 3 patents awarded by State Office for Inventions and Trademarks.
- books & chapters :Elsevier, Springer, CRC Press Taylor & Francis.
- Citation Metrics: Web of Science ResearcherID : A-4504-2008
- 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**

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- The Romanian Academy “ Nicolae Teclu” Award – 15 December 2017
- Japan International Cooperation Agency, Research Excellence Award (2001).
- Award for Career Development in *Nano bioanalytical system for estrogens monitoring in the environment* (2008). Ministry of Education & Scientific Research-ANCSI.
- Revista de Chimie Prize, (2009).

### **Mentoring and training researchers**

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- 5 *Marie Curie* PostDoc fellows, 1 PosDoc and 1 PhD student awarded with *Eugen Ionesco* AUF fellowship, 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**

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- PhD thesis (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**

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- Editorial Board Chemistry Journal of Moldova journal; Sensors journal
- co-editor Special issue in Analytical Letters, 2018, vol 51(1)
- Scientific committee 8<sup>th</sup> 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.