

# ***CURRICULUM VITAE***

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Prof. dr. Bala Camelia

## **Affiliation and official address**

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## ***Professional experience, employer***

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- 2021: 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/>
  - 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).
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