

CURRICULUM VITAE

Professor AUREL I. POPESCU

I. PERSONAL DATA

Official Address: Department of Electricity, Physics of Solid and Biophysics, Faculty of Physics,
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II. EDUCATION

University Degrees: Faculty of Physics. University of Bucharest (**1964 - 1969**)
PhD in Physics (Biophysics). Thesis: *Contributions to the Study of the Electrical Properties of Cellular Surfaces*, University of Bucharest (**1979**)

Languages: **Romanian** (mother tongue), **English** (fluently), **French** (fluently), **Italian** (well),
Russian (scholar level), **German** (scholar level)

III. PREVIOUS AND ACTUAL OCCUPATIONS

Researcher at Oncologic Institute of Bucharest (**1969-1975**)
Researcher at Biophysics Department, Medical Faculty of Medicine, Bucharest (**1975-1981**)
Lecturer at Department of Biophysics, Faculty of Physics (**1981-1990**)
Associate Professor, Faculty of Physics (**1990-1996**)
Full Professor, Faculty of Physics, University of Bucharest (**1996-2012**)
Professor Emeritus, Faculty of Physics, University of Bucharest (**2012**)
PhD Supervisor in the field of **Biophysics/Medical Physics** (**2000-present**)

IV. PREVIOUS AND ACTUAL FUNCTIONS

First President of National Society for Pure and Applied Biophysics of Romania: **1990-1992**
Vice-President of National Society for Pure and Applied Biophysics of Romania: **1994-2001**
Re-elected for the periods: **2001-2004**
Funding member of the first periodical of Biophysics from Romania: *Romanian J. Biophysics*
(first issue: **1991**)
Member of the Editorial Committee of the *Romanian Journal of Biophysics* (**1991-present**)
Member of the Editorial Board of the *Romanian Report in Physics* (**2001-present**)
Member of the Advisory Board of the *Journal of Optoelectronics and Advanced Material* (since **1999**)
Head of the Department of Electricity and Biophysics, Faculty of Physics (**2000-2010**)
Director of the Dept. of Electricity, Solid State and Biophysics, Faculty of Physics (**2010-2011**)
Member of the Council of the Faculty of Physics, University of Bucharest (**1990-2010**)
Dean of the Physics Faculty (**1992-1996**)
Member of the Senate of the University of Bucharest (**1992-2000**)
Member of the Physics Commission of the National Council for Attestation of Titles,
and Diploma (**2000-2003**)
Regular Associate, ICTP, “Abdus Salam”, Trieste, Italy (**1995-1999**)
Senior Associate, ICTP, “Abdus Salam”, Trieste, Italy (**2000-2007**)
Courses: Biophysics. Medical Biophysics. Molecular Biophysics. Neural Networks. Bionics.
Tutorship: *PhD Theses* (from **2000**). Licence and Master Diploma in Biophysics. Theses for the
Didactic Degree in Physics
Director of the Research Centre in the Field of Molecular Biophysics (BIOMOL). Accredited by CNCSIS.
Certificate No.10/CC-C, 2001 (**2001-2012**)
Coordinator (and lecturer): **International Course FEBS** “Membrane Transport and Signal
Transduction”, București, **Romania**, 24-31 August, **1997**
Co-organizer (and lecturer): **International Workshop** “New Biophysical Methods in Medicine and
Biology”. *Neptun*, 26-30 September, **2000**

Co-organizer: International Workshop “Biological Effects of Ionising Radiations, Electromagnetic Fields and Chemical Toxic Agents” 2-6 October, **2000**, Sinaia, Romania.

V. SPECIALISATIONS

France (7), Italy (8), England (1), Germany (1), Portugal (1), USA (2)

VI. SCIENTIFIC ACTIVITY

Fields: 1. Electrical Properties of Cellular Surfaces
2. Non-Specific and Specific Cellular Interactions
3. Bionics and Optimal Design Principle
4. Natural and Artificial Neural Networks
5. Protein Structure and Protein-Ligand Specific Interactions

VII. PUBLICATIONS: 110

1. **Papers:** **88** in refereed scientific literature.
2. **Books (8):** **6** of Biophysics, Bionics and Medical Biophysics (in Romanian)
(three: single author)
1 Integrated Molecular and Cellular Biophysics, **Springer, 2008**
1 Biophysics. Current Status and Future Trends
Romanian Academy Publishing House, 2016
3. **Chapters (5):** **1** in a Romanian book (**1977**), **2** in books published by
Springer (1984), Elsevier (2003), and other **2** by **Springer (2017)**
4. **Electronic publication: 1**
5. **Proceedings: 8**
6. **649 scientific citations (h-index 13; i10-index 16):**
<https://scholar.google.ro/citations?user=Qtlp4-gAAAAJ&hl=en>

VIII. INVITED CONFERENCES/SEMINARS:

7 in Romania and
13 abroad

IX. DISTINCTIONS:

Romanian Academy Prize “Stefan Procopiu”, **1998**
Excellence Diploma of the Romanian Society of Pure and Applied Biophysics, **2001**
Excellence Diploma of the Education and Research Ministry, **2002**
Diploma “Anul International al Fizicii” Facultatea de Fizica-MEC, **2005**
Excellence Diploma of the Education and Research Ministry, **2012**
Emeritus Professor Diploma, University of Bucharest, **2012**
Diploma “Emeritus Professor of the Year” of the Senate of the University of Bucharest, **2017**

X. OTHERS:

Visiting Professor: Physical Biochemistry Department, University of Bielefeld, **Germany, 1999**
Visiting Professor: Department of Physics, University of Wisconsin, Milwaukee, **USA, 2005**
Visiting Professor: Institute of Pharmacology and Structural Biology, University “Paul Sabatier”
Toulouse, **France, 2006**
Visiting Professor: Department of Physics, University of Wisconsin, Milwaukee, **USA, 2016**

14 August 2018

Professor Aurel Popescu