

PERSONAL INFORMATION



ANDRONESCU Ecaterina

📍 University POLITEHNICA of Bucharest, Splaiul Independenței Street, Sector 6, no.313, Bucharest, RO-060042 Bucharest (Romania)

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Sex Female | Date of birth 7 Apr 1948 | Nationality Romanian

WORK EXPERIENCE

2016–Present

President of the University Senate

University Politehnica of Bucharest, Bucharest (Romania)

Management of Education and Research

2016–Present

Senator in the Romanian Parliament

Romanian Parliament, Bucharest (Romania)

Public Administration, Management of Education and Research, President of the Commission for Education, Science, Youth and Sports (2012-2018)

1972–Present

Assistant professor, Lecturer, Associate Professor, Full Professor, Department of Science and Engineering of Oxide Materials and Nanomaterials, Faculty of Applied Chemistry and Materials Science

University Politehnica of Bucharest, Bucharest (Romania)

Courses: Solid State Physical-Chemistry Of Silicates, Oxide Materials Science, Thermal equilibrium in oxidic systems, Ceramic Materials With Electric And Magnetic Properties, Ceramics With Thermo-Mechanic Properties, Nanomaterials and Nanotechnologies; Correlations between composition, structure and properties in advanced oxide materials at both micro ad nanolevel

2012–2016

President of the University Senate

University Politehnica of Bucharest, Bucharest (Romania)

Management of Education and Research

2012–2016

Senator in the Romanian Parliament

Romanian Parliament, Bucharest (Romania)

Senator in the Romanian Parliament, President of the Commission for Education, Science, Youth and Sports (2012-2018)

2004–2013

President of the National Council of Rectors

National Council of Rectors, Bucharest (Romania)

Management of Education and Research

06/2012–12/2012

Minister of Education and Research

Ministry of Education and Research, Bucharest (Romania)

Management of Education and Research, Public Administration

2008–2012

Rector of University Politehnica of Bucharest

University Politehnica of Bucharest, Bucharest (Romania)

Management of Education and Research

2008–2012 Senator in the Romanian Parliament

Romanian Parliament, Bucharest (Romania)

Vice President of the Commission for Education, Science, Youth and Sports (2008-2012)

12/2008–09/2009 Minister of Education and Research

Ministry of Education and Research, Bucharest (Romania)

Management of Education and Research, Public Administration

2004–2008 Rector of University Politehnica of Bucharest

University Politehnica of Bucharest, Bucharest (Romania)

Management of Education and Research

2004–2008 Deputy in the Romanian Parliament, Secretary and Member of the Commission for Education, Science, Youth and Sports

Romanian Parliament, Deputy Chamber, Bucharest (Romania)

Public Administration, Legislation Development and Certification in Education and Research Domain

2000–2004 Deputy in the Romanian Parliament, Secretary and Member of the Commission for Education, Science, Youth and Sports

Romanian Parliament, Deputy Chamber, Bucharest (Romania)

Public Administration, Legislation Development and Certification in Education and Research Domain

1992–2004 Dean, Faculty of Industrial Chemistry

University Politehnica of Bucharest, Bucharest (Romania)

Management of Education and Research

2001–2003 Minister of Education and Research

Ministry of Education and Research, Bucharest (Romania)

Management of Education and Research, Public Administration

1996–2000 Deputy in the Romanian Parliament, Secretary and Member of the Commission for Education, Science, Youth and Sports

Romanian Parliament, Deputy Chamber, Bucharest (Romania)

Public Administration, Legislation Development and Certification in Education and Research Domain

1995–1996 State Secretary for Higher Education

Ministry of Education, Bucharest (Romania)

Public Administration, Management of Education and Research

1989–1992 Vice-Dean, Faculty of Industrial Chemistry

University Politehnica of Bucharest, Bucharest (Romania)

Management of Education and Research

EDUCATION AND TRAINING

- 1983 **Ph.D.**
University Politehnica of Bucharest, Faculty of Industrial Chemistry, Bucharest (Romania)
Thermal Phase Equilibrium Diagrams for Quaternary System CaO- MgO-CaO-Al₂O₃-SiO₂

- 1972 **Engineer Degree / Diploma**
University Politehnica of Bucharest, Bucharest (Romania)
Science and Engineering of Oxide Materials

PERSONAL SKILLS

Mother tongue(s) Romanian

Foreign language(s)

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

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user
Common European Framework of Reference for Languages

Organisational / managerial skills Excellent organisational skills, considering the experience and knowledge gained through various positions involving team and organisational coordination and management.

Job-related skills Assessment, monitoring and quality assurance, regarding the learning programs in the fields of chemistry, chemical engineering, and oxide materials science, nanobiomaterials.
Assessment, monitoring and scientific project management.
Review of scientific papers with the purpose of national or international publication.
The organisation and coordination of research laboratories in the field of Material Sciences.
Analysis and material characterization.

ADDITIONAL INFORMATION

Publications 275 published articles in the following fields: Solid State Physical-Chemistry Of Silicates, Thermal Phase Equilibrium Diagrams, Oxide Materials Science, Ceramic Materials With Electric And Magnetic Properties, Ceramics With Thermo-Mechanic Properties, Biomaterials, Porous Ceramic Materials, Nanomaterials and Nanotechnologies, Unconventional Synthesizing Methods of Ceramic Materials.
21 Books and chapter of books;
4 University Level Courses;
3 Laboratory guidance handbooks;
9 issued patents or patent applications.

Conferences Over 430 papers and presentations at Scientific Conferences in Romania or abroad (more than 200 in ISI indexed/quoted journals); Hirsch index 26; over 2000 citations

Projects Coordinator of over 80 research project contracts with national and international financing

Honours and awards **2015** Doctor Honoris Causa – Technical University of Moldavia; Chişinău, Moldavia;
2011 Doctor Honoris Causa – National Technical University “Kharkiv Polytechnic Institute” of Ukraine;
2010 Doctor Honoris Causa – University “Valahia” of Târgovişte;
2010 Doctor Honoris Causa – University “Petru Maior” of Târgu Mureş;
2007 Doctor Honoris Causa – University of Reşiţa;
2006 Doctor Honoris Causa – University “Ovidius” of Constanţa;
2005 Doctor Honoris Causa – University “Andrei Şaguna” of Constanţa;
2004 Doctor Honoris Causa – University “POLITEHNICA” of Timişoara, University of Bacău, University „Ştefan cel Mare” of Suceava, University of Petroşani;

2003 Doctor Honoris Causa – technical University „Gh. Asachi” of Iași, University „Aurel Vlaicu” of Arad.

Memberships

1996 – 2004: Member in the Commission for Chemistry and Material Sciences, the National Council for the Certification of Academic Degrees and Titles

2004 – 2005: President of the Commission for Chemistry and Material Sciences, the National Council for the Certification of Academic Degrees and Titles

2013 – 2018: President in the Commission for Chemical Engineering, the National Council for the Certification of Academic Degrees and Titles

1994 – 2000, 2004 – 2005: Member in the Engineering Sciences Commission, the National Council for the Certification of Academic Degrees and Titles

- Founding Member of Romanian Society for Biomaterials
- Founding Member of Romanian Ceramic Society
- Founding Member of Romanian Society of Chemistry
- Founding Member of the Romanian Society of Chemical Engineering
- Member of European Ceramic Society
- Member of the Romanian Academy of Scientists
- Member of the Technical Sciences Academy
- Founding Member in the Romanian Electron Microscopy Society
- Member of the European Microscopy Society
- Member of the Board Revista Română de Materiale – Romanian Journal of Materials
- Lead Guest Editor of Journal of Nanomaterials, Hindawi Publishing House
- Editor, Elsevier

Lead Editor of UPB Scientific Bulletin

Lead Editor of Romanian Journal of Materials