

**Demetrescu Ioana**  
**Professor**

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**Education and training**

Title of qualification awarded	Faculty of Chemistry University of Bucharest chemist
Principal subjects/occupational skills covered	1968-1972 PhD stage and PhD in Chemistry title in 1972
Name and type of organization providing education and training	-Chemistry Faculty Bucharest University license and PhD -1995; 2 months Porto University Portugal specialization in composite materials - 1973-1974- Brandeis University USA specialization photochemistry and methods of analysis
Level in national or international classification	8 (Dr in Science and PhD supervisor)

**Professional experience**

Dates	1994- present Prof. ;1990-1994, Ass. Prof.
occupation or position held	1966-1990 teaching assistant, lecturer, Teaching and research
main activities and responsibilities	Teaching activities, continuous training, expertise in coordination program, PhD supervisor activities and research (including 3 cotutela th with INCPT Toulouse;30 PhD students are now doctors in Science and 12 in stages of obtaining their degree; Head of the General Chemistry Department 2000-2012 1992-2004: Member of the Academic Council I.M.S.T. „Politehnica”University Bucharest ; 2000-2012:Member of of the Acade Council Appl. Chemistry&Materials Science Faculty; 2002-2012: Member of the Academic Council of he Bioeng. Biotechnology Department 2004 -2012 Member of of Univer „Politehnica” Senate 2016 -2018 Academic Council of Medical Engineerig Faculty
Name and address of employer	1966-1974 Bucharest University, Chemistry Faculty 1974- present “Politehnica” University Bucharest
Type of business or sector	Education and research Coordinator of Masterat Materials,Substances and Biocompatible Systems 2002-2-2018

**Academic and research interests;** Physical Chemistry, Biomaterials, Corrosion,environment  
Teaching activity

	Specialization name	Code	Title	Activity type
Licence	Faculty Applied	Science	Chemistry	course
Master	Materials, Substance	UPB.FIM	Bioelectrochemistr	Course
	Biocompatible Systems		Biomaterials& nanodimensions	Course

### **Publications**

**Books** Participation in elaboration of 18 books including chapters at international level

**Patents** 9 patents in materials Science

**Articles** 224 ISI publications starting 1975 and 2215 citations

**H index** 28 In ISI web of knowledge and 28 in Scopus as well

- **Research projects:** Participation in more than 100 projects at national and international level including, UNIDO, Leonardo da Vinci, FP6, CNCSIS, VIASAN, CEEEX, PCE, PCCE, etc ; in the period 2006-2019 Director of 15 projects, (2 international cooperation with France and Argentina in the field of biomaterials and 13 national).

International cooperation France, Spain, Greece, Germany, Japan, Portugal, Argentina, Finland, Slovenia

### **Other information**

- Director of the postdoc school in a CEEEX project entitled „Micro and nanostructured elaborated via chemical and electrochemical bioactivation with application in regenerative medicine:

- Expert evaluator and monitor of national (RELANSIN, MENER, BIOTECH, MATNANTEC) and international projects (LEONARDO Da VINCI, CORINT, Czech Science Foundation,

- **Invited lecture or/and chair person in Conferences and Universities** (, Romania, 2007, 2009, 2011, 2021, SUA, Poland, Mexico, Greece, 2010 Hong Kong (2010), Egipt, France, Kuala Lumpur, Great Britain, Denmark (2014), Italy, China (2015), China 2016 The Netherlands (2016), Prague 2017, JEJU ( KOREEA ) 2018,

- Expert in POSDRU Projects; evaluator in UEFISCDI projects and of AOSR projects

Expert in UNIDO, FP6 and Leonardo da Vinci projects.

- Member of Romanian Chemistry Society, member of Romanian Biomaterials Society, member ISI ( International Electrochemistry Society), Member of Committee of APCBEES( Asia Pacific Chemistry Biological & Environmental Society), member of International Bionic Society

- **member of editorial board** for Coatings ( ISI factor 2.881), for Molecules (ISI factor 4,112), Nanobiomedicine (Japan) and of J. of Roumanian Biophysics

- editor for Coatings ( Special Issue) and for Molecules (Special Issue ); - **reviewer** for J. Nanoparticles research, Biomaterials, Corr. Sci., Electrochimica Acta, J. Non Crystalline solids, Appl. Surf. Sci., Surf. and Coating Tech, Rev. Chim., J. Synthetic metals, Arab. J. of Chemistry, Non crystalline solids, Mater Chem. and Phys, J. Biosci. Bioeng., J. Mater. Sci. Mater. Medicine, J. Colloid Interface B, Sci Reports J. Nanomaterials, J of Ceramics International, Molecules, Materials.

- **Chairperson and/or member in scientific committee** International Conferences Romania, (RICCCE 2005, 2007, 2009, 2011), Greece (Duracosys 2010), Egipt (2011), Hong Kong (2010), Thailanda (International Conference on Biotechnology and Environment Management - ICBEM 2012), Denmark (International Conference on Biomedical Engineering and Technology ICBET May 2013 Copenhagen) France (Medical and Bioscience Conference Paris October 2013), Great Britain (2014 4th International Conference on Environmental, Biomedical and Biotechnology, ICEBB 2014 July Nottingham) Italy (May 2015 Florence), The Netherlands (Amsterdam March 2016), Prague 2017 China (5th International Conference on Bionic Eng. 2016), 2019

**Awards** - Silver medal at Geneva International Saloon of Inventions ( 2002)

- WOMPI premium at Geneva International Saloon of Inventions ( 2011 )

- Premium of Romanian Society of Biomaterials Daniel Bunea 2011

- over 90 papers have CNCS prize, the majority of them being from the red zone and having influence score higher than 1 (Ioana Demetrescu as principal author).

- Honorary Professor „Dunarea de Jos” University

Member of the Academy of Romanian Scientists