

Curriculum Vitae



1. Date and place of birth: 02.07.1977

2. Studies:

- Faculty of Industrial Chemistry, Specialisation: Technology of Polymer Compounds, M.Sc. graduated in 2001
- PhD in Chemistry, University Politehnica of Bucharest (2007)
- PhD in Bioengineering, Politecnico di Milano (2008)

3. Positions/Working places

Production Manager - Suport Logistic S.A., Bucharest, 2001 – 2002

Research Fellow - Università degli Studi di Milano, Department of Physical Chemistry and Electrochemistry, EST Marie Curie grant on synthesis and characterisation of metal oxide electrodes and particles with electrocatalytic activity for oxygen evolution reaction, 2003 – 2004

Research Fellow - Politecnico di Milano, Department of Biomedical Engineering, EST Marie Curie grant on computer aided molecular design of multifunctional materials with controlled permeability properties, 2006 – 2008

Project manager – Multiscale molecular modeling for the design and investigation of composite materials conductive polymer-carbon nanotubes

Research Fellow - University Politehnica of Bucharest, Advanced postdoctoral programme for research in nanomaterials, 2010-2013

4. Professional activity

Fields of research interest:

- multiscale molecular modelling of polymeric materials; models construction and characterisation
- polymer science (epoxy-based nanocomposites, bioartificial polymer films).
- 13 published papers in ISI-rated journals, Director at 1 research contract (national competition), 1 book published.

5. Specialisation:

Training at the Department of Physics, *Technical University of Denmark*, in the Bio-systems simulations. Project: "Getting new insights into eukaryotic cells organization and dynamic properties", August - December 2007

Bio-Systems Summer School, *Max Planck Institute of Colloids and Interfaces - Chinese Academy of Sciences*, Beijing, China, September 2006

Training at the Department of Chemical Engineering, *University of Pisa*, in the bioartificial polymeric materials. Project: “Synthesis and investigations of polymeric materials for applications as drug delivery systems and hemodialysis membranes”, June - July 2006

Training in soft skills – Scientific Writing and Time Management. Trainer: Dipl.-Betriebswirt Martin Ciesielski M.A., Harnack House Berlin, Berlin, Germany, April 4 - 6 2005