

CURRICULUM VITAE

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Affiliation and official address: National Institute for Laser, Plasma and Radiation
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Date and place of birth: 20. 09 1952, Posesti, Prahova, Romania

Nationality: Romanian

Education:

- PhD Thesis: Plasma Physics, University of Bucharest, Romania
- Degree in Physics, Specialization Biophysics: University of Bucharest, Romania

Positions:

- Senior Scientist, 1st degree, National Institute for Laser, Plasma and Radiation Physics, Bucharest, Romania;
- Head of Low Temperature Plasma Physics Department (over 10 years, 1996- 2000; 2002- 2007), National Institute for Laser, Plasma and Radiation Physics (NILPRP), Bucharest, Romania
- Research Group Leader, Group Plasma Processes, Materials and Surfaces, NILPRP
- Professor, Doctoral School of Physics, University of Bucharest

Languages: English, French

Research activities:

(i) Main field:

Plasma Physics, Plasma Material Processing, Treatment of Surfaces, Thin Films

ii) Other fields:

Biophysics; Material Science

iii) Current research interest:

- Fundamental processes in plasmas and plasma diagnostics;
- Electrical discharges in gases, plasma sources;
- Plasma interaction with materials and surfaces;
- Functional organic and inorganic materials (optical, electrical, adhesion controlled, biointerfaces) deposited by plasma and laser techniques;
- Plasma techniques for nanostructured carbon materials (carbon nanotubes, nanowalls) synthesis.

Participation to International Projects:

- Projects in the EURATOM Programme (2005-present)
- Project in EUREKA Programme (2005-2008)
- Participant with projects in FP4, FP5 and FP6 European Programmes
- Projects in COST- ESF, Action 527

Publications:

- Number of papers in ISI journals: over 70
- Number of contributions (published as extended proceedings) at international scientific conferences: over 70
- Invited talks, seminars: over 20

Editor or Guest Editor:

- Plasma Polymers and Related Materials (Eds. M. Mutlu, G. Dinescu, R. Forch, J.M. Martin-Martinez, J. Vyskocil, ISBN 975-491-194-0, Hacettepe University Press, 2005)
- Journal of Optoelectronics and Advanced Materials –volume 10, no. 8, 2008 (Eds. B. Mitu, G. Dinescu)
- Journal of Optoelectronics and Advanced Materials - volume 12, no. 3, 2010 (Topical Issue: Laser and Plasma Processing of Advanced Materials, Eds. C. Boulmer-Leborgne, G. Dinescu, J. Krueger, S. Orlando, H.-U. Habermeier)

Educational Activities:

- Professor, Doctoral School of Physics, University of Bucharest
- Coordination and supervision of Ph.D. students and M.Sc. Students;
- Course on “Plasma Physics and Technologies”, Doctoral School and Master Classes, Faculty of Physics, University of Bucharest.

Membership:

- European Physical Society (EPS)
- International Plasma Chemistry Society (IPCS)
- International Society for Optical Engineering (SPIE)
- European Optical Society (EOS)
- Romanian Physical Society, President of Plasma Division

Others:

- Member in the International Advisory Committee of the journal “Plasma Processes and Polymers”, Wiley VCH
- Member of Board of Directors of International Plasma Chemistry Society (IPCS): 2006-2009, 2009-2011
- Member of the Advisory Board of the 12th International Conference on Plasma Surface Engineering, September 13 - 17, 2010, Garmisch-Partenkirchen, Germany
- Member of the Scientific Committee of the XX European Conference on Atomic and Molecular Physics in Ionized Gases (ESCAMPIG), Novi Sad, Serbia, 2010

- Member of the International Programme Committee of the 24th SPPT-Prague 2010 (and of 23rd Symposium on Plasma Physics and Technology (SPPT) - Prague 2008)
- Co-chair of 15th Conference of Plasma Physics and Applications (15th CPPA) July 1-5, 2010, Iasi, Romania (and co-chair of 14th CPPA, 14-18 September 2007, Brasov, Romania)
- Co-organizer of the E-MRS Symposium Q: Laser and plasma processing for advanced materials, Strasbourg, 2009
- Member of the Scientific Committee of the 17th International Colloquium on Plasma Processes (CIP)-June 2009, Marseille
- Workgroup Leader and member in the Management Committee in the COST 527 Action “ Plasma Polymers and Related Materials” (2000-2005)
- Expert evaluator of projects in the frame of the European Programmes FP6, FP 7 and National Science Foundation, USA