

CV Giovanni Marletta

(2016)

1.1 ACADEMIC POSITION

Giovanni MARLETTA was born in 1953.

- 1980-1983, Research Fellow at Surface Science Laboratory, University of Catania.
- 1984-1992, Assistant Professor of Physical Chemistry, University of Catania.
- 1989-1992, Lecturer of Physical Chemistry at University of Messina.
- 1992-1994, Associate Professor at University of Calabria (Cosenza).
- 1994 - 1996, Full Professor of Physical Chemistry at University of Basilicata (Potenza).
- 1996 - present, Full Professor of Physical Chemistry at University of Catania.

SCIENTIFIC SOCIETY FELLOWSHIPS

- 1992 - 2000, Member of the Board of Directors of the Division of Physical Chemistry of the Italian Society of Chemistry (S.C.I.).
- 1999 – present - Member of the Executive Committee of the European Materials Research Society (E-MRS).
- 1999 – 2000 - Vice-President of the European Materials Research Society (E-MRS) (years 1999-2000).
- 2000 – 2003 - President of the European Materials Research Society (E-MRS).
- 2004 – present - Fellow of the Royal Society of Chemistry (RSC, UK).
- 2013 – present - Member of the Senate - European Material Research Society (E-MRS)
- 2014 – present - Member Selection Committee - "The Japan Prize Foundation"
- 2015 – present - Member "IUMRS Commission on Membership Affairs" - International Union of Materials Research Societies (IUMRS)

1.2 - RESEARCH INTERESTS AND RESULTS

The overall research activity of G.Marletta in a temporal succession moved in the areas of:

- 1) **Interaction of biological systems with synthetic surfaces (1996 – present).**
- 2) **Nanotechnology, molecular surfaces and thin films (1999 – present).**
- 3) **Radiation-Matter Interactions (keV-MeV ions in polymers) (1981 – 2002).**

About 180 papers in International Journals, more than 80 Invited Lectures at International Conferences and Schools and about 250 oral and poster presentations in International Conferences. G.Marletta has coedited 7 Proceedings volumes on topics including Materials for Photonics, Ion Beam effects in Materials, Current Trends in Nanotechnology, Biofunctional Surfaces, etc... Furthermore, G.Marletta has also lectured along the years in many Academic and Industrial Institutions in many Countries, including USA, Germany, France, UK, Japan, Spain, Sweden, Belgium, Hungary, Brasil, China, India, Mexico, Canada and Italy.

Bibliometry in short:

SCOPUS Citations (November 2016): ~ 2690

SCOPUS H-index: 27

1.3 – Recent activities of research management

- 1996 – 2001 - Member of the Board of Directors of the Italian Targeted Project on “Special Materials for Advanced Technologies II” as Coordinator of the Sub-project on “Materials and Processes for Electronic, Optical and Electrochemical Applications”.
- 1998 – 2001 - Director of the Section of National Institute of Science and Technology of Materials (INSTM) at University of Catania (3 years term).

- **2002 – present - Promoter and Coordinator of the Laboratory for Molecular Surfaces and Nanotechnology (LAMSUN), University of Catania.**
- 2001 - 2014 - Member of the Board of Directors of the Consortium for the Development of Research in Optoelectronics (OPTEL InP).
- 2002 – 2006 – Director of the Italian Targeted Project on “Special Materials for Advanced Technologies II”, National Council of Research (CNR, Rome).
- 2002 - 2006 – Member of the Expert Advisory Group of EU Commission for the 6th Framework Plan - Priority topic 3 “Nanotechnology, Knowledge-based materials, Innovative Processes” (four-year term).
- 2003 – 2005 – Member of the Peer Review Panel of the Engineering Physical Sciences Research Council (EPSRC), UK (three-year term).
- 2003 – Member of the Review Panel for the NEST Program (IST priority, 6th FP).
- **2006 – present - President of the National Interuniversity Consortium for the Study of Large Interface Systems (CSGI) (Firenze, Italy).**
- 2007 – 2012 - Delegate of the University of Catania for the District of Microsystem and Nanotechnologies.
- 2008 – 2012 - President of the “Sicilian District of Micro- and Nanosystem” (Public Company involving University of Catania, University of Palermo, University of Messina, CNR, INAF, Sicilian Regional Government, private Companies based in Sicily).

1.4 –Scientific Committees of International Research Bodies

- 1991- 1997 - Member of European Committee for COST-Chemistry, D-5 Action: “Surface and Interface Chemistry”
- 1992 - 1993 - Advisory Committee for the E-MRS European network on “Surface Engineering”
- 1995 - 2000 - Member of the Scientific Committee of the French National Facility “Grand Accelérateur d’Ions Lourds” (GANIL), Section of “Physique des Ions Rapids”, Caen, France.
- 1996 - Scientific Committee of the Ion Beam Facility of Strasbourg (CNRS) “Laboratoire PHASE”, Strasbourg, France.
- 1997 - 1998 - Scientific Committee of the Laboratoire SRSIM-CEA, Saclay (France)
- 1999 - 2000 - Scientific Committee of the Laboratoire LSI-CNRS, Palaiseau (France)
- 2002- 2006 – Expert Advisory Group of EU Commission for the 6th Framework Plan - Priority topic 3 “Nanotechnology, Knowledge-based materials, Innovative Processes” (four-year term), Bruxelles, Belgium.
- 2003 – 2005 - Peer Review Panel for the Engineering and Physical Sciences Research Council (EPSRC), London, UK.

G.Marletta has also been member of about 15 panels or scientific committees of International and Italian Research Institutions for the evaluation of Projects and member of the scientific committee of 16 Laboratories and Research Institutes in Italy.

1.5 - MEMBERSHIPS OF EDITORIAL BOARDS

- 2002 – today - Member of the Editorial Board of “Journal Applied Biomaterials and Biomechanics” (Switzerland)
- 2003 - 2005 - Member of the Editorial Board of “Journal of Physical Chemistry and Chemical Physics” (three-year term, Royal Society of Chemistry, UK,)
- 2004 – 2006 - Member of the Editorial Board of “Journal of Applied Physics/Applied Physics Letters” (American Physical Society, USA)
- 2006 – 2008 – Member of the Editorial Advisory Board of “Journal of Adhesion Science and Technology” (VSH, The Netherland)

- 2006 - 2009 - Member of the Editorial Advisory Board of “Journal of Physical Chemistry and Chemical Physics” (three-year term, Royal Society of Chemistry, UK)
- 2009 – today - Member of the Editorial Board of “Advanced Biomaterials” (Wiley VCH, Germany)

1.6 - CHAIRMAN OF CONGRESSES, SCHOOLS, SYMPOSIA AND WORKSHOPS

G.Marletta has co-chaired and co-organized as much as 34 International Conferences, starting from 1991 till 2015, on Surface Science, Materials Science, Physical Chemistry of Materials, Radiation effects on solid surfaces, Surface Engineering, Nanoscience and nanotechnology, Biological Surfaces and Interfaces, Organic Electronics and Nanotechnology, Functional Biointerfaces, New applications of Ion Beams and other hot research topics, as autonomous organizer or in the framework of MRS, European MRS, IUMRS-ICAM, EURESCO, and EuChemS societies.

G.Marletta has also been member of the Scientific Committee of more than 35 International or Italian Conferences.

G.Marletta chaired several national and international advanced research project since 1990, managing (in overall) several millions of euro.