

**PROFESSOR GIOVANNI MARLETTA**  
**Short CV (2022)**

Full Professor of Physical Chemistry since 1994, currently at University of Catania.

The research interests include Physical Chemistry of Surfaces and Interfaces, Physical Chemistry of Microelectronics materials, Nanotechnology and Biosurfaces, Surface Engineering of Functional Materials, Radiation-Surfaces Interactions (particle and cold plasmas), Surface analysis techniques, including XPS, REELS, SIMS, Spectroscopic Ellipsometry, Near Field Microscopies (AFM, Force Microscopy, Kelvin Probes, etc...), Techniques to study adsorption processes at L/S interfaces, including QCM-D, SPR, L-SPR.

Author or co-author of more than 200 papers published in international Journals (with more than 4,000 citations,  $H_{\text{index}}=33$ ), has given about 100 Invited Lectures at International Conferences and Workshops in the last 15 years and is Coeditor of 11 books with contributed papers, mostly dealing with Nanoscience and Nanotechnology and Radiation Effects in Solids, for World Publishing Co. (1992), Elsevier (1996, 2000, 2001, 2002, 2003, 2004, 2005, 2006,2007), Materials Research Society (2011), etc.....

G.Marletta has been Member of several International Conferences Committees in the areas of Biological Surfaces and Nanotechnology, Radiation effect in Matter and Member of the Editorial Boards or the Advisory Board of Journal of Applied Biomaterials & Functional Materials (Wichtig, Italy). Past-member: J. of Physical Chemistry Chemical Physics (PCCP) (RSC, UK); J.of Applied Biomaterials and Biomechanics (JABB, Switzerland); J. Applied Physics/Applied Physics Letters (American Physical Society, USA), J. Adhesion Science and Technology (JAST); Advanced Biomaterial in Advanced Engineering Materials (Wiley).

G.Marletta is, since 2003, Fellow of the Royal Society of Chemistry (UK); he is currently Past-President of the Physical Chemistry Division of Italian Society of Chemistry (SCI), Vice-Chair of the Physical Chemistry Division of the European Chemical Society (EuChemS), Member and President of the Senate of the European Materials Research Society (E-MRS), President of the National Interuniversity Consortium for the Study of Large Interface Systems (CSGI), Coordinator of the Laboratory for Molecular Surfaces and Nanotechnology (2002-present, Catania, Italy) and Coordinator (as rector delegate) of the Nanotechnology Laboratory of the University of Catania (at BRIT Center).

G.M. has been President of the European Materials Research Society (E-MRS, from 2000 until 2003), and then member of the Executive Committee and Senate of the European Materials Research Society (2004-today); Director of the Targeted Program “Special Materials for Advanced Technologies II” (CNR) (1999-2003); Member of the UE Expert Advisory Group for “Nanotechnology, Knowledge-based materials, Innovative Processes” for the 6<sup>th</sup> Framework Plan (2002-2006), President of the “Sicilian District of Micro and Nanosystems” (2008-2013).

Coordinator or Partner of several Italian National Programs as well as European Research Projects in the fields of Biosurfaces and Surface Engineering, he also served in many International Peer Review Boards for Research Program evaluation, including the National Committee for Chemical

Sciences of CNR, Italy, the European Committee for COST-Chemistry, D-5 Action: “Surface and Interface Chemistry”; the Scientific Board of GANIL, Section of “Physique de la Matière Condensée”; the Evaluation Panels of SRSIM-CEA – Saclay, France and LSI-CEA-CNRS – Palaiseau, France; the Monitoring panel for MELARI-NID Program (IST Program, EU, Bruxelles); the Peer Review Panel of the Engineering Physical Sciences Research Council (EPSRC, UK,); the Review Panel for the NEST Program (UE, IST priority, 6<sup>th</sup> FP. Several PRIN (Italian) Programs. He has also been member of the Scientific Board of about 15 Italian and foreign Research Institutes.