Prof. Mariano Venanzi

CURRICULUM VITAE

BIOGRAPHY AND PROFESSIONAL POSITIONS HELD

Mariano Venanzi, Ph.D., is full professor of Physical Chemistry at the University of Rome 'Tor Vergata' since March 2019. He was senior reasercher from 1989 to 1998 and associate professor from 1998 to 2019 at the same University. He has been guest researcher at the University of Newcastle upon Tyne (U.K.), at the Max Planck Institut fur Stromungforschung in Göttingen (Germany), at Melbourne University, Melbourne (Australia), at the Center for Genetic Engineering and Biotechnology of Havana (Cuba).

The scientific activity of Prof. Venanzi focused on the study of the photophysical properties of biomolecules in solution and in organized phase (liposome, vesicles, membranes). In particular, he studied the mechanisms of electron transfer processes in biomimetic systems and the mechanisms of permeabilization of membrane models (vesicles, liposomes) by antimicrobial peptides. Recently, his scientific interest shifted to the design and characterization of bio-hybrid materials, based on the deposition of self-assembled monolayers of helical peptides, functionalized by fluorescent molecules and photophysical probes on metal surfaces.

He is author and co-author of more than 190 papers on international peer reviewed journals. He held seminars and invited talks at the University of Bologna, Perugia, Padova, Catania, Ecole Normale Superieur in Paris, Technical University of Prague, Bielorussian Academy of Sciences, Melbourne University, Universidad de Coimbra, Tel Aviv University, Universidad de la Habana, and at national and international conferences.

Funded Italian projects: FISR2001, PRIN 2001, PRIN2003, PRIN2006, PRIN2008, PRIN2010-2011.

Funded European Projects: Toxin determination in food (FP6), NATO project (UTOV, Technical University of Prague, Byelorussian Academy of Sciences), IRSES programs with Melbourne University and Oak Ridge Laboratory (USA), RISE Horizon 2020 (NANOSUPREMI, PEPSAMATE).

He is referee for scientific journals published by American Chemical Society, Wiley, Elsevier, Royal Society of Chemistry.

H-Index: 29, cit.: > 2900 (May 2021)

TEACHING ACTIVITY

He teaches Physical Chemistry for the curricula in Cellular and Molecular Biology (advanced degree), Physical Chemistry III for the curriculum in Chemistry (first degree) and Nanoscience (Chemistry Laurea Magistrale (second degree).

ACADEMIC DUTIES

Board of the Physical Chemistry Division (Italian Chemical Society) for 2006-2009

Chair of the School of Chemistry at the Faculty of Science (UTOV) for 2007-2015

Chair of Italian Chemical Society – Lazio Section (2017-2019)

Chair of the School of Applied Chemistry (2018- today)

Board of the Physical Chemistry Division (Italian Chemical Society) (2019-today).

ORGANIZATION OF SCHOOL AND CONFERENCES

2010- Strasbourg (France)- EMRS Spring Conference. Symposium on 'Peptide-based materials: from nanostructures to applications'

2010- Rome (Italy) Nano2010 - X Int. Conf. on Nanostructured Materials

2013- 'Peptide materials: from biomedicine to nanostructures' (PEPMAT) Sorrento (Italy)

2018 - 'Peptide materials: from biomedicine to nanostructures' (PEPMAT3) London (UK)

2019 - XLVII Conference of the Physical Chemistry Division of the Italian Chemical Society.

2019 – Workshop 'Smart Peptide Chemistry for next generation industry for a sustainable society' Salerno (Italy)

AFFILIATIONS

He is member of Italian Chemical Society (Physical Chemistry Division), European Materials Research Society, European Peptide Society.