

ANGELA AGOSTIANO

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Curriculum

Personal informations:

degree in chemistry in 1975

Status: Full professor at the University of Bari

Scientific appointment

- Postdoctor at the laboratory of prof. F.K. Fong , Chemistry Department, Purdue University, West Lafayette, Indiana (USA) (1985- 1987)
- Invited guest at the laboratory of prof. R. Carpentier, "Centre de Recherche in Photobiophysique" Université du Quebec a Trois Revieres-Canada (1990).

Academic appointment

- President Elected of SCI (Italian Society of Chemistry) for 2017-2019
- Head of the Bari division of the CNR-IPCF (Institute for fisico-chemical processes)
- Member of the Board of Physical Chemistry Division
- Member since 2009 of the scientific board of the INSTM, National Institute Material Science and Technology
- Member of Academic Board of the University of Bari
- Delegate of the Rector of the University of Bari for the doctorate and post-doctorate policy
- Component of the Board of Directors of the District of High Technology. (DHITECH)
- Member of group of evaluators (GEV) of ANVUR (National Agency of Evaluation)
- Member of the Committee (CDS) for Italian Grant "PRIN"
- Expert Evaluators Panel for FP6-2002-NMP-1
- Expert Evaluator Panel for FP7 P7-NMP-2010-LARGE-6
- Peer reviewer for high impact journals (JACS, J.Phys.Chem, Chemistry of Materials, APL, Langmuir)

Research management and other scientific activities

- Italian Scientific responsible of the "Vigoni Project" of cooperation between Germany and Italy
- Italian Scientific responsible of a cooperation project between Hungaria and Italy
- responsible "Photocatalytic degradation of organic pollutants in aqueous solutions by nanostructured semiconductors" Explorative Project funded by Apulia Region within the Scientific Research Framework Program 2006
- Scientific local responsible "Nanostructured materials for optoelectronic and environmental application" MIUR programme (ref n. 232 n. 1105 9 October 2002) 2004-2006
- Scientific local responsible of SYNthEsis of novel oRGanic materials and supramolecular architectures for high efficiency optoelectronic and photonic systems (SYNERGY) MIUR FIRB programme (ref. RBNE03S7XZ FIRB 2003 D.D. 2186) 2005-2007
- Scientific local responsible of MICROPOLIS "Polymer based microsystems" MIUR FIRB programme (in collaboration with CNR Institute of Microelectronics and Microsystems Lecce Division.) 2003-2005
- Scientific responsible "Design and development of novel sensor via immobilization of enzymes and cells on nanostructured" Progetto Finalizzato CNR programme 1998-2001
- National coordinator of the national research program PRIN 2006 "Nanoscale self-assembled porphyrin based complexes: properties and technological applications
- National coordinator of the national research program PRIN 2008 ""Biomolecules as starting materials for multifunctional hybrid architectures for sensing, energy conversion and biomedical applications"
- Participant to the Cost action D43 Colloid and Interface Chemistry for Nanotechnology"
- Participant to FP6 Integrated Project NaPa "Emerging Nanopatterning Methods"
- Partecipant to "Sens&MicroLab" Network of laboratories for "Innovative sensors and microsystems in aeronautic field" within the frame of Regional Framework Program for Scientific Research (Italy) 2009-2014
- Participant to FP6 STREP Project "Novopoly, Novel functional polymer materials for MEMS and NEMS applications.
- Partecipant to "ORION" "Ordered Inorganic-Organic Hybrids Using Ionic Liquids For Emerging Applications" EU FP7 NMP-2008-Large-2 NMP-2008-2.4-

PRESENT SCIENTIFIC INTERESTS:

- preparation and characterization of nanosized semiconductors for photochemical, environmental and sensing applications
- Assembling of nanocrystals in organized structures, incorporation in polymer matrix and their characterization from spectroscopical, structural, morphological and photo-electrochemical points of view;
- Photochemical, electrochemical and photoelectrochemical studies of the processes involved in the photosynthetic systems
- Isolation, reconstitution and chemical-physics investigation of biomaterials involved in biological energy transduction and molecular recognition.

This activity is documented by:

- more than 220 Publications in International Scientific Journals, H-index = 39
- more than 200 Communications to National and International Congresses (37 invited)
- 11 Cover Pages in International Scientific Journals