

## CURRICULUM VITAE

**Prof. Fausto Puntoriero**

Dip. ChiBioFarAm, Università degli Studi di Messina

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Fausto Puntoriero since December 30, 2014 is Associate Professor (CHIM/02 – Physical Chemistry) at the Dip. di Scienze Chimiche Università degli Studi di Messina. In 2016 he received the qualification to function as full professor in Italian Universities (03/A2- Physical Chemistry, 03/B1 Inorganic Chemistry and 03/B2- Chemical Fundamentals of Technologies). From December 29, 2009 to December 29, 2014 was researcher (CHIM/02 – Physical Chemistry) at Dipartimento di Scienze Chimiche, Università degli Studi di Messina.

- In 2010 he received the Young Researcher Award for the scientific production of the year 2007.

- From February 15, 2007 to December 2008 he was senior research fellow, at the Dipartimento di Chimica Inorganica, Chimica Analitica e Chimica Fisica, Università degli studi di Messina (Italy).

- From January 01, 2006 to December 31, 2006, he was senior research fellow, Dipartimento di Chimica “G. Ciamician”, Università di Bologna (Italy) Supervisor: Prof. Vincenzo Balzani.

- From January 15, 2002 to December 31, 2005, he was senior research Dipartimento di Chimica Inorganica, Chimica Analitica e Chimica Fisica, Università degli studi di Messina (Italy) Supervisor: Prof. Silvio Sammartano.

Prof. Puntoriero has been the Principal Investigator of research projects for Giovani Ricercatori and PRA (Progetti di Ricerca d'Ateneo, Università di Messina):

- During 2002 He was “Principal Investigator” of the project: “Progettazione e studio di nuovi sensori luminescenti per applicazioni in campo ambientale” (Design and study of new luminescent sensors for applications in environment field).

- 1998-2002 - PhD student, Dipartimento di Chimica Inorganica, Chimica Analitica e Chimica Fisica, Università degli studi di Messina (Italy). Supervisor: Prof. Sebastiano Campagna. The February 18, 2002 the proponent gained his PhD discussing a thesis on: “Verso una possibile conversione fotochimica dell'energia solare. Nuovi sistemi artificiali multicomponenti foto- e redox-attivi” - (Towards a possible photochemical conversion of the solar energy. New multicomponent artificial systems photo- and redox- actives).

- 28 July 1998 - Bachelor in Chemistry, Università di Messina (Italy).

### Special schools and courses:

- From 12 to 16 June 2002 he attended the “Summer School in theory and experiment in ultrafast processes”, Vilamoura, Algarve, Portugal

- From May 2001 to June 2001 he attended the “Photochemistry and Photobiology School” at the Vrije Universiteit Amsterdam (Free University of Amsterdam).

- In September 1998 he attended the “I Scuola Nazionale di Fotochimica”(First National Photochemistry School) in Bologna (Italy).

Since 2013 he has been teaching the "Ultra-fast Spectroscopy" course at the School of Photochemistry at the University of Bologna every 3 years.

### Research and Experience:

- 01/2002 Visiting PhD student to Femtochemistry laboratory, Chemical Physics Chemical Center University of Lund (Sweden); Supervisor: Prof. Villy Sundström.

- From 03 to 07/2001 Visiting student researcher to Molecular Photonic Materials laboratory, University of Amsterdam (The Netherlands); Supervisor: Prof. Luisa de Cola.

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- Until december 2011 he was secretary and treasurer of “Gruppo Italiano Fotochimica” (GIF-Italian section of European Photochemistry Association) and member of the “Società Chimica Italiana” – (Italian Chemistry Society).
- In 2011 was chairman of the Congresso Nazionale di Fotochimica
- Secretary of II Edition of Mediterranean Meeting on Photochemistry, (MMP) International Meeting in Giardini Naxos (Italy) from 28 June to 2nd July, 2003.
- He was in the organizing committee of the XIII International Symposium on Photochemistry and Photophysics of Coordination Compounds (ISPPCC) Lipari (Italy) - 1999.
- He has been a team member in several national and european research projects, for example: (i) MIUR-PRIN no. 20035553: Dispositivi molecolari per la raccolta, la conversione e l'immagazzinamento dell'energia luminosa, 2003-2005; (ii) TMR-Research Project ERB-FMRX980226.

### **Expertise:**

He has experience in the design, synthesis, redox, photochemical and photophysical properties of supramolecular systems, such as polynuclear compounds linked by bridging ligands, dendrimers, hybrid systems, ... In general, the purpose of the work has been the development of functional systems able to respond to an external stimulus such as light or electrons (mimicking artificial photosynthesis or for application in optoelectronic devices) and the study of their photophysical and electrochemical properties using steady-state and high resolution time-resolved optical spectroscopy (UV-vis-near IR Absorption Spectroscopy, Steady-State Fluorimetry, Streak Camera, Single Photon Counting, nano- and Femtosecond Laser Spectroscopy...) and cyclic and differential pulsed voltammetry.

In 2014 Fausto Puntoriero have been added to the Top Italian Scientists list by VIA ACADEMY. ([http://www.topitalianscientists.org/top\\_italian\\_scientists\\_VIA-Academy.aspx?Cerca=puntoriero](http://www.topitalianscientists.org/top_italian_scientists_VIA-Academy.aspx?Cerca=puntoriero))

The research activity is documented by more than 115 scientific publications in international refereed journals and participation in over 50 national and international conferences presenting contributions whether oral also as keynote or Plenary invited speaker.

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