

# Professore emerito Università Statale

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## STEFANO MAIORANA

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AREA DISCIPLINARE  
CHIMICA ORGANICA

DIPARTIMENTO  
CHIMICA

ANNO DI NOMINA  
2011

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## NOTA BIOGRAFICA

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- **1961** "LAUREA" in Industrial Chemistry, appointment at the University of Milan
- **1967** "LIBERA DOCENZA" in Organic Chemistry
- **1969** NATO Fellow at Ohio State University
- **1973** NATO Senior Fellow at OSU
- **1975.** Full Professor in Organic Chemistry at the University of Milan
- **1996 - 2007** Visiting Professor at the University of Oviedo; at Ecole Nationale Supérieure de Chimie de Paris ; at Tokyo University of Science
- **2001-2006** Group leader for "Novel Technologies of HTS2 within an Excellence Centre of the University of Milan
- **2001- 2004** President of the "*Organic Chemistry Division*" of the Italian Chemical Society
- **2005-2008** Director of the Department of Organic and Industrial Chemistry at the University of Milan; Member of "Senato" of the University of Milan
- **2007** Member of the Istituto Lombardo Accademia di Scienze e Lettere. **2014** Vicepresident of the same Accademia
- **2011** CEO of CISI-SCARL the incubator arising from the already mentioned excellence center of the University of Milan
- **2011** Professor Emeritus at University of Milan

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CONTATTI  
Prof. Stefano Maiorana

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- **2015** CEO of a chemical SME, Promidis srl at San Raffaele Hospital, Milan
- **Awards** : the 1967 *Istituto Lombardo* award "*Corrado Fuortes*", for the best Italian work in organic synthesis; the 2004 award of the Italian Chemical Society for his researches in organometallic chemistry; the 2007 award of the Japanese Society for the development of Science (JSPS)
- **Scientific interests**: organic and organometallic synthesis methodologies. Asymmetric synthesis. Solid-phase organic synthesis. Peptide Nucleic Acids (PNA); sulphur based heterocycles as molecules with specific functions (NLO, catalysis, photosensitisers for solar cells)
- **Publications and Patents** More than 190 scientific papers ( 5 review articles), more than 40 patents mostly in collaborations with chemical companies in the field of biologically active compounds/new and patentable, synthetic methodologies for known active

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PUBBLICAZIONI PRINCIPALI

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- Alberto Bossi, Luigi Falciola, Claudia Graiff, Stefano Maiorana, Clara Rigamonti, Antonio Tiripicchio, Emanuela Licandro, Patrizia Romana Mussini, "Electronic properties of thiahelicenes: structure effects, electrochemical activity and electrooligomerization ability". *Electrochimica Acta*, 2009, 54 ,5083-5097
- Giuseppe Prencipe, Stefano Maiorana, Paolo Verderio, Miriam Colombo, Paola Fermo, Enrico Caneva, Davide Prospero and Emanuela Licandro, "Magnetic Peptide Nucleic Acids for DNA targeting". *Chem. Commun*, 2009, 6017-6019.
- Choongik Kim, Tobin J. Marks, Antonio Facchetti, Michele Schiavo, Alberto Bossi, Stefano Maiorana, Emanuela Licandro, Francesco Todescato, Stefano Toffanin, Michele Muccini, Claudia Graiff and Antonio Tiripicchio, "Synthesis, Characterization, and Transistor Response of Tetrathia-[7]-Helicene



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DI MILANO

LA STATALE



Precursors and Derivatives” Organic Electronics, 2009, 10, 1511-1520

- Maiorana S., Licandro E., Baldoli C., Prencipe G., Ferri E., Donghi D., Panigati M, D’Alfonso G., D’Alfonso L., “PNA-rhenium(I) organometallic bioconjugates for DNA targeting”. JBIC, 2009. 14; (Supplement 1) ICBIC XIV, S92.
- Elena Ferri, Daniela Donghi, Monica Panigati, Giuseppe Prencipe, Laura D’Alfonso, Ivan Zanoni, Clara Baldoli, Stefano Maiorana, Giuseppe D’Alfonso, and Emanuela Licandro, “Fluorescent Conjugates Between Dinuclear Rhenium(I) Complexes and Peptide Nucleic Acids (PNA) for Cell Imaging and DNA Targeting”. Chem. Commun, 2010, 46, 6255-6257.
- Fabio Fenili, Alberto Bossi, Paolo Ferruti, Amedea Manfredi, Stefano Maiorana, Clara Baldoli, Silvia Cauteruccio, Emanuela Licandro, Elisabetta Ranucci, “Synthesis of Polymers Containing Regularly Distributed Tetrathia-[7]-Elicene Units Along the Backbone”. Journal of Polymer Science, Part A, 2010, 48, 4704-4710.