

Born in 1972, he studied in Milan where he received his Degree in Chemistry in 1997 and his PhD in Industrial Chemistry in 2000, with periods as visiting researcher in France, Russia, Spain, the Netherlands and India. Research Scientist at the Institute of Molecular Sciences and Technology (ISTM), CNR, Milan since 2001.

His work deals with the study and development of heterogeneous catalysts for the synthesis of fine chemicals, the design of single-site nanostructured catalysts for the transformation of high added-value molecules, the exploitation of terpenes and fatty acid derivatives for the production of industrial intermediates, the use of nanosized solids for advanced materials and the degradation of highly toxic chemicals.

He is author (or co-author) of 106 scientific publications and some 150 communications at international congresses.

Key Expert for the EU Chemical Biological Radiological Nuclear Risk Mitigation Centre of Excellence, for activities in South-East Asia (8 countries).

International Director of NATO Science for Peace and Security “NanoContraChem” Project (Italy-Ukraine) on the study of innovative decontamination systems for toxic chemicals. Coordinator of a CSIR-CNR India-Italy bilateral research programme on oxide catalysts for the exploitation of oleochemicals.

Collaborations with Univ. Eastern Piedmont (ITA); Univ. of Poitiers (FRA); Boreskov Inst. Catalysis, Novosibirsk (RUS); Univ. Zaragoza (SPA); Academy of Sciences, Kiev (UKR); TUD, Delft (NL); National Chemical Laboratory, Pune (IND).

He is Fellow of the Academy of Sciences of the Institute of Bologna. Member of the Italian Society of Chemistry (treasurer of the Lombardy section 2000-2016) and the American Chemical Society.

Officer enrolled in the ACISMOM Military Corps – Auxiliary of the Italian Army (reserve forces).

He was awarded the IX National Prize Federchimica, (2nd section) in 1996 and the Italian Chemical Society the “Chiusoli” Gold Medal for Industrial Chemistry in 2014, and the “Marotta” Gold Medal for ethical use of Chemistry in 2017.

He is married, with two daughters.