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- Post-doctoral researcher. Department of Chemistry, Princeton University, USA. Supervisor: Prof. Roberto Car. (2000 - 2001)
- PhD in Theoretical Inorganic Chemistry. University of Perugia, Italy. Supervisor: Prof. A. Sgamellotti. (1999)
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2007 recipient of the Raffaello Nasini Gold Medal of the Italian Chemical Society. 2010 recipient of CNR Award for strategic research. 2011 recipient of StartCup Award Regione Umbria, for the best business enterprise with the proposal "TECHNOSOLART". From 2017 Fellow of the European Academy of Sciences.

Project leader of FP7 - ENERGY - 2010 project 261920 - ESCORT: Efficient Solar Cells based on Organic and hybrid Technology, CNR - EFOR: Energia da Fonti Rinnovabili (2011-2015) and IIT- SEED 2009 - HELYOS: High performance modeling of hybrid/organic solar cells understanding the mechanism, improving the efficiency.