

Education and training

1997 she obtained her MsC degree (Laurea) in Chemistry at the Università Statale degli Studi di Milano.

2000 she obtained her PhD in Chemical Science at the Università Statale degli Studi di Milano.

2001-02 post-doc position at the Dep. of Biotechnology and Bioscience of the university of Milano-Bicocca. Scientific supervisor of industrial research projects (Pharmacia-Nerviano Medical science, Novuspharma).

2002-04 post-doc fellow at the same university: design and synthesis of glycomimetics, in particular iminosugars of biological interest.

From 1998 to 2002 she participates to many advanced international courses and school on Organic Chemistry and on Carbohydrate Chemistry.

Employment and Research Experience

Present position Associate Professor of Organic Chemistry at the department of Biotechnology and Bioscience at the University of Milano-Bicocca.

From 2004 to 2014 she has been assistant professor of organic chemistry at the same university.

Since her MsC thesis the research activity has been focused on the design and synthesis of compounds of biological interest, with main interest towards compounds with a saccharidic structure, in particular glycomimetics, iminosugars, C-glycosides and glycoposphonates. In particular new synthetic procedures for the synthesis of iminosugars and iminosugar libraries have been set up. Glycomimetics have been also developed as scaffolds for the spatial orientation of selected pharmacophores. **More recently**, the research interest has spread to the development of novel compounds with binding properties towards amyloidogenic peptides among which amyloid β peptides, and to the **functionalization of nanoparticles for the diagnosis and therapy of Alzheimer** and other disease. The scientific activity has led to the production as author/coauthor of 73 among original and review articles on international peer reviewed journals, 10 book chapters, 7 patents, 1 plenary and 2 keynote lectures at national and international congress, 13 oral communications and more than 100 poster communications to national and international congress.

Professional Appointments

1998-99 Scientific Secretary of "ECCDR1" (1st EuroConference on Carbohydrate in Drug Research), Stintino (Sardegna - Italia). 2007 Scientific Tutor within the program "Sovvenzione Globale Ingegno". Financed by Regione Lombardia.

2012 Member of the PhD examination committee in Chemistry and Pharmaceutical Technologies (XXIV cycle), University of Pavia. 2013 Member of the PhD examination committee in Chemistry at the university of Aveiro (Portugal). Member of the COST action COST CM1102.