

## **Giancarla Alberti – Curriculum Vitae**

Giancarla Alberti was graduated in Chemistry with first-class honors at the University of Pavia on 05.10.1993. In the same year, she passed the National examination, enabling her to exert a Chemist's profession.

From 1993 to 1996, she had some collaboration contracts with the Analytical Chemistry Laboratory of the Department of General Chemistry of the University of Pavia.

In December 1999, she graduated with a Ph.D. in Chemical Sciences from the University of Pavia, with a doctoral thesis entitled "Solid sorbents for metal-ions: characterization and applications in analytical chemistry," with Prof. Teresa Soldi as a supervisor.

From 1999 to 2002, she had some contracts with different public and private research centers. She became a researcher in Analytical Chemistry at the Faculty of Mat. Phys. Nat. Sciences of the University of Pavia on 01.02.2002, then associate professor on 11.05.2015.

Her research focused on investigations of biphasic equilibria between metal-ions solutions and solid sorbents of various natures (ion exchange and chelating resins, molecularly imprinted polymers (MIPs), and biosorbents), speciation of trace metal ions in different matrices, and development of electrochemical and optical sensors/methods.

She attended two field experiences in the Adriatic Sea, in August 2003 and April 2004, about the project: "IMTEC: In situ monitoring of trace metal speciation in estuaries coastal zones in relation with the biogeochemical processes."

From 01.06.03 to 30.09.03, she had a professional stay at the CABE (Chimie Analytique et Biophysicochimie de l'Environnement) University of Geneva (Swiss) - Prof. Jacques Buffle. The topic of work: "The application of PLM (Permeation Liquid Membrane) technique to metal speciation in waters."

From 2005 to 2010, she had several professional stages at the Departament de Quimica - ETSEA - University of Lleida (Spain) - Prof. Josep Galceran. The topic of work: "Development of the electrochemistry technique AGNES (Absence of Gradient and Nernstian Equilibrium Stripping) for monitoring the free metal concentration."

The scientific activity of Giancarla Alberti is documented in more than 100 papers published in international journals (*h index* 25, citations 1975 by Scopus and *h index* 31, citations 2859 by Google Scholar).

From 2020 to 2023, she was a member of the editorial board of "*International Journal of Environmental Research and Public Health*" (MDPI); since 2023, she has been a member of the editorial board of "*Chemosensors*" (MDPI), "*Polymers*" (MDPI) "*Frontiers in Chemistry- Analytical Chemistry*" (associate editor), "*Frontiers in Analytical Science-Environmental Analysis*" (associate editor) and "*Frontiers in Environmental Chemistry-Environmental Analytical Methods*" (reviewer editor).