



## RAFFAELA BIESUZ

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**Prof. Raffaella Biesuz** graduated in Chemistry at Pavia University in 1988; in 1993 she obtained the PhD degree in Chemical Sciences in Rome, defending a thesis titled "Characterisation of chelating resins for separation of metallic species from water solutions".

In the following years, she continued her research activities in the field of analytical chemistry having a position in the University of Pavia as a member of the technical staff.

In 1995 R. Biesuz became Researcher at the Faculty of Mat. Phys. Nat. Sciences of the University of Pavia and since then she has worked in the Department of General Chemistry (now Department of Chemistry).

On July 2010 she got the title of Associate Professor, and on 29.12.2010 she got the position at the University of Pavia.

From November 1988 to July 1989 she had spent a research period with a grant at the Royal Institute of Technology of Stockholm.

She was associated investigator of Research Unit Program PRIN funded in 2000, 2002, 2005 and 2014.

She has been the project director of Unit Pavia II of PNRA (Antarctica National Research Program) of ENEA for the period 2006-2007.

The main research interests were and still are the biphasic equilibria between solid sorbents and aqueous solutions of different compositions, with particular attention to the thermodynamic studies on sorption of heavy metal ions from water media and application in the field of environmental and food chemistry.

In these last years, her interest moved to specifically designed receptors and development of optical sensors for selective determination of species of interest. The basic idea is to develop cheap devices suitable for in-situ application and specifically design sensors for very selective determination.

The scientific activity of Raffaella Biesuz is documented by more than 80 papers published on international journals and participation to national and international meetings.