

Silvia Maria Ronchetti was born in Torino, Italy in 1966. She graduated in Industrial Chemistry in 1992 at the University of Torino and obtained her PhD from the Politecnico of Torino in 1997 discussing the thesis: "Study of oxide systems: superconducting ceramics at high  $T_c$ ". Since December 2001 S.M. Ronchetti is Confirmed Assistant Professor of Chemistry at the Science and Chemical Engineering Department of Politecnico of Torino. She currently teaches both "Chemistry" to the freshmen students and "The X-ray Diffraction On The Materials" at the PhD level, at the Politecnico of Torino. S.M. Ronchetti has worked in the field of ceramic oxides, with a special interest towards superconducting and ion conducting systems for several years. Currently her main scientific interests are: a) the synthesis of metal ceramic composites and their chemical and physical characterisation; b) the characterisation of nanocomposite materials based on layered silicates dispersed in a polymeric matrix; c) the physical characterisation of drugs after their modification in order to enhance the oral bioavailability; d) the X-ray diffraction characterisation of several systems by means conventional diffraction and microdiffraction techniques; e) SAXS (small angle x-ray scattering) characterization of nanostructured materials.

Scientific activity is attested by the publication, as co-author, of 53 articles in peer-reviewed international scientific journals, 3 contributions to book chapters, 29 communications at national and international conferences, a patent and three didactic tests.

She is a member of CrisDi (Interdepartmental Research Center for the Development of Diffractometric Crystallography) and member of the scientific committee.

She is a member of the Italian Chemical Society and a member of the Board of Directors of the Piedmont Valle d'Aosta Section of the SCI for the three-year period 2020-2022.

She lives in Turin, with her husband and their four children.

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