Antonella **MACAGNANO** CV

Antonella Macagnano is a senior research scientist at the National Research Council (CNR) (since 2001). She graduated in Biological Sciences at the University of Lecce, Italy, and obtained a professional degree as Biologist. She got her Ph.D. in Sciences, Technologies and Biotechnologies for Sustainability from University of Tuscia in Viterbo, Italy. Mainly, her research activities have concerned the study, design, characterization and optimization of chemical (nanostructured electrospun polymers and ceramics, metallo-porphyrins, cavitands and metallo-oligomers) and biological membranes (oligopeptides, bio-polymers) for selective interactions with both gases and volatile organic compounds. Since 2008, she has been the leader of a CNR job-order called "Bio-inspired sensor systems and technologies for space and human health safety" within the Institute for Microelectronics and Microsystems (CNR) in Rome. She has been involved in several international and national research projects focused on the design, improvement and implementation of sensor devices for health, environment and agri-food industries. Since 2014 she has been conducting her research activity, within the Institute of Atmospheric Pollution Research (IIA-CNR) in Rome, leading the Research Area focused on "High performance sensors and sensor systems for monitoring air quality and the environment".