

Barbara Mecheri
Curriculum vitae

Barbara Mecheri is Assistant Professor at the Department of Chemical Science and Technology of the University of Roma Tor Vergata.

She received her Master degree in Chemistry at the University of Florence (Italy) and PhD in Materials Science at the University of Catania (Italy). She has been Post-Doc researcher at the University of Tokyo (Japan), under the frame of the Italy-Japan Joint Lab for Research on nanostructured materials for environment and energy.

She has been in charge of teaching and research at international research institutes: Institut National de la Recherche Scientifique-Varenes (Québec, Canada); Escola de Artes, Ciências e Humanidades, University of São Paulo (Brazil); Department of Engineering-Aarhus University (Denmark); Consejo Superior de Investigaciones Científicas (Zaragoza, Spain).

Her research interests are focused on the manipulation of matter in the micro- and nano-metric scale, including preparation, characterization and application of nanostructured molecular surfaces and materials: fuel cells and redox flow batteries, electrochemistry of energy conversion and storage devices, structure and transport properties in polymer electrolytes, nano-electrocatalysts; bioelectrochemistry, electrocatalytic properties of enzymes, bioelectrochemical systems for energy production and waste management.