

Prof. Manuela Scarselli obtained her degree in Physics at the University of Rome "La Sapienza" in 1991. She worked as graduate fellow at the Consiglio Nazionale delle Ricerche in Frascati (Italy) in 1992-1996, and as researcher from 1997 at the Department of Physics of "Tor Vergata" University (Rome, Italy). At present, she is Associate Professor in the same Department. She is in charge of the Surface Science and CarbonLab laboratories at "Tor Vergata" and expert of experimental techniques for the structural and electronic characterization of materials and surfaces as Scanning Tunneling Microscopy, Atomic Force Microscopy, X-ray spectroscopy. Her research focuses on the development of functional (nano)materials and their application in photodectors (quantum 2D materials, carbon nanotubes and carbon spheres), in sensors engineered on flexible substrates (graphene), in water purification (carbon sponges), in biomedical engineering (carbon sponges), and in energy storage (carbon nanotubes).