

## **Curriculum vitae Roberta Grazia Toro**

**Roberta Grazia Toro** (female) received her Ph.D. in Chemical Sciences from the University of Catania discussing a thesis on the "Synthesis of high dielectric constant thin films: study of the chemical vapour deposition processes". She is now researcher at the ISMN-CNR Institute. Dr Toro has published more than 60 refereed journal papers and serves as a reviewer for many international journals. She was involved in different national and European Projects. Her research interests mainly concern the field of inorganic chemistry and material science. Currently, her research activity is focused on the Synthesis of semiconductor metal oxide nanoparticles and study of photocatalytic properties under light irradiation; Doping of metal oxide nanoparticle with rare earth ions: study of their photoluminescence; Fabrication of novel surfaces with superhydrophobic/superoleophilic properties; design, synthesis, and characterization of innovative nanostructures such as oxide-based nanostructured thin films by the Metal Organic Chemical Vapor Deposition (MOCVD) technique.