

## CURRICULUM VITAE ET STUDIORUM OF M. NOCCHETTI

Morena Nocchetti was born in 1968. She graduated in chemistry at the Perugia University, Italy in 1994. In 1999 she obtained the Ph.D degree in chemistry in the same University with the thesis "Studies on the intercalation chemistry of the synthetic anionic clay and lamellar phosphate". In 2005 she became researcher of "General and Inorganic Chemistry" at Department of Pharmaceutical Sciences, University of Perugia. Since December 2015 she is Associate Professor of General and Inorganic Chemistry. Currently she teaches "General Chemistry" at the "Chimica e Tecnologia Farmaceutiche" at Department of Pharmaceutical Sciences of the Perugia University. She is member of the Excellence Centre "Innovative Nanostructured Materials for Chemical, Physical and Medical Applications" (CEMIN).

The scientific activity involves the preparation, the structural characterization and the study on the reactivity of layered double hydroxides (LDH) and zirconium phosphate and phosphonates. Many materials have been prepared and functionalized with species having specific properties as chromophores, drugs and pesticides. The obtained hybrids have been tested as catalysts, inorganic fillers for polymeric nanocomposites, systems for drugs release and have been studied for their photophysical and photochemical properties.

Novel functional materials have been obtained combining nanostructured architectures with zero and two-dimensionality. Particularly, nanospecies as metal nanoparticles have been supported or grown on LDH or zirconium phosphonates obtaining materials with unique advanced properties. These hybrids have applications in many technologically important fields such as catalysis, photocatalysis and biomedicine.

She is co-author of 87 scientific papers, 3 patents, monographs in scientific books, and more than 100 communications to national and international conferences.