

## CV – Prof. Delia Gazzoli

Graduated in Chemistry (summa cum laude) at the University of Rome "La Sapienza" in 1973, Delia Gazzoli is Associated Professor of General and Inorganic Chemistry since 1998. Since 2001 she is Associated Professor at the Department of Chemistry of the University of Rome "La Sapienza". She published more than 100 papers in international journals in the field of Solid State, Surface Chemistry and Catalysis and attended several international congresses. The main research interest is focused on solid state and surface chemistry of systems of relevant interest in the field of heterogeneous catalysis and materials science, consisting of transition metal oxides or metals supported on oxides with peculiar morphological and textural properties (zirconia, titania, alumina and mesoporous SBA-15). Recently, the scientific interest includes the characterization by Raman scattering of advanced materials (SAMs and CNT) of interest in the electrochemistry and bioinorganic fields. The most interesting results, obtained by the use of different complementary techniques such as XRD, DTA, TG, UV-vis spectroscopy, IR, ESR, XPS, Raman, include: i) the role of the morphological and textural properties of the support on the uptake and dispersion of the added species; ii) the influence of additives on some properties of the support; iii) the correlation between surface structure and catalytic properties; iv) the role played by Photoelectron Spectroscopy (XPS) in assessing both the nature and dispersion of the surface species. She is associated member of "Consorzio Interuniversitario Nazionale per la Scienza e Tecnologia dei Materiali" (INSTM) and of "Istituto per lo Studio dei Materiali Nanostrutturati" (ISMN) – CNR; member of PhD academic board in Chemical Sciences at the Chemistry Department. She undertakes research activities with groups of Italian (Cagliari, Ferrara, Bologna, Milano) and foreign (Universidad Nacional de La Plata - Argentina) Universities. She performs as reviewer for international journals in the field of solid state chemistry, surface chemistry and heterogeneous catalysis.

Teaching activities include the following topics:

- i) Methods of synthesis and characterization of inorganic materials with laboratory (post-graduated course in Chemistry)
- ii) General and Inorganic Chemistry with Laboratory (graduate course in Industrial Chemistry)
- iii) Principles of Raman Spectroscopy and applications in material science (lecture course for PhD Students)