

Curriculum docente: prof. Gaetano Malgieri

Current position

Gaetano Malgieri is Associate Professor of General and Inorganic Chemistry (disciplinary sector CHIM 03) at the Department of Environmental, Biological and Pharmaceutical Sciences and Technologies of the University of Campania "Luigi Vanvitelli".

Teaching activity

Professor Malgieri, since his admittance to the role of Confirmed Researcher (A.A. 2008/09), has covered various courses (S.S.D. CHIM/03) for the five-year Laurea course in Environmental Sciences, the Bachelor's Degree in Biological Sciences and in Biotechnology and at the Master's Degree in Sciences and Technologies for the Environment and the Territory and in Industrial and Food Biotechnologies. He currently teaches General and Inorganic Chemistry for the Bachelor's Degree in Biological Sciences, Pollutant analysis for the Bachelor's Degree in Environmental Sciences, Chemistry Didactics for the Bachelor's Degrees in Biological Sciences and Environmental Sciences and for the master Degree in Sciences and Technologies for the Environment and the Territory

Research activity

His research activities are focused on the development of new methodologies to study structure/function relationships in macromolecules of biological interest. In fact, the activity of Prof. Malgieri is centered, exploiting the skills acquired over the years, on the optimization of innovative approaches combining the data obtained using Nuclear Magnetic Resonance and other chemical-physical techniques (Circular Dichroism spectroscopy, Molecular Modeling, Molecular Dynamics) with molecular and biochemical techniques.

The results obtained have been reported in numerous international journals and communications at national and international conferences. Furthermore, Prof. Malgieri is the author of 6 structures resolved by Nuclear Magnetic Resonance, deposited in the Protein Data Bank (www.rcsb.org).