Prof. Antonino Giannetto: CURRICULUM VITAE

He graduated in Chemistry at the Faculty of Sciences of the University of Messina on 06/25/1980 with full marks and academic honors.

From 11/6/1983 he was appointed University Researcher (group 82) at the Department of Inorganic Chemistry and Molecular Structure of the Faculty of Sciences. Confirmed in the role since 11/6/1986.

Winner of a scholarship of the C.N.R, he spent a year at Swarthmore College in Philadelphia (Pennsilvania, U.S.A.) where he worked on supramolecular systems produced by the interaction of porphyrins and metallo-porphyrins with DNA.

In the academic years 1991/92, 1992/93, 1993/94, 1995/96, 1997/98 he was awarded the substitution of "Physical Chemistry" and of "Biological Physical Chemistry" for the Degree Course in Biological Sciences.

From 1 November 1998 he is associate professor for the C03X group of disciplines (now CHIM/03) in the teaching of "Inorganic Chemistry II Laboratory" for the degree course in Chemistry that he holds for four academic years. From the academic year 2001/2002 to the academic year 2008/2009 he is a lecturer in the teaching of "Computer methodologies for Chemistry" for the three-year Degree Course in Chemistry (ex 509), by the A.A. 2009/10 to the A.A. 2011/12 is professor of "Chemistry" for the Degree Course in Physics, from the A.A. 2010/11 to the A.A. 2012/13 is professor of "Elements of Physical Chemistry" for the three-year degree course in Chemistry, from 2013/14 to date is professor of "General Chemistry Exercises" for the three-year degree course in Chemistry and, from the 2001/2002 academic year to the present of the teaching of "General and Inorganic Chemistry" for the three-year Degree Course in Biological Sciences (ex 509 and 270).

Scientific Activity

He is interested in the nucleophilic and photochemical reactivity of planar square complexes of the platinum triad, of the synthesis and reactivity of platinum and palladium complexes with ligands of biological interest. He then turned his attention to the study of non-covalent interactions between metal complexes and nucleic acids in general and with DNA in particular. The extent and modalities of these interactions have been studied and highlighted by different experimental methods such as UV-vis spectroscopy, fluorimetry, analysis of thermal denaturation, evaluation of the hydrodynamic effects of complexes on nucleic acid and kinetic effects of catalysis and of inhibition of nucleic acid on reactions affecting the metallic substrate. More recently he has turned his interest towards the transport and the modalities of the interaction of small molecules with particular square planar platinum compounds having some secondary dithiooxamides as ligands.