Short CV
Prof. Dr. Nicola SENESI

Professor of Soil Chemistry (since 1986) and Head of the Department of Agroforestal and Environmental Biology and Chemistry at the University of Bari. Courses taught: Soil Chemistry, Soil Science, Agricultural Chemistry, Wood Chemistry and Technology, Organic Chemistry, and General and Inorganic Chemistry. Visiting professor and/or scientist for various periods at universities in Canada, USA, Somalia, Indonesia, Switzerland, Argentina, Brasil, Venezuela and Colombia. Doctor Honoris Causa Institute National Polytechnique de Toulouse (INPT), France (2000), Fellow of American Society of Agronomy (ASA) (1995) and Soil Science Society of America (SSSA) (1996), Golden Medal (1994) and Honorary Member (2011) of Polish Soil Science Society. Currently President of Division VI-Chemistry and the Environment and Chair of the Subcommittee Biophysico-Chemical Processes in Environmental Systems of the Int. Union of Pure and Applied Chemists (IUPAC), President of the European Confederation of Soil Science Societies (ECSSS) and President of the Italian Soil Science Society (SISS). Previously, President of the Mediterranean Scientific Assoc. for Environ. Protection (MESAEP), President of the Int. Humic Substances Society (IHSS) and Chairman of Division II-Soil Properties and Processes of the Int. Union of Soil Science (IUSS). Currently Associate Editor of Geoderma, Soil Science, Pedosphere, Pure and Applied Chemistry (PAC), and CLEAN-Soil, Air, Water. Research is focused on fundamental and applied aspects of chemistry and biochemistry of organic matter from soils and other systems and materials, and its interactions with soil-applied organic chemicals and trace metals, by the use of advanced physico-chemical techniques and biochemical tools. Recently, physiological and antimutagenic effects of humic substances on plants, and implications of recycling organic wastes on soil fertility and crop production. Pioneered the application of fractal geometry to the study of molecular conformation and aggregation processes of natural soil organic colloids and the view of humic substances as natural nanomaterials. The results of his research are documented in about 350 scientific and technical papers and about 60 book chapters and invited reviews. Dr. Senesi has also co-edited 19 books and Proceedings Volumes. Citation report (Web of Science): 4198 times cited; h-index: 31.