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She is Director of the certified [Research Unit "Instrumental methods of Analysis-Environment"](#) of the Laboratory of Inorganic and Analytical Chemistry, Department of Chemical Sciences, NTUA. She is Chemical Engineer and received her Diploma and PhD “Doktor Ingenieur” from the Technical University Berlin. Since 1976, she has been Professor of Instrumental Methods of Analysis at the NTUA and teaches instrumental methods of analysis, environmental control and advanced inorganic chemistry to graduate and postgraduate students of the NTUA and has published 14 educational books. At 2015 she was nominated Emeritus Professor of NTUA.

Her research interests include speciation analysis of toxic compounds in the aquatic environment; environmental research and control on the quality of surface and ground waters by modern analytical techniques (ICP-MS, ICP-OES, voltammetry) and hyphenated chromatographic techniques; investigation into airborne particulate composition and particulates emitted from catalytic vehicles and burning of biomass; utilization of industrial byproducts in the laboratory and on a pilot-plant scale; and the production and characterization of superconducting powders and coatings.

She has published more than 250 scientific papers in international journals and conference proceedings and she has been the coordinator of 40 European and Greek research projects (newly a Horizon Project over recovery of scandium from Red Mud). She is/was the supervisor of 11 PhD and over 100 Diploma and Post-graduate Theses.

She has been visiting Professor at different Universities and Research Centers abroad, as TU Munich, BTU Cottbus, NRC Hahn-Meitner Institute Berlin, Environmental Research Center GSF at Munich and others. She cooperated/cooperates as consultant with different industries, as Bayer, Procter & Gamble, Aluminum of Greece, II-VI incorporated etc.

Furthermore she was Vice-President of the Greek Organization for Vocational Education and Training (OEEK) of the Ministry of National Education and Religious Affairs, as well as National Representative of the EEC-Project "Measuring and Testing, Improvement of Chemical Analysis". For 4 years she was the Head of the Section Chemical Sciences of the School of Chemical Engineering and for 15 years in the Board of the Center for Environment and Quality of Life, NTUA.

She has established since 1999 until today from the position of President/Vice-President, the **International Conference series IMA (Instrumental Methods of Analysis-Modern Trends and Applications)** www.ima2017.gr, which gather in Greece every 2 years the most important world known scientists in Instrumental Chemical Analysis.

Nowadays she is Scientific Responsible for the following three European Research Projects:

- 1. ENVCRM: Matrix reference materials for environmental analysis (EC , EURAMET, EMPIR)**
- 2. SCALE: Production of scandium compounds and scandium aluminum alloys from European metallurgical by-products (EC, Horizon 2020)**
- 3. AEROMET: Aerosol Metrology for Atmospheric Science and Air Quality (EC, EURAMET, EMPIR)**