

Dr Maria Itria Pilo – Curriculum vitae

Education

- Academic year 1987-88: Laurea cum laude in Chemistry, University of Sassari (Italy).
- 1992-1995: PhD in Agriculture Chemistry.

Academic experiences

- 1990-1992: research grant, National Research Council (CNR).
- 1997-1998: research grant (founded by Regione Autonoma della Sardegna), Department of Chemistry, University of Sassari.
- 1998-2002: research fellowship, Department of Chemistry, University of Sassari.
- Academic year 2003-2004: teaching contract, Instrumental Analytical Chemistry, degree course Restoring and Maintaining of Cultural Heritage, University of Sassari.
- 2004: research grant, Department of Chemistry, University of Sassari.
- 2005-today: Assistant professor in Analytical Chemistry, University of Sassari Department of Chemistry and subsequently Department of Chemistry and Pharmacy)
- Teaching activity in Analytical Chemistry courses for Chemistry, Biological Sciences and Biotechnology students.
- Tutor for Bachelor, Master Degree and PhD students in Chemistry.
- Author/co-author of over 100 papers and oral/poster presentations at conferences.

Research topics

- Spectroscopic and electrochemical characterization of transition metal ions metallo-organic and coordination complexes.
- Synthesis and spectroscopic and electrochemical characterization of thiophene-based structures, N-ligands substituted or unsubstituted, and of the corresponding coordination compounds with transition metal ions.
- Electrochemical synthesis of thiophene-based conducting polymers, N-ligands substituted or unsubstituted, and of their metallo-polymers.
- Substituted and unsubstituted thiophene-based monomers and conducting polymers for sensors and photophysical devices.
- Photoelectrochemical study of metal oxide-based photoanodes.
- Amperometric and chromatographic detection of organic and inorganic analytes in foodstuffs.
- Potentiometric determination of biomedical analytes.

Reviewer activity

- eXPRESS Polymer Letters;
- Journal of Polymer Engineering;
- Biotechnology and Food Science;
- Inorganic Chemistry;
- Journal of Polymer Science Part A: Polymer Chemistry;
- Arabian Journal of Chemistry;
- Coordination Chemistry Reviews;
- Electrochimica Acta;
- Electrochemistry Communications;
- Inorganica Chimica Acta.