

## CURRICULUM VITAE - Luigi Falciola

Luigi Falciola is Associate Professor in Analytical Chemistry at the Chemistry Department of the Università degli Studi di Milano, Italy and founder of the ELAN (ELECTroANalytical Chemistry) Group of the same University.

He graduated cum laude in Chemistry in 1998, by the University of Milan. After a stimulating collaboration with professor Cavallotti, by the Politecnico of Milano, on topics related to the noble metal electrodeposition, he obtained in 2002, under the supervision of Prof. T. Mussini, the PhD in Chemical Sciences by the University of Milano, studying the thermodynamic, transport and solvation properties of electrolytes in aqueous-organic mixed solvents, using electrochemical, electroanalytical and spectroscopic (EXAFS) techniques. In 2003 he obtained the Doctorate Award of the Electrochemical Division of the Italian Chemical Society. From 2002 to 2006 he worked as Research Assistant. From 2006 to 2015 he was researcher in Analytical Chemistry by the Department of Chemistry. From March 2015 he is Associate Professor in Analytical Chemistry by the same Department. In April 2017 he obtained the national scientific qualification to perform the functions of Full Professor in the Analytical Chemistry scientific disciplinary sector.

The Group he founded is devoted to the development, the characterization and the application of electroanalytical methods, together with the comprehension of the kinetics and mechanism of electrode processes, with particular attention to the important roles of the electrode material and the solvent media. The main research interests are related to the development of new electroanalytical methodologies (particularly those based on voltammetric pulsed and stripping techniques) and new electrode materials (modified electrodes and composites, ink-jet printed and screen-printed electrodes) to be used for different applications in the fields of sensors, the environmental analysis and of the quality control of different products (water, foodstuff, drugs, ...). In this context, the group is continually producing new electroanalytical sensors based on electrodes modified particularly with nanostructured materials (carbon nanotubes, graphene, metal or oxide nanoparticles) and/or conducting or non-conducting polymers, in order to improve their analytical performances or to detect completely new analytes, such as compounds of emerging concern (CEC).

In this research context, he was Principal Investigator or Research Group Leader of different research Projects, granted by National or International Organisms. Very recently, his group was awarded by the "Rita Levi Montalcini Prize for the scientific collaboration between Israel and Italy" for the Project "Advanced Novel Analytical Methods for Faster Forensic and Medical Analysis", to be developed in collaboration with Prof. Ovadia Lev of the Hebrew University of Jerusalem (Israel). The research activity yield to the production of 84 scientific papers in peer reviewed International Journals, a Book Chapter and more than 120 Communications to International Congresses.

Moreover, Luigi Falciola, believing in the importance of the work that Scientific Societies do in the development of the scientific culture among scientists, but also public opinion, was or is at present involved in the organization of different Scientific Societies (ISE: Publication Committee and Bologna Symposium Organizer; Italian Chemical Society: Electrochemistry Division Secretary-Treasurer, Lombardy Section Secretary-Treasurer, Sensors Group Secretary; Royal Society of Chemistry: Italy Local Section Treasurer; Italian Society of Environmental Medicine: Director of Quality of Water Dept. and co-organizer of meetings and workshops held at the Italian Parliament).

For further information, you can visit the Group website (<http://users.unimi.it/ELAN>) where a complete list of Publications can also be found.