

DR. CARLOS EDUARDO FRONTANA VÁZQUEZ



Born in México in May 18th, 1978. Obtained my B. in Sc. Degree in Chemistry in 2001 at the National Autonomous University of Mexico (UNAM). Obtained my Ph. D. degree in Chemical Sciences at the Metropolitan Autonomous University – Campus Iztapalapa (UAM-Iztapalapa) in 2006. Awarded by the Mexican Electrochemical Society as the Best Doctoral Thesis in 2007. Postdoctoral Assistant of Prof. Felipe de Jesus González Bravo from 2006-2008. Titular Researcher at the Center for Research and Technological Development in Electrochemistry (CIDETEQ) from 2008. Member of the Scientific Committee of the Meetings of the Mexican Electrochemical Society from 2006. Member of the International Society of Electrochemistry from 2008, associated to Division 6 (Molecular Electrochemistry). Plenary Lecturer at the Heyrovsky Discussion in 2010. Regional Representative of Mexico for the period 2012-2014 (First Term). My work deals with studying electron transfer mechanisms of organic, inorganic and polymeric molecules, along with the spectroelectrochemical characterization of the electrogenerated anion / cation radicals, both for fundamental research in structure-reactivity relationships (thermodynamic and kinetic), and applications for pharmacology, analysis, Li-ion battery development, bioelectrochemical reactor design, electrochemiluminescence and formation of supramolecular aggregates. I have also worked for industrial oriented-projects for evaluating new alternatives for designing innovative domestic washing-machines for MABE SA de CV-Mexico, involving electrochemical processes. I have published 19 articles with an h-index of 6. Coordinator of Symposium 11 for the upcoming 64th Annual Meeting of the International Society of Electrochemistry in Queretaro, México.