

CV - Edson Antonio Ticianelli

Prof. Ticianelli obtained the B.Sc. degree in 1976, the M.Sc. in 1980 and the Ph.D. in 1985 in Physical Chemistry, all them at the University of São Paulo. He developed his full academic carrier at the Institute of Chemistry of São Carlos (IQSC) and in November 2003 reached the category of Full Professor. Prof. Ticianelli was head of the Department of Physical Chemistry of Institute of Chemistry of São Carlos for four years and the Director of this Institute from 2006 to 2010. He wrote in cooperation with colleagues from Brazil and Argentina two textbooks in the Electrochemistry area. Nowadays, publication of scientific research includes two-hundred twenty scientific papers in journals listed in several indexing platforms. He has also published ten chapters in books and more than four-hundred fifty summaries/papers in collective books, proceedings and other publications. He has given several plenary conferences, and presented tenths of invited lectures and keynotes in national/international scientific meetings. He has acted as advisor of over 50 M. Sc. and Ph.D. theses in the Post-Graduation programs at the Institute of Chemistry of São Carlos. He is an expert in fuel cells, particularly the proton exchange membrane, alkaline and solid oxide systems. Research in these areas includes the development of dispersed catalysts and gas diffusion electrodes for the oxygen reduction and the hydrogen oxidation reactions. More recently, other catalyst systems/reactions are being focused and these include the carbon dioxide reduction reaction and hydrogen and oxygen evolution reactions.