

Short CV



Oswaldo Baffa-Filho, Brazilian, born in August 10th, 1954, received his BSc in Physics, class of 1976, at the Instituto de Física e Química de São Carlos (IFQSC) of the University of São Paulo (USP) where he completed his master degree (MSc-1980) and Doctorate Degree (DrSc-1984) both in applied physics (Molecular Biophysics). Since then has worked in interdisciplinary projects in the biophysics/medical physics interface. Radiation dosimetry and dating by Electron Spin Resonance (ESR) were topics studied immediately after the DrSc and it is a working area up to now. In 1981, he joined the Departamento de Física e Matemática, Faculdade de Filosofia, Ciências e Letras de Ribeirão Preto (FFCLRP), Universidade de São Paulo as an assistant professor, being promoted to professor in 1996. A Post-Doctoral internship (1986-1988) at the Department of Medical Physics, University of Wisconsin-Madison, with support from the John Simon Guggenheim Foundation, was influential in the establishment of a research group in biomagnetism that gained national and international recognition through the many research articles published, successful MS and DrSc projects concluded, grants obtained and invitation for panel organizations, talks and seminars. His research interests have been directed initially towards biophysics to understand structural aspects of hemoproteins, and later to medical physics. In medical physics he has been working in biomagnetic techniques for the study of gastrointestinal motility, electron spin resonance for dosimetry and dating, magnetic resonance imaging (MRI) for dosimetry, spectroscopy (MRS) and functional magnetic resonance imaging (fMRI), among other applications. Professor Baffa has been always involved in teaching activities being one of the responsible for the creation of the Graduate Program in Physics Applied to Medicine and Biology and the Undergraduate program in Medical Physics. Oswaldo Baffa was Vice-Dean and Dean of the FFCLRP and held several other positions at the academic administration. At present, he is president of the Strategic Council of the Ribeirão Preto Technological Park and the representative of the professor's to the University Council. He has visited several scientific institutions abroad; promoted visits at local institutions by distinguished international scientists and has participated in and organized national and international scientific events. He maintains a long-standing collaboration with the Biomagnetism Research Laboratory at the UW-Madison Department of Medical Physics. He is a member of the Brazilian Physical Society, Brazilian Association of Medical Physics and São Paulo State Academy of Sciences. Currently he is also an associate researcher to the Brazilian National Research Council (CNPq) and has been appointed as a visiting professor to the Department of Medical Physics at the UW-Madison. He has published over 200 scientific papers in peer-reviewed journals with several collaborators in Brazil and abroad.