

Short CV of Olga Zeni

Olga Zeni received the degree in Biological Sciences from the University of Naples “Federico II” and the PhD degree in 1996, from the University of Bologna, Italy. Since 2001 she has a permanent position as research scientist at the Institute for Electromagnetic Sensing of Environment of the Italian National Research Council (IREA-CNR), where she is currently Research Director.

Since 2011, she has served as a member of the Program Committee and Program Review Committee for several international conferences and workshops, and as an organizer of special sessions, including at the BioEM conferences and the World Congress on Electroporation.

She has been appointed as external expert for *in vitro* studies on several committees on EMF safety within international organizations including World Health Organization (WHO EHC Monograph on RF-EMF, 2012-2022); European Commission (Scientific Committee on Emerging and Newly Identified Health Risks, SCENIHR, 2012-2015; Scientific Committee on Health, Environmental and Emerging Risks, SCHEER, 2021-2024); the Institute of Electrical and Electronics Engineers (IEEE-International Committee on Electromagnetic Safety, Std C95.1, 2014-2019). She is currently an invited member of the International Advisory Board of the International Committee to Develop Guidance on Bioelectromagnetics Laboratory Research within the “Standardization of Experimental Protocol for Safety Assessment of EMF (STEPS EMF) Project” funded by the Ministry of Internal Affairs and Communication of Japan.

She has been elected member of the Scientific Council of the European Bioelectromagnetic Association (EBEA, 2017-2021), and of the Board of Directors of BioEM Society (2021-2024), where she currently serves as Chair of the Education Committee. She served as Co-Chair of the Technical Program Committee of the joint conference of EBEA and BEMS (BioEm 2021, Ghent, Belgium, 26-30 September 2021).

She is an Associate Editor for *Bioelectromagnetics*, *Frontiers in Public Health–Radiation and Health*, and *PLOS ONE*. She has also served as Guest Editor for several special issues of the *Journal of Infrared, Millimeter and Terahertz Waves*, *Frontiers in Public Health–Radiation and Health*, and the *International Journal of Environmental Research and Public Health*.

Her research activity focuses on the interactions of electromagnetic fields and high-voltage electric pulses with mammalian cells, investigated through both experimental and modelling approaches, with particular emphasis on mechanistic understanding and the development of biomedical applications. She has co-authored more than 100 publications, including journal articles, conference proceedings, and book chapters.