

Monica Ruffini Castiglione is Associated Professor in General Botany at the Department of Biology, University of Pisa. Graduated in Biological Sciences in 1987 (Pisa) with full marks and honours, she received her PhD degree in 1993 and from 1993 to 2000 different post-doc positions. From 2001 to 2007 staff member and from 2008 to 2017 position as senior researcher at the Department of Biology, University of Pisa.

As plant cytologist and cytogenetist with a well-established experience in plant anatomy and morphology, more recently she approached the study of the stress-induced morphogenic responses following exposure to different abiotic stressors in higher plants and their employment in toxicity assessment by different endpoints. In addition to contribute to the evaluation of potential harmful/beneficial effects of nanoparticles in the environment, phyto-toxicology bioassays have been developed for the study of the effects of nanomaterials both in *in vitro* cell cultures and *in vivo* on model plants of agricultural interest, with integrated approaches.

She is author and co-author of more than sixty *in extenso* indexed publications and more than sixty contributions to international/national conferences.

Referee for several International Scientific Journals. Member of the editorial board of *Caryologia*, *International Journal of Cytology*, *Cytosystematics* and *Cytogenetics*.