

Mónica Sebastiana (MS) completed her PhD in Molecular Biology in 2006 at Lisbon university, Faculty of Sciences. MS area of scientific activity has been focused on plant genomics, namely on the interaction of plants with symbiotic or pathogenic microorganisms. Presently, MS is a contacted researcher working at the Plant Functional Genomics Group from the Biosystems and Integrative Sciences Institute (BioISI research centre) at the Faculty of Sciences, University of Lisbon. MS has published 26 papers in international peer-reviewed scientific journals and 1 book chapter in an international scientific book. During her research carrier, MS was cited 833 times, with an h-index of 16 (Google Scholar, December 2021). Most of the papers published by MS are in journals classified in the Q1 quartile from Clarivate Analytics journal citation reports. MS has served as an invited guest editor in 2 special issues from the scientific journals Sustainability and Plants, having also been involved in reviewing of scientific papers from several international journals. MS also co-authored the publication of several on-line resources, such as next generation sequencing data, proteomics data and metabolomics data. MS has disseminated her research activities also by presenting several oral communications (20) and posters (35), in national and international conferences. MS has participated in 15 research projects, and was principal investigator in 2, entitled “Deciphering ectomycorrhizal symbiosis through O₂mics (transcriptome, metabolome and proteome profiling) networking” and “Cork Oak EST Consortium - Mycorrhizal Symbiosis”, both financed by FCT. In 2010, MS was a prize for best research work in “Valorization and Sustainability of Cork Oak and Associated Biodiversity”, afforded by Corticeira Amorim, the principal Portuguese company of cork industry, and integrated in the European Initiative “Business and Biodiversity”. Besides scientific research activities, MS has also been actively involved in teaching at the Faculty of Sciences, University of Lisbon. She has been involved in teaching two curricular units from the Biology Bachelor programme (Fundamentals in Molecular Biology and Oriented Studies in Molecular Biology and Genetics) and from the Master programme in Molecular Biology and Genetics (Molecular Physiology of Stress and Frontiers in Biology Research). MS was also responsible for the supervision of two master students at the University of Lisbon, and currently she is supervising another master student from the University of Lisbon. MS has also developed activities in scientific knowledge transfer to the business community by providing consultancy and research assistance in the application of mycorrhizas to increase plant performance. She has also been committed to science dissemination to the society by participating in several events promoting science for students, schoolteachers, and the public in general. MS research interests are focused on the study of plants response to symbiotic (mycorrhizas) and pathogenic fungi at a genome-wide level. On that context, MS has developed research on several plant-fungal interactions, including the transcriptome, proteome and metabolome characterization of mycorrhizal oak roots, the proteome of grapevine leaves infected with mildew, and the response of chestnut tree to a pathogenic *Phytophthora* oomycete, using molecular biology and genomic approaches, such as microarrays and next generation sequencing. In addition, MS research has been also focused on the physiological and biochemical response of plants to ectomycorrhizal inoculation and on its relation to the molecular events

occurring during symbiosis. MS has also been working on plant response to abiotic stress, namely on the ability of mycorrhizal plants to cope with drought.