

Dr. Robledo Mahón obtained the Bachelor's degree in Environmental Sciences in 2012 and the Master degree in Water Quality Techniques and Sciences in 2013. After that, she started the PhD studies in the group of Environmental Microbiology (RNM-270) at the Institute of Water Research (University of Granada). Her thesis was entitled: Study of the biological process and the structure of microbial communities in the composting process with semipermeable membrane using sewage sludge from the wastewater treatment plants (RNM 7370). She performed a short stay of 3 months at the Berkeley National Laboratory California, (USA) under the supervision of G. Andersen, to learn bioinformatics and statistical tools applied to next generation sequencing data. She obtained the PhD in Fundamental Biology and Systems at the University of Granada in 2018 with the mark of '*Cum laude*'. Recently, she has obtained an extraordinary award for her thesis by the University of Granada. After that, she continued working as a postdoctoral researcher in the same research group within a national project focused on the study of microbial consortium from sewage sludge and their potential to degrade emerging pollutants within the Project: "Removal of emerging pollutants from sewage sludge by composting and augmentation with native microorganisms to obtain soil biosafe amendments" (MINECO CTM2017-84332-R). Between 2019-2021, she has been working as a postdoctoral researcher in the Agro-environmental Chemistry and Plant Nutrition Department, at the Faculty of Agrobiological Sciences, Food and Natural Resources from Czech University of Life Science, in Prague. Her activity was focused on the evaluation of changes in the biological properties and microbial communities of soils due to the deposition of hazardous substances in the European Project: "Nutrisk Centre for the investigation of synthesis and transformation of nutritional substances in the food chain in interaction with potentially harmful substances of anthropogenic origin: comprehensive assessment of soil contamination risks for the quality of agricultural product" (CZ.02.1.01/0.0/0.0/16\_019/0000845). In particular, she worked in the team headed by Professor Száková. As well during this period, she also participated in the project: "Biochar: the valorisation of solid wastes and improvement of soil properties" (GA19-0283-S). Currently, she has returned to the Institute of Water Research at the University of Granada within the María Zambrano Program (Junior). In this period, she has started to work in a new research line led by Prof. Aranda, focused on micro-plastics. In particular, she is investigating about the biodegradation of micro-plastics (MPs) in composting processes and the characterisation of MPs in sewage sludge.

She has published 14 scientific papers in different indexed journals ( $h$  index=6), 7 papers in Q1, 6 in Q2, 1 in Q3 and 1 book chapter. She has participated in the creation of 1 patent and in 5 research projects. During her career, she has participated in different national and international congresses and workshops such as BIOIBEROAMERICA (2016), where her communication was selected as *a Keynote*, also in FEMS (2015 and 2017), BioRemid (2017 and 2019), Eurosoil 2021 among others. In total, she has contributed to 20 different congresses with more than 30 contributions (poster or oral presentation). She has also taught in the Faculty of Pharmacy in the subjects of "Microbiology", "Biotechnology" and "Clinical Microbiology and Parasitology". Her formation has continued during this period, she has been training with different courses, seminars, and workshops like the 9th Edition of the Course of "Introductory course to university teaching" (200 h), "Metagenomic of microbial ecology" (30 h) and "1st YEAST4 BIO training school: Basic course on fermentation technology for production of high-value chemicals from non-conventional yeasts" (40 h). She has also collaborated as a reviewer in the Journal of Fungi (MDPI), as a guest associate editor in Microbiotechnology and as a review editor in Marine and Freshwater Fungi (Frontiers). She has been co-supervisor in the thesis of 1 PhD student. As well, she has participated as an international expert for the international mention of two PhD students. She has been supervisor for 2 students in the vocational education. She has participated in disclosure activities like the first online course in Twitter #microMOOCSEM organised by the Spanish Society of Microbiology. She has also developed activities in the Education Innovation field within the project of MICRO-MODEL: The power of the modelling in the teaching of microbiology in higher education. Integration of education by competences. The results of this project have been shown in conferences like CICREART or Desgranando Ciencia. In this last conference, the poster presented received 3rd award of best poster presentation.