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María José López is currently a Professor of Microbiology at the Department of Biology and Geology, University of Almería, Spain. She holds a Degree in Pharmacy, a MSc in Environmental Biotechnology and obtained her Ph.D. in Pharmacy from the University of Granada, Spain, in 1996. She has completed research stays as a visiting scientist at the Institute of Cell and Molecular Biology, University of Edinburgh (Scotland, UK), and the National Center for Agricultural Utilization Research, Agricultural Research Service, US Department of Agriculture (Peoria, Illinois, USA). Her research focuses on the biotechnological valorization of organic waste to obtain valuable products, including compost, biopesticides, biofertilizers, and biostimulants. She also explores microbial solutions for the bioremediation and biodegradation of recalcitrant compounds, such as lignocellulose, pesticides, contaminants of emerging concern, and fossil-based plastics. Her work bridges basic and applied science, contributing to advancements in bioremediation, biorefineries, and sustainable agriculture. Dr. Lopez has published over 90 research articles in top-tier journals, 2 books and 8 books chapters, holds editorial roles in mainstream journals, and regularly reviews for numerous journals. She has participated in more than 34 research projects and contracts, acting as the principal investigator for national, USDA and European projects, including coordinating one EU project (RECOVER- GA887648). Additionally, she is an active member of the Spanish Society of Microbiology and the Spanish Composting Network and their respective International associations.