

SEM Council Members

Name:

Elisabet Aranda

Council role:

President of the Biodeterioration, Biodegradation and Bioremediation Group

Employer or Institute:

Universidad de Granada. Facultad de Farmacia e Instituto Universitario de Investigación del Agua.

Title:

Full Professor

Coordinator of the Master in Biotechnology (UGR)



Main areas of study/work:

Biodegradation and biotransformation of priority and emerging pollutants.

Other information of interest:

Member of the Spanish Composting Network (REC).

Three main or most recent publications:

Trujillo-Reyes A, Purswani J, Hueso R, Calvo C, Serrano A, Aranda E. 2025. Chemical and bio-hazard assessment of swine manure valorisation: antibiotic and antibiotic-resistant bacteria screening. *Environmental Research* 285(5):122614. <https://doi.org/10.1016/j.envres.2025.122614>

Fernández-Sanmartín P, Robledo-Mahón T, Requena-Menéndez A, Martínez-Cortizas A, Aranda E. 2024. ATR-FTIR characterisation of daily-use plastics mycodegradation. *Ecotoxicology and Environmental Safety* 286:177232. <https://doi.org/10.1016/j.ecoenv.2024.117232>

Ángeles de Paz G, León-Morcillo R, Guzmán S, Robledo-Mahón T, Pozo C, Calvo C, Aranda E. Pharmaceutical active compounds in sewage sludge: Degradation improvement and conversion into an organic amendment by bioaugmentation-composting processes. *Waste Management* 168:167-178. <https://doi.org/10.1016/j.wasman.2023.05.055>

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