

Expression of Interest-UPM Supervisor

Marie Skłodowska Curie Action–Postdoctoral Fellowship 2026 (MSCA-PF-2026)

Supervisor Name	María del Mar Barbero Barrera	
Email	mar.barbero@upm.es	
Department /Institute / Centre Name/Location	Department of Construction and Technology in Architecture / Escuela Técnica Superior de Arquitectura / Universidad Politécnica de Madrid / Madrid	
Research Area	Environment and Geoscience (ENV)	Life Sciences (LIF) Chemistry (CHE)
Research team/group	<p>The ABIO-UPM Research Group is a consolidated multidisciplinary team at UPM specializing in bioclimatic architecture, sustainable construction, and ecological urban planning. It leads national and international R&D projects and develops innovative bioclimatic strategies and sustainable materials. The group works with advanced ETSAM infrastructures and collaborates closely with industry partners and international networks, fostering impactful applied research and technology transfer. More than 20 researchers contribute to high-level scientific output and advanced training programs.</p> <p>https://www.dcta.upm.es/grupo-de-investigacion-abio/</p>	
Keywords	Architecture, Environment, IEQ, OEQ, Sustainability	
Research Focus	<p>Indoor Air Quality at spaces with vulnerable people</p> <p>Air quality had become one of the main issues in the last decades due to the consequences on human health. The research proposes a comprehensive evaluation of indoor air quality (IAQ) in environments hosting vulnerable populations, specifically elderly individuals and children, who are more susceptible to pollutants and environmental stressors. The project will assess key indicators across schools, daycare centers, nursing homes, and assisted-living facilities and their evaluation in the health state. The goal is to develop evidence-based guidelines and scalable interventions that improve IAQ, enhance wellbeing, and support healthier indoor environments for the most sensitive groups.</p>	
Applications: documents to be submitted and deadlines	It is recommended to submit letter of motivation and the references of researchers that support the interest and background of the candidate, as well as the CV. The deadline for the submission is 24 th of April of 2026.	