

**Marie Skłodowska Curie Action –Postdoctoral Fellowship 2024
(MSCA-PF-2024)**

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Department /Institute /Centre	Name	Departamento de Ingeniería Química Industrial y del Medio Ambiente, Escuela Técnica Superior de Ingenieros Industriales / Grupo de Investigación TARIndustrial
	Address	Calle José Gutiérrez Abascal 2
	Province	Madrid
Research Area		Environment and Geoscience (ENV)
Brief description of the Centre/Research Group		<p>The Research Group in Environmental Technologies and Industrial Resources (https://tarindustrial.etsii.upm.es) was recognized by Resolution of June 14, 2005, by the Rector of Universidad Politécnica de Madrid (UPM), resolving the first call for recognition of Research Groups at UPM.</p> <p>The group was established with 18 members affiliated with the Technical School of Industrial Engineers and the Technical School of Mining Engineers of UPM.</p> <p>Since its recognition, the group has expanded by adding new researchers associated with ongoing research projects and active agreements.</p> <p>The multidisciplinary nature of our research team (industrial engineering, mining and chemistry, bachelor's degrees in environmental sciences, geology, and chemistry) allows a comprehensive perspective on environmental issues, promoting active learning among all group members, facilitating decision-making, and saving time and energy.</p> <p>Our working capacity enables us to propose innovative solutions for environmental protection at all society levels, addressing a wide variety of projects focused on the industrial sector.</p> <p>We work for and towards the environment, aiming to achieve sustainable development that meets the needs of present generations without compromising the needs of future generations. Thus, our main lines of research focus on air quality, water treatment, waste management, life cycle assessment, and climate-neutral cities.</p>



Expression of Interest – UPM Supervisor

Project description	<p>Title: Life cycle sustainability assessment of municipal waste management under the new regulatory framework and given municipal strategies for decarbonization and circular economy.</p> <p>The main objective of this project is to develop methodologies that integrate the analysis of environmental, social, and economic impacts applicable to the life cycle of municipal waste management. Building upon previous experience in life cycle environmental impact assessment through the Life Cycle Assessment (LCA) methodology, the other two pillars of sustainability, economic and social aspects, will be addressed and integrated into a single methodological procedure. Once developed, it will be applied to case studies to review, complete, and validate it. Additionally, its integration into municipal planning will be analysed, especially in circular economy and decarbonization/climate neutrality strategies that local entities are developing, and its contribution to advancing the achievement of Sustainable Development Goals (SDGs).</p> <p>This project falls within the research lines of life cycle assessment and waste management of the TARIndustrial research group.</p>
Applications: documents to be submitted and deadlines	<p>CV, letter of motivation, letter of references and academic/professional history</p> <p>Deadline: 30th April 2024</p>