

Mirtha Lourenço is a European Research Area Postdoctoral Fellow, funded through the Marie Skłodowska-Curie Actions Postdoctoral Fellowship 2021 call. She has been focusing on developing sustainable porous silica- and carbon-based materials for optimal CO₂ uptake from biogas and CO₂ conversion. She got her PhD in Materials Science and Engineering from the University of Aveiro in 2016. From 2018, she spent two and a half years at the IIT - CSFT, where she developed new carbon-based materials for environmental applications, such as gas adsorption/separation and catalytic CO₂ reduction. In 2021, she returned to CICECO - Aveiro Institute of Materials, where she worked on synthesizing and characterizing functionalized porous silicas for CO₂ adsorption and separation. That same year, she received a Junior Researcher grant from the Portuguese Foundation for Science and Technology to valorize biomass waste for biogas upgrading.