Maurizio Vespignani is a Postdoctoral Fellow at the National Research Council (CNR-ISSMC), holding a PhD in Materials Science and Technology. Over the past few years, he has worked across academic R&D, designing, engineering, and developing nanostructured ceramic and organometallic materials for environmental remediation and CO_2/H_2 capture and conversion, with a focus on sustainable technologies. He has contributed to European and regional research projects and published in international scientific journals.