

Paola Meli was born in Palermo on 22 February 1997. She is a chemical engineer and a Ph.D. student in **Sustainable Materials, Processes and Systems for Energy Transition** programme (Cycle **XXXIX**). Her administrative base is at the Polytechnic of Turin, while her research is conducted within the Engineering Department at the University of Palermo, under the supervision of Professors Onofrio Scialdone and Federica Proietto. Her Ph.D. scholarship focuses on the electrochemical conversion of CO<sub>2</sub> into added-value chemicals, such as formic acid and carbon monoxide. In detail, her studies was focused on the synthesis of formic acid in water using a microfluidic electrochemical reactor (with an inter-electrode gap of less than 200 µm) equipped with Sn cathodes. Paola obtained her master's degree in Chemical Engineering of Process and Materials (LM-22) in October 2023 and the bachelor's degree in Chemical Engineering (L9) in July 2020, both from the University of Palermo. Her master's thesis focused on the electrochemical remediation of clay spiked with a miscellaneous of alkanes.

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