My name is Myriam D'Alù. I obtained my Bachelor's degree in Chemistry in October 2022 from the Faculty of Chemistry at Sapienza University of Rome. In May 2025, I completed my Master's degree in Industrial Chemistry at the same university, specializing in the ARES curriculum (Environment, Resources, Energy, and Safety), graduating with honors (110/110). My Master's thesis was titled Study of electrode materials for Li-ion batteries obtained through direct recycling.

I conducted my curricular internship at the "New Technologies, Energy and Sustainable Economic Development" laboratories of the ENEA Casaccia Research Center. The research project focused on the recovery, as well as the chemical-physical and electrochemical characterization, of cathode materials for Li-ion batteries using direct recycling methodologies.

In February 2025, I was awarded a research fellowship by INSTM within the ORANGEES project, focusing on *Electrochemical and spectroscopic testing for the optimization of battery investigation protocols*. Through this project, I have explored new recovery methods, identifying optimized operating conditions and regeneration techniques.

Furthermore, I have actively participated in several advanced training courses and seminars, including: A**dvanced Course in Electrochemistry**, held by Dr. Appetecchi; IEMAP Italian Energy Materials Acceleration Platform; **Training course on IRXross with QATR-10** by Shimadzu; Electrode Materials For Na-Ion Batteries held by Dr. Adelhelm; Circular Battery Design: Foundations of Li-ion Energy Applications, safety, Lifespan and End-of-life Management held by Dr. Bono from Be2hub

Myriam D'Alù
**myriam.dalu@uniroma1.it*