



Project presentation

Ph.D. Student
Carlo De Luca

Title

Development of non-fluorinated polymer electrolytes for fuel cells.

The project aims to develop and characterize innovative polymeric membranes designed for use as solid electrolytes in fuel cells, providing enhanced efficiency and reduced environmental impact compared to current market materials. Key innovations include the use of semicrystalline polymeric materials and the creation of new morphologies through the electrospinning technique. This approach will ensure the obtainment of devices with controlled morphology, high electrochemical performance, and improved durability.

