

Arian_GRAINCA_CV

Grainca Arian is a PhD candidate at the Pilot Plant Laboratory, supervised by Prof. Carlo Pirola at the University of Milan. He holds a degree in Industrial Chemistry, having graduated with a thesis on the “Analysis of possible improvements in methane-based processes: LNG plants and NG distribution pipelines.”

His research focuses on the catalytic hydrogenation of CO₂ to produce hydrocarbons. He also works with dynamic simulation software and performs hazard and operability studies on laboratory plants.

Supervised Projects:

1. **Fischer-Tropsch Plant Simulation:** Investigating the fluid dynamics and thermodynamics of the process.
2. **Study of Methyl Esters:** Examining the vapor pressures and separation of FAME (fatty acid methyl esters) fractions through both experimental and theoretical methods.

Grainca's goal is to contribute to advancements in sustainable chemical processes and improve the efficiency of laboratory plant operations. His work bridges practical experimentation with theoretical modeling in the field of industrial chemistry.