



Education and training

- 2010-2015: Scientific High School – Istituto Carlo Urbani – Porto Sant’Elpidio (Fermo)
- 2015-2018: Bachelor’s degree in aerospace engineering – Alma Mater Studiorum (Università di Bologna)
- 2018-2021: Master’s degree in mechanical engineering (thermomechanical curriculum) – Università Politecnica delle Marche
- 2022-2025: National Doctorate in “Photovoltaics” – Università Politecnica delle Marche – Università di Salerno

Work experience

- 2022: Continuous and coordinated contractual relationship – Topic: modeling of integrated hydrogen systems through Aspen HYSYS and Matlab – Institution: Università Politecnica delle Marche, Department of Industrial Engineering and Mathematical Sciences

Study and experience abroad

- 2025: Research period abroad as part of the national doctoral program in “Photovoltaic” – Host institution: CIEMAT - Plataforma Solar de Almería (Spain) – Topic: Study of integration of PV/T and CPV/T collectors with desalination systems

Qualification

- 2022 State examination for the qualification to the profession of engineer - industrial engineering – Section A

Paper ID: 125-*Solar-Powered Desalination System Combining Reverse Osmosis and Membrane Distillation to Enhance the Recovery Ratio*

Paper ID: 217-*Industrial Non-Intrusive Power Monitoring to Unlock the Usability of Renewable Energy Sources: A Comparative Study*