

Dario Bove

Researcher (RTDA)

RESEARCH TOPICS

2013-PRESENT

Main research themes and expertise

The research focuses on clean energy production through fuel cells, hydrogen, gasification, and CO₂ capture. In parallel, models and studies are developed to optimize processes and plants, supported by experiments and data analysis

Università degli Studi di Genova – Scuola Politecnica

EDUCATION AND TRAINING

2014-2017

Ph.D. in Sustainable Energy and Technologies

Investigation on the biomass gasification in a spouted bed reactor pilot plant

Libera Università di Bolzano

2011-2013

M.Sc. in Chemical and Process Engineering

Optimization study of the process of extraction of tannin from chestnut wood

Università degli Studi di Genova – Scuola Politecnica

2008-2011

B.Sc. in Chemical and Process Engineering

Feasibility study of sewage sludge gasification in an autothermal reactor derived from steelmaking processes

Università degli Studi di Genova – Scuola Politecnica

ACADEMIC EXPERIENCE

2023-PRESENT

RTDA in ICHI-01/A – Applied Physical Chemistry

Università degli Studi di Genova – Scuola Politecnica

2021-2022

Research Fellow – ING-IND/23 Applied Physical Chemistry

Modeling and experimental study of molten carbonate fuel cells (MCFC)

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2020-2021

Research Fellow – ING-IND/24 Principles of Chemical Engineering

Modeling and experimental data analysis of high-temperature fuel and electrolysis cells

Università degli Studi di Genova – Scuola Politecnica

2018-2019

Research Fellow – ING-IND/24 Principles of Chemical Engineering

Detailed simulation of molten carbonate fuel cells (MCFC)

Università degli Studi di Genova – Scuola Politecnica

ACADEMIC APPOINTMENTS

2024-PRESENT

RADRL

Head of the CAPLab: a joint laboratory between the University of Genoa and Ecospray Technologies S.r.l. dedicated to research and development of decarbonization technologies based on molten carbonate fuel cells (MCFC).

Università degli Studi di Genova – Scuola Politecnica

2024 e 2025

Member of the National Professional Engineering Examination Committee (Industrial Section)

Summer and winter sessions

Università degli Studi di Genova – Scuola Politecnica

TEACHING ACTIVITIES

2025-PRESENT

Introduction to Chemical Engineering

Bachelor's degree program – Chemical and Process Engineering

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2023-2025

Chemical processes for clean energy

Master's degree program – Environmental Engineering

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2018-2023

Lectures/seminars as Subject Expert in:

Multiscale models of electrochemical cells applied to the energy transition (ING-IND/23)

Local transport phenomena (ING-IND/24)

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PUBLICATIONS

2013-PRESENT

Publications available on Scopus

Scopus: <https://www.scopus.com/authid/detail.uri?authorId=56940504500>

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