

Marco Voccianti

Associate Professor

[ICHI-01/C Theory of Chemical Process Development](#)

EDUCATION AND TRAINING

02/2016

Doctor of Philosophy in Chemical Engineering

Thesis: Development of a general strategy for the solution of ill-posed problems in transport phenomena – Application to Richards' inverse problem

Final score: Excellent

University of Genova, Genova, Italy

07/2012

Master of Science in Chemical Engineering

Thesis: Cross-streamline migration of particles suspended in viscoelastic liquids at finite Re numbers

Final score: 110/110 cum laude

University of Naples "Federico II", Naples, Italy

01/2010

Bachelor of Science in Chemical Engineering

Thesis: Fluid dynamics simulation of the deformation of a drop in confined shear flow

Final score: 110/110 cum laude

University of Naples "Federico II", Naples, Italy

PROFESSIONAL HISTORY

10/2024 →

Associate Professor

Theory of Chemical Process Development (09/D2, ICHI/01-C)

University of Genova, Genova, Italy

10/2021 – 09/2024

Assistant Professor (RTD-B)

Theory of Chemical Process Development (09/D2, ING-IND 26)

University of Genova, Genova, Italy

04/2018 – 09/2021

Assistant Professor (RTD-A)

Theory of Chemical Process Development (09/D2, ING-IND 26)

University of Genova, Genova, Italy

02/2016 – 01/2018

Postdoctoral Research Grant

Theory of Chemical Process Development (09/D2, ING-IND 26)

University of Genova, Genova, Italy

ACADEMIC APPOINTMENTS

[2024](#) →

Member of the Admissions Committee

MSc Course in Sustainable Polymer and Process Chemistry (SMART), Department of Chemistry and Industrial Chemistry
University of Genova, Genova, Italy

[2023](#) →

Member of the Joint Commission

MSc Course in Materials Science and Technology, Department of Chemistry and Industrial Chemistry
University of Genova, Genova, Italy

[2021](#) →

Erasmus+ Coordinator

Interchange with Paderborn University, Paderborn, Germany
University of Genova, Genova, Italy

EXPERIENCE

SCIENTIFIC RESPONSIBILITY FOR RESEARCH PROJECTS ACCEPTED FOR FUNDING ON THE BASIS OF COMPETITIVE CALLS INVOLVING PEER REVIEW

[10/2025](#) → PNRR NEST – Network 4 Energy Sustainable Transition. MUR Project code: PE00000021 – D33C22001330002

Spoke 8: Final use optimization, sustainability & resilience in energy supply chain
WP 8.3: Low (Zero) carbon technologies for the reduction of energy demand
Scientific Director of Local Research Unit
University of Genova, Genova, Italy

[10/2025](#) → PRIN 2022. MUR Project code: 2022HXZ3BK – D53D23009140006

Waste biomass valorization for green H₂ production by application of new TiO₂-Carbon Dots photocatalysts supported on magnetic zeolites obtained from industrial wastes
Scientific Director of Local Research Unit
University of Genova, Genova, Italy

TEACHING OR RESEARCH POSITIONS (FELLOWSHIPS) AT FOREIGN UNIVERSITIES AND RESEARCH INSTITUTES

[09/2021](#) – [10/2021](#) DAAD Short-Term Research Fellowship

Investigation of conjugate heat transfer dynamics under turbulent conditions in a Pillow-plates heat exchanger using OpenFOAM®
Paderborn University, Paderborn, Germany

[02/2017](#) – [07/2017](#) DAAD Long-Term Research Fellowship

Investigation of turbulent flow in the channels between the plates of a Pillow-plates heat exchanger using OpenFOAM®
Paderborn University, Paderborn, Germany

EDITORSHIP OR PARTICIPATION IN EDITORIAL BOARDS OF JOURNALS, PUBLISHING SERIES, ENCYCLOPAEDIAS AND TREATISES

[2024](#) → Editorial Board Member of Applied Sciences (ISSN 2076-3417)

I.F. 2.7, SJR – Q2(Engineering, Miscellaneous), JRC – Q1(Engineering, Multidisciplinary)
Multidisciplinary Digital Publishing Institute (MDPI), Basel, Switzerland