



Guido Busca

Emeritus Professor

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Academic experience

2023 – ongoing

Emeritus Professor, Contract Professor

University of Genoa - Genoa - IT

Teacher of Industrial and Technological Chemistry (ICHI-02/B)

Member of the Editorial Board of Nature-Scientific Reports

Section Editor-in-Chief, Section Industrial Catalysis, Catalysts (MDPI Publishing)

Corresponding member of the Accademia delle Scienze dell'Istituto di Bologna

Corresponding member of the Accademia Ligure di Scienze e Lettere

2000 - 2023

Full Professor

University of Genoa - Genoa - IT

Teacher of Industrial and Technological Chemistry (ING-IND/27)

2018 – 2021

Director of Department

University of Genoa - Genoa - IT

Department of Civil, Chemical and Environmental Engineering

2017 – 2018

Coordinator of Doctorate School in Civil, Chemical and Environmental Engineering.

University of Genoa - Genoa - IT

Department of Civil, Chemical and Environmental Engineering

2016 – 2018

Member of the Commission for National Scientific Habilitation (Sector 09/D3 Chemical Plants and Processes)

Ministry of Education and Scientific Research

2010 – 2016

Coordinator of Teaching Programs in Chemical and Process Engineering

University of Genoa - Genoa - IT

Department of Civil, Chemical and Environmental Engineering

2000 – 2005

Coordinator of Doctorate School in Chemistry for Engineering

University of Genoa - Genoa - IT

Department of Chemical and Process Engineering

1988 - 2000

Associated Professor

University of Genoa - Genoa - IT

Teacher of Chemical Fundamentals of Technologies

1983 - 1988

Assistant Professor – University Researcher

University of Bologna - Bologna - IT

Organic and Industrial Chemistry in Engineering Faculty

Education and training

1977

Master in Chemistry

110/110 cum lode

University of Milan - Milan – IT

Language skills

Italian

Mother tongue

English

Independent

French

Independent

Spanish

Independent

Teaching activities

Teacher of Courses of Industrial and Technological Chemistry (ING-IND/27) in Teaching Programs in Chemical and Process Engineering, Energy Engineering, Science and Technology of Materials, and Environmental Engineering.

Reaserach and teaching activities in PhD programs.

Supervision of PhD and postdoc students.

Tutor of 20 PhD students and 80 Master and Bachelor theses.

Teaching activities in PhD programs in the universities of Genoa, Naples, Pisa (Scuola Superiore), Mexico City – UNAM (Mexico), Louvain La Neuve (Belgium), Caen (France), Salamanca (Spain), Malaga (Spain) and La Plata (Argentina).

Research Interests

Heterogeneous Catalysis, Selective adsorption, Industrial chemical processes, Biomass conversion

Scientific Publications (October 1st, 2024)

Identification:

Orcid: <http://orcid.org/0000-0002-5682-2682>

ResearcherID A-1095-2008

Scopus Author ID 7102925791

n. 1 book:

Heterogeneous Catalytic Materials, Elsevier, 2014, 478 pages

ISBN 9780444595249; e-book ISBN 9780444595218

n. 10 edited books chapters

n. 26 review papers

n. 518 original research full papers n. 480

citations > 39000

h index (Hirsch index) 101 (Scopus)

Ranked n. 12 in Top Italian Scientists in Engineering, n. 1 in Chemical Engineering.

Ranked n. 1404 in 2024 World's Top 2% Scientists list for 2023 (n. 9 in the main scientific field Physical Chemistry; n.

15 among all Italian scientists)