

CV Prof. Pirola Carlo



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List of publication: <https://expertise.unimi.it/get/person/carlo-pirola>

Website of the Research Group of Prof. Carlo Pirola: <https://sites.unimi.it/pirolacarlo/>

Website of the Chemistry Department of Università di Milano: <https://chimica.unimi.it/it>

Linkedin: <https://www.linkedin.com/in/carlo-pirola-416b2b6b/>

PUBLICATIONS

- Researcher unique identifier(s): ORCID: 0000-0002-7013-5424; Scopus Author ID 15122274700
- Number of documents: 177
- Number of citations: 3848 by 3018 documents
- h-index: 37
- Topics: Separations in chemical processes (distillation, absorption in particular, fluid phase equilibria); Heterogeneous catalysis in batch and continuous reactors for biofuel and chemical productions; photocatalytic purification of air and water; modeling and simulation of chemical processes.

RESEARCH PROJECTS

Carlo Pirola obtained public and private funding as Scientific Director and Principal Investigator for a total of about 500.000 euros (Public = 150.000 euro; Private: 350.000 euro)

EDUCATION

- 2008 PhD in Industrial Chemistry, Dipartimento di Chimica, Università degli Studi di Milano, Italy
PhD thesis Title “Novel supported iron Fischer Tropsch catalysts: preparation, characterization and applications”.
- 2000 M. Sc. Degree in Industrial Chemistry, Dipartimento di Chimica, Università degli Studi di Milano, Italy.

CURRENT POSITION

- 2016 – Present Associate Professor of Chemical Plants, Dipartimento di Chimica, Università degli Studi di Milano, Italy.
- 2013 – Present Founder and Head of the Sustainable Process Engineering Research (SuPER, <https://super.chem.polimi.it/>) center, Italy.

PREVIOUS POSITIONS

- 2011 –2016 Assistant Professor of Chemical Plants, Dipartimento di Chimica, Università degli Studi di Milano, Italy.
- 2009 – 2011 Post-Doc Fellow, Dipartimento di Chimica, Università degli Studi di Milano, Italy.
- 2005 – 2008 PhD Student, Dipartimento di Chimica, Università degli Studi di Milano, Italy.
- 2001 – 2004 Technician, Dipartimento di Chimica, Università degli Studi di Milano, Italy.

SUPERVISION OF GRADUATE STUDENTS AND POSTDOCTORAL FELLOWS

2011 – Today Number of Postdocs/ PhD/ Master Students: 6 PhD and 120 Master or bachelor students, Dipartimento di Chimica, Università degli Studi di Milano, Italy.

TEACHING ACTIVITIES

Prof. Pirola Carlo, Dipartimento di Chimica, via Golgi, 19 – 20133 Milano

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- 2012 – Today Professor – Industrial Processes and Scale up (MSc Industrial Chemistry) Università degli Studi di Milano, Italy.
- 2011 – Today Professor – Chemical Plants with laboratory (Bachelor Industrial Chemistry), Università degli Studi di Milano, Italy.
- 2015 – Today Professor – Scientific Literature Research (PhD School), Università degli Studi di Milano, Italy.
- 2013 – 2014 Professor – Catalytic Processes (Bachelor Industrial Chemistry), Università degli Studi di Milano, Italy.
- 2013 – 2014 Professor – Catalytic Processes in biorefinery (PhD School), Università degli Studi di Milano, Italy.
- 2011 – 2013 Professor – Chemical Plants Fundamentals (Bachelor Environmental Chemistry), Università degli Studi di Milano, Italy.

COMMISSIONS OF TRUST

2013 – Today Scientific Evaluator for the Italian Ministry MIUR, Italy.

2015- Today Scientific Evaluator for national and international scientific calls.

2008 – Today Reviewer, 25 International Journal, different countries.

MEMBERSHIPS OF SCIENTIFIC SOCIETIES

2011 – Today Member of the Italian Society of Chemistry, Società Chimica Italiana (SCI), Industrial Chemistry division, Italy.

2014 – Today Member of AIDIC (Associazione Italiana di Ingegneria Chimica, Italian Society for the Chemical Engineering), Italy.

2014 – Today Founding Member, SuPER (Sustainable Process Engineering Research) group, Università degli Studi di Milano and Politecnico di Milano, Italy. <https://super.chem.polimi.it/>

2022: Member of the board of directors of the company AIDIC Servizi.

EDITORIAL BOARD FOR INTERNATIONAL JOURNALS

Year 2021-Today: Assistant Editor for the Journal “Chemical Engineering Transactions”.

Year 2020-Today: Member of the Editorial Board of the "Journal of Chemical Engineering Research Updates" (Avanti Publishers, ISSN 2409-983X).

Year 2020-Today: Guest Editor for the journal Catalysts (MDPI, ISSN 2073-4344) for the Special Issue “ Air and Water Purification Processes Through Photocatalysis: Scale up Perspectives ”.

Year 2018: Guest Editor for the journal Applied Sciences (MPDI, ISSN 2076-3417) for the Special Issue “Advances in Methanol Production from Biomass ”.

Year 2019: Guest Editor for Catalysts magazine (MDPI, ISSN 2073-4344) for the Special Issue “ Transition Metal Catalysis ”.

Year 2020: Guest Editor for the "International Journal of Thermofluids" (Elsevier, ISSN: 2666-2027) for the Special Issue "Energy Efficiency in Industrial Processes and Systems".