

Special Issue

Organocatalysis: Past, Present, and Future Perspectives

Message from the Guest Editor

Since the seminal work of the 2021 Nobel Prize Winners for Chemistry, Professors David W. C. MacMillan and Benjamin List, in the late 1990s, organocatalysis has recorded an extraordinary blossoming to the point that it can now be counted as one fundamental pillar of (asymmetric) catalysis, paralleling and complementing to metal-catalyzed reactions and biocatalysis. In fact, the publication of about 1500 articles per year in the last decade is proof of the great growth of organocatalysis, which undoubtedly represents one of the fastest-growing themes in Chemistry.

The enormous interest of so many research groups in organocatalytic reactions stems from some typical distinguishing features, among which operational simplicity, tolerance to air and moisture, and, with specific reference to catalysts, high stability/robustness, non-toxicity, wide functional group tolerance, and broad molecular diversity, also made possible drawing on members of the “chiral pool” (e.g., alkaloids, amino acids, carbohydrates) or their derivatives.

This Special Issue is meant to collect original research articles and reviews on the topic of organocatalysis in all its possible applications.

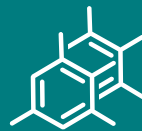
Guest Editor

Dr. Carmela De Risi

Department of Chemical, Pharmaceutical and Agricultural Sciences,
University of Ferrara, Via L. Borsari 46, 44121 Ferrara, Italy

Deadline for manuscript submissions

closed (30 April 2025)



Molecules

an Open Access Journal
by MDPI

Impact Factor 4.6
CiteScore 8.6
Indexed in PubMed



mdpi.com/si/105737

Molecules
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
molecules@mdpi.com

[mdpi.com/journal/
molecules](https://mdpi.com/journal/molecules)





Molecules

an Open Access Journal
by MDPI

Impact Factor 4.6
CiteScore 8.6
Indexed in PubMed



[mdpi.com/journal/
molecules](https://mdpi.com/journal/molecules)



About the Journal

Message from the Editor-in-Chief

As the premier open access journal dedicated to molecular chemistry, now in its 30th year of publication, the papers published in *Molecules* span from classical synthetic methodology to natural product isolation and characterization, as well as physicochemical studies and the applications of these molecules as pharmaceuticals, catalysts, and novel materials. Pushing the boundaries of the discipline, we invite papers on all major fields of molecular chemistry and multidisciplinary topics bridging chemistry with biology, physics, and materials science, as well as timely reviews and topical issues on cutting-edge fields in all of these areas.

Editor-in-Chief

Prof. Dr. Thomas J. Schmidt

Institute of Pharmaceutical Biology and Phytochemistry, University of Münster, Corrensstrasse 48, D-48149 Münster, Germany

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, MEDLINE, PMC, Reaxys, CaPlus / SciFinder, MarinLit, AGRIS, and other databases.

Journal Rank:

JCR - Q2 (Biochemistry and Molecular Biology) / CiteScore - Q1 (Organic Chemistry)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 15.1 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the second half of 2025).