

Special Issue

Development of Asymmetric Synthesis

Message from the Guest Editor

The search for new methodologies leading to the preparation of enantiopure compounds remains extremely active in the field of Organic Synthesis. Thus, the development of new useful asymmetric synthesis approaches results very rewarding, as many therapeutically interesting products are in one enantiomeric form. Uncountable asymmetric procedures for the synthesis of all kind of compounds have been reported until now, but still plenty of work is necessary to develop convenient, useful, and easily scalable methodologies applicable to the preparation of many structures and also suitable to produce a sufficiently high asymmetric bias. In addition, economic considerations, such as the use of cheap and easily available sources, and, particularly nowadays, environmental considerations, such as the use of safe reagents, catalysts, and solvents, as well as their possible recyclability, are crucial. Therefore, many challenges remain to be confronted. This Special Issue of *Molecules* aims to provide a broad overview of the new developments in the use of asymmetric synthesis for the preparation of compounds of interest.

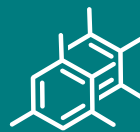
Guest Editor

Prof. Dr. Rafael Chinchilla

Department of Organic Chemistry, Faculty of Sciences, and Institute of Organic Synthesis (ISO), University of Alicante, P.O. Box 99, 03080 Alicante, Spain

Deadline for manuscript submissions

closed (30 November 2019)



Molecules

an Open Access Journal
by MDPI

Impact Factor 4.6
CiteScore 8.6
Indexed in PubMed



mdpi.com/si/22187

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).