

Special Issue

Synthesis and Application of Atropisomeric Molecules

Message from the Guest Editors

Atropisomeric molecules that bear a conformationally restrained stereogenic axis play enormous roles in natural products, medicines, catalysts, and material science. Their enantioselective synthesis and applications have witnessed dramatic developments over the past few years. Many elegant methodologies have been developed to atroposelectively access atropisomers containing rotationally restricted C-C bonds. This Special Issue aims to provide a platform to highlight the recent advancements in this field of synthesis and applications of atropisomers in organic synthesis. Topics include but are not limited to asymmetric synthesis, functional development, and the structural analysis of all types of atropisomeric molecules. Communications, articles, and reviews regarding the abovementioned topics are warmly welcomed.

https://www.mdpi.com/journal/molecules/special_issue/s/51CJWDOQ46

Guest Editors

Dr. Wenling Qin

School of Pharmaceutical Sciences, Chongqing University, Chongqing, China

Dr. Gianpiero Cera

Dipartimento di Scienze Chimiche, della Vita e della Sostenibilità Ambientale, Università di Parma, Parco Area delle Scienze 17/A, I-43124 Parma, Italy

Deadline for manuscript submissions

closed (30 November 2023)



Molecules

an Open Access Journal
by MDPI

Impact Factor 4.6
CiteScore 8.6
Indexed in PubMed



[mdpi.com/si/131461](https://www.mdpi.com/si/131461)

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

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