



Synthesis and Application of Atropisomeric Molecules

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)

Message from the Guest Editors

Dear Colleagues,

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_issues/5ICJWD0Q46

Dr. Wenling Qin
Dr. Gianpiero Cera





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Thomas J. Schmidt

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

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.

Author Benefits

Open Access: free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

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)

Contact Us

Molecules Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/molecules
molecules@mdpi.com
[X@Molecules_MDPI](#)