

Special Issue

Synthesis of Heterocyclic Compounds via Cycloadditions: Applications in Medicinal Chemistry

Message from the Guest Editors

Medicinal chemistry remains the most valuable science and plays the most critical role in the drug-development process. It acts as the backbone of the drug-discovery framework that provides a comprehensive understanding of the underlying principles of drug action and behavior within the body, which is fundamental to today's pharmaceutical care and patient counseling. This Special Issue targets the public understanding of the chemistry behind heterocycles for pharmaceutical applications. Preference will be given to articles, which focus on target-based design strategies, organic synthesis, in vitro assays, enzymatic assays that confirm the target, in vivo experiments, SAR, and docking that improves the understanding of drug design and action. The targets are including but are not limited to: Kinases, DNA topoisomerases, Tubulin, and HDAC.

Guest Editors

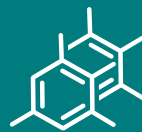
Dr. Lalitha Gummidi

Dr. Parvesh Singh

Prof. Dr. Beata Morak-Młodawska

Deadline for manuscript submissions

closed (31 October 2024)



Molecules

an Open Access Journal
by MDPI

Impact Factor 4.2
CiteScore 7.4
Indexed in PubMed

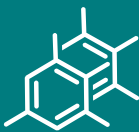


mdpi.com/si/155221

Molecules
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 4.2
CiteScore 7.4
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 experimental organic chemistry, and now in its 25th 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 multidisciplinary topics bridging biochemistry, biophysics and materials science, as well as timely reviews and topical issues on cutting edge fields in all 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 (Chemistry, Multidisciplinary) / CiteScore - Q1 (Chemistry (miscellaneous))

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 2.8 days (median values for papers published in this journal in the first half of 2024).