Special Issue

Heterocyclic Building Blocks for Medicinal Applications

Message from the Guest Editors

In the twenty-first century, an extremely high percentage of all drugs used in therapy contain at least one heterocyclic structure, with heterocyclic compounds being a very large and varied family of molecular fragments used by chemists for organic synthesis. This is not only due to their structural diversity and chemical properties but also because their heterocyclic nuclei are constituents of natural products and play a key role in biological processes. High-quality heterocyclic building blocks are crucial to the biological activities of different molecules and ADMET properties, which eventually impact the success rate of drug discovery projects. This Special Issue in Molecules aims to familiarize readers with the most modern trends in the field of heterocyclic building blocks with or for medicinal applications. We encourage authors to submit original research articles, review papers, and short communications regarding the design and synthesis of new heterocyclic structures starting from synthetic compounds or from isolated natural compounds, in which the final goal is to obtain compounds with various biological actions or to optimize existing biological properties.

Guest Editors

Prof. Dr. Brindusa Tiperciuc

Department of Pharmaceutical Chemistry, Faculty of Pharmacy, University of Medicine and Pharmacy "Iuliu Hatieganu", 400012 Cluj-Napoca, Romania

Prof. Dr. Ovidiu Oniga

Department of Pharmaceutical Chemistry, Faculty of Pharmacy, Iuliu Haţieganu University of Medicine and Pharmacy, 41 Victor Babeş Street, 400012 Cluj Napoca, Romania

Deadline for manuscript submissions

closed (31 January 2023)

Molecules

an Open Access Journal by MDPI

Impact Factor 4.6
CiteScore 8.6
Indexed in PubMed

mdpi.com/si/97112

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

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

About the Journal

Message from the Editor-in-Chief

As the premier open access journal dedicated to molecular chemistry, now in its 29th 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 16.1 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the first half of 2025).

MDPI