

Special Issue

Bioactive Small Molecules and Natural Products as Drug Leads or Chemical Probes

Message from the Guest Editors

The successful introduction of the chemical probe concept has transformed the field of chemical biology into a domain of prime importance for medicinal chemists. Using small molecules to elucidate the functionality of emerging gene products and experimentally assessing their druggability and therapeutic potential is currently recognized as one of the major tools for advancing current drug discovery. The current Special Issue aims at collecting original research articles as well as thorough reviews that address the interplay between chemical biology and medicinal chemistry and their implementation toward the discovery of new chemical entities that show promising potential as drug leads or chemical probes for emerging therapeutic targets.

Guest Editors

Dr. Vassilios Myrianthopoulos

Department of Pharmacy, National and Kapodistrian University of Athens, Panepistimiopolis Zografou, Athens, Greece

Prof. Dr. Emmanuel Mikros

“Athena” Research and Innovation Center, PharmaInformatics Unit, Maroussi, Greece

Deadline for manuscript submissions

closed (15 March 2021)



Molecules

an Open Access Journal
by MDPI

Impact Factor 4.6
CiteScore 8.6
Indexed in PubMed



mdpi.com/si/53017

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).