

Special Issue

Drug Discovery from Microorganisms

Message from the Guest Editors

Natural products (NPs) biosynthesized by microorganisms are prominent source of compounds with pharmacological values, thus established as the best starting point in the drug discovery process. Generally these compounds are biosynthesized in microorganisms through versatile metabolic pathways. They are often termed as “secondary metabolites” (SM) as they are synthesized like primary metabolites by producer organisms but may not be essential for their own metabolic processes. These SM or their derivatives are most frequently utilized as “drug leads” for the treatment of different disease conditions. Different biological approaches such as the utilization of synthetic biology tools and metabolic engineering techniques. This Special Issue aims to include research or review papers focused on key aspects of drug discovery from micro-organisms, including the isolation and characterization of novel structures, the study of biosynthetic mechanisms, or the assessment of the biological activities of diverse microbe-derived molecules.

Guest Editors

Prof. Dr. Jae Kyung Sohng

Department of Life Science and Biochemical Engineering, Sun Moon University, Chungnam, Korea

Dr. Dipesh Dhakal

Department of Life Science and Biochemical Engineering, Sun Moon University, 70, Sunmoon-ro 221, Tangjeong-myeon, Asan-si, Chungnam 31460, Republic of Korea

Deadline for manuscript submissions

closed (28 February 2019)



Molecules

an Open Access Journal
by MDPI

Impact Factor 4.2
CiteScore 7.4
Indexed in PubMed



mdpi.com/si/18890

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