

Special Issue

Natural Products from Defined Microbial Interactions

Message from the Guest Editors

In the last few decades, chemical ecology has eavesdropped on the chemical language underlying microbe–host interactions. Despite increasing recognition that bacteria–animal interactions are the basis of evolution, the identity of signaling molecules underlying these interactions have remained largely enigmatic. Therefore, more efforts describing the chemistry and signaling molecules underlying defined multipartner interactions are pressingly needed. Furthermore, the structural diversity of natural products serving as signalling molecules provides a rich source of novel biologically/pharmacologically-active compounds. This Special Issue welcomes original research and reviews of literature on important aspects of natural products involved in defined bacteria–bacteria, bacteria–eukaryotes and fungi–eukaryotes interaction scenarios.

Guest Editors

Dr. Christine Beemelmanns

Chemical Biology of Microbe-Host Interactions, Leibniz Institute for Natural Product Research and Infection Biology e.V., Hans-Knöll-Institute (HKI)

Visitors address: Beutenbergstrasse 11a

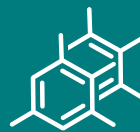
Mail- and delivery address: Adolf-Reichwein-Straße 23
07745 Jena, Germany

Prof. Dr. Michael Thomas-Poulsen

Section for Ecology and Evolution, Department of Biology, University of Copenhagen, Copenhagen, Denmark

Deadline for manuscript submissions

closed (31 May 2019)



Molecules

an Open Access Journal
by MDPI

Impact Factor 4.6
CiteScore 8.6
Indexed in PubMed



mdpi.com/si/18687

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 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 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).