

## Special Issue

# Drug Resistance and Antimicrobial Activities of Natural Products

### Message from the Guest Editors

The editorial board of *Molecules* (IF: 4.6, ISSN 1420-3049) invites you to submit an article or review to a Special Issue entitled "Drug Resistance and Antimicrobial Activities of Natural Products". This Special Issue seeks high-quality original research articles and critical reviews that advance our understanding of how natural molecules and extracts can prevent, circumvent, or reverse antimicrobial resistance. We welcome studies on discovery and bioassay-guided isolation, chemical characterization and structure–activity relationships, modes of antimicrobial and antivirulence action (including antibiofilm and anti-persister activity), resistance development and genetic responses, and strategies to enhance efficacy such as synergistic combinations, formulation, and targeted delivery. The submitted manuscripts should follow the journal's standard peer-review process and present clear experimental design, rigorous antimicrobial testing (including resistance and tolerance assays where appropriate), and discussion of translational potential. We invite authors from natural-product chemistry, microbiology, pharmacology, and related disciplines to submit their latest findings.

### Guest Editors

Dr. Krzysztof Skowron

Department of Microbiology, Ludwik Rydygier Collegium Medicum in Bydgoszcz, Nicolaus Copernicus University in Toruń, 9 Maria Curie Skłodowska Str., PL-85-094 Bydgoszcz, Poland

Dr. Katarzyna Grudlewska-Buda

Department of Microbiology, Ludwik Rydygier Collegium Medicum in Bydgoszcz, Nicolaus Copernicus University in Toruń, 9 Maria Curie Skłodowska Str., PL-85-094 Bydgoszcz, Poland

### Deadline for manuscript submissions

30 June 2026



## Molecules

an Open Access Journal  
by MDPI

Impact Factor 4.6  
CiteScore 8.6  
Indexed in PubMed



[mdpi.com/si/260394](https://mdpi.com/si/260394)

*Molecules*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[molecules@mdpi.com](mailto: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 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).