



## Advances in Natural Products and Their Biological Activities

Guest Editors:

**Dr. Irwin Rose Alencar  
Menezes**

**Prof. Dr. Henrique Douglas  
Melo Coutinho**

**Prof. Dr. Almir Gonçalves  
Wanderley**

**Prof. Dr. Jaime Ribeiro-Filho**

Deadline for manuscript  
submissions:  
**closed (31 May 2025)**

### Message from the Guest Editors

Natural product-based drug discovery can provide new structural chemical entities of interest for use in pharmacotherapy and biomedicine, representing an essential strategy for drug discovery, that can revolutionize the treatment of various diseases. This Special Issue highlights selected applications and discusses key opportunities that can help address the exploration of bioactive compounds or biological materials from the environmental diversity of different biomes to maximize the identification of compounds that affect molecular targets and their pharmacological potential to benefit human health. We aim to focus on the selection of reviews and original research reports with high-quality advanced knowledge obtained by research groups worldwide that work with natural products. Additionally, research showing advanced technologies relating to formulations using natural compounds and their activities is also a focus of this Special Issue. We welcome authors who can contribute original research on several related fields related to natural compounds, their bioactivity, and their mechanisms of action.





an Open Access Journal by MDPI

## Editor-in-Chief

**Prof. Dr. Thomas J. Schmidt**

Institute of Pharmaceutical  
Biology and Phytochemistry,  
University of Münster,  
Corrensstrasse 48, D-48149  
Münster, Germany

## 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.

## Author Benefits

**Open Access:** free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

**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)

## Contact Us

---

*Molecules* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/molecules](http://mdpi.com/journal/molecules)  
[molecules@mdpi.com](mailto:molecules@mdpi.com)  
[X@Molecules\\_MDPI](#)