

## Special Issue

# Synthesis of Biologically Active Compounds as Potential Antitumor, Antimalarial and Antituberculosis Drugs

### Message from the Guest Editors

This Special Issue, "Synthesis of Biologically Active Compounds as Potential Antitumor, Antimalarial and Antituberculosis Drugs," aims to highlight cutting-edge research at the interface of synthetic organic chemistry, medicinal chemistry, and chemical biology. Contributions will encompass both classical and modern drug discovery paradigms, including phenotypic screening, target-based design, and rational approaches guided by structural, computational, or mechanistic insights. We welcome original research articles, communications, and reviews that reflect the synergy between synthetic innovation, mechanistic understanding, and disease-relevant evaluation. Through this Special Issue, we hope to provide a comprehensive and forward-looking perspective on the opportunities emerging in the design of bioactive molecules targeting cancer, malaria, and tuberculosis, while embracing a One Health vision that supports sustainable, long-term global health solutions. We look forward to your submissions.

### Guest Editors

Prof. Dr. Sandra Gemma

Department of Biotechnology, Chemistry and Pharmacy, University of Siena, Via Aldo Moro 2, 53100 Siena, Italy

Dr. Anna Ramunno

Department of Pharmacy, University of Salerno, Via G. Paolo II 132, 84100 Fisciano, SA, Italy

### Deadline for manuscript submissions

30 September 2026



## Molecules

an Open Access Journal  
by MDPI

Impact Factor 4.6  
CiteScore 8.6  
Indexed in PubMed



[mdpi.com/si/262947](https://mdpi.com/si/262947)

*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 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).