



an Open Access Journal by MDPI

## Frontiers in Antimicrobial Drug Discovery and Design

Guest Editors:

### Prof. Dr. Daniela Barlocco

Dipartimento di Scienze  
Farmaceutiche, Università degli  
Studi di Milano, Via L. Mangiagalli  
25, 20133 Milano, Italy

### Dr. Fiorella Meneghetti

Department of Pharmaceutical  
Sciences, University of Milan, Via  
L. Mangiagalli 25, 20133 Milano,  
Italy

Deadline for manuscript  
submissions:

**closed (10 April 2017)**

### Message from the Guest Editors

Dear Colleagues,

Infectious diseases still account for a substantial proportion of deaths worldwide. The plague of antimicrobial resistance represents an alarming signal for both human and animal healthcare.

There is of great interest in the opportunities and challenges associated with tackling infectious diseases for developing effective and possibly cheap antimicrobial agents endowed with new mechanisms of action.

The discovery of new antimicrobials as well as the expansion of existing antibiotics utility would be crucial to fight the ever-increasing antimicrobial resistance of “superbugs”, pathogenic fungi, viruses, and parasites.

This Special Issue aims to highlight the recent medicinal chemistry research on new antimicrobial drugs.

Prof. Dr. Daniela Barlocco

Dr. Fiorella Meneghetti

*Guest Editors*



[mdpi.com/si/7760](http://mdpi.com/si/7760)

# Special Issue



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](#)