



## Advances in Medicinal Chemistry of Antibiotics

Guest Editor:

**Prof. Dr. Françoise Van  
Bambeke**

Pharmacologie Cellulaire et  
Moléculaire, Louvain Drug  
Research Institute, Université  
Catholique de Louvain, Avenue  
Mounier 73 B1.73.05, 1200  
Brussels, Belgium

Deadline for manuscript  
submissions:

**closed (31 August 2012)**

### Message from the Guest Editor

Dear Colleagues,

In a world of increasing resistance, we have to urgently come with new, potent, weapons. Discovery of novel antibiotic classes acting on still unexploited targets remains a challenge. Another approach that has been followed quite intensively and successfully over the last years consists in refining our knowledge of structure-activity relationships to come with molecules showing an increased intrinsic activity, a reduced susceptibility to resistance mechanisms, an improved safety profile, or a better pharmacokinetic profile.

This special issue is aimed at presenting up-to-date reviews or promising experimental data on structure-activity relationships, either for existing classes of antibiotics or for new classes of antibiotics (meaning for which there is still no drug on the market).

Prof. Dr. Françoise Van Bambeke  
*Guest Editor*





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 experimental organic chemistry, and now in its 25th 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 multidisciplinary topics bridging biochemistry, biophysics and materials science, as well as timely reviews and topical issues on cutting edge fields in all 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 (Chemistry, Multidisciplinary) / CiteScore - Q1 (Chemistry (miscellaneous))

## Contact Us

---

*Molecules* Editorial Office  
MDPI, St. Alban-Anlage 66  
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](https://twitter.com/Molecules_MDPI)