



an Open Access Journal by MDPI

## Feature Review Papers in Antibiotic Biosynthesis

Guest Editor:

### Dr. Manuel Simões

LEPABE, Department of Chemical Engineering, Faculty of Engineering, University of Porto, Rua Roberto Frias, s/n, 4200-465 Porto, Portugal

Deadline for manuscript submissions:

**15 April 2024**

### Message from the Guest Editor

There have been growing calls for new medicines to combat infectious diseases and lethal pathogens resistant to existing treatments, but few promising therapies are currently in the biopharmaceutical R&D pipeline. The situation has caused fear of a “post-antibiotic” era of super-resistant superbugs, a prediction which is becoming increasingly realer each day. The quest for new antimicrobials to overcome resistance problems has long been a top research priority and a major societal problem. This Special Issue aims to collect authoritative and comprehensive reviews on major advances in the molecular engineering of antimicrobial molecules, from biosynthetic approaches and combinatorial chemistry to in silico tools.



[mdpi.com/si/131136](https://mdpi.com/si/131136)

# Special Issue



an Open Access Journal by MDPI

## Editor-in-Chief

### Prof. Dr. Nicholas Dixon

School of Chemistry and  
Molecular Bioscience, University  
of Wollongong, Wollongong, NSW  
2522, Australia

## Message from the Editor-in-Chief

There are very few fields that attract as much attention as scientific endeavor related to antibiotic discovery, use and preservation. The public, patients, scientists, clinicians, policy-makers, NGOs, governments, and supra-governmental organizations are all focusing intensively on it: all are concerned that we use our existing agents more effectively, and develop and evaluate new interventions in time to face emerging challenges for the benefit of present and future generations. We need every discipline to contribute and collaborate: molecular, microbiological, clinical, epidemiological, geographic, economic, social scientific and policy disciples are all key. *Antibiotics* is a nimble, inclusive and rigorous indexed journal as an enabling platform for all who can contribute to solving the greatest broad concerns of the modern world.

## 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, PMC, Embase, CAPlus / SciFinder, and other databases.

**Journal Rank:** JCR - Q1 (*Pharmacology & Pharmacy*) / CiteScore - Q1 (*General Pharmacology, Toxicology and Pharmaceutics*)

## Contact Us

---

*Antibiotics*  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
www.mdpi.com

mdpi.com/journal/antibiotics  
antibiotics@mdpi.com  
@antibioticsmdpi