

## Special Issue

# Antibacterial, Antifungal and Anti-infective Activity of Natural Products

### Message from the Guest Editor

Plants are considered to be the oldest known biofactories for the production of bioactive molecules of many pharmaceutical activities for the treatment of chronic and non-chronic diseases. They played essential roles as natural healers for the treatment of different diseases. In recent years, many researchers have focused on going “back to a plant-based medicine approach” for the discovery and production of plant extracts of antimicrobial and anti-inflammatory properties. These molecules are nowadays considered to be high-potential biotherapeutic alternatives to reduce the side effects of the currently used microbial-derived or synthetic molecules. Therefore, the main aim of this Special Issue is to publish up-to-date research related to the recent development of the discovery, isolation, identification, and molecular characterization of natural bioactive compounds of antimicrobial and anti-inflammatory activities. In addition, we also welcome research related to antimicrobial, in vitro and in vivo testing, and cytotoxicity assessment of these compounds. We welcome manuscripts in the form of reviews or scientific research articles.

---

### Guest Editor

Prof. Dr. Hesham A. El Enshasy  
Institute of Bioproduct Development (IBD), Universiti Teknologi Malaysia (UTM), Skudai, Johor Bahru 81310, Malaysia

---

### Deadline for manuscript submissions

closed (29 February 2024)



## Antibiotics

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.6  
CiteScore 8.7  
Indexed in PubMed



[mdpi.com/si/159988](https://mdpi.com/si/159988)

*Antibiotics*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[antibiotics@mdpi.com](mailto:antibiotics@mdpi.com)

[mdpi.com/journal/  
antibiotics](https://mdpi.com/journal/antibiotics)





# Antibiotics

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.6  
CiteScore 8.7  
Indexed in PubMed



[mdpi.com/journal/  
antibiotics](https://mdpi.com/journal/antibiotics)



## About the Journal

### 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 disciplines 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.

---

### Editor-in-Chief

Prof. Dr. Nicholas Dixon  
School of Chemistry and Molecular Bioscience, University of  
Wollongong, Wollongong, NSW 2522, Australia

---

### 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 (Infectious Diseases) / CiteScore - Q1 (General Pharmacology, Toxicology and Pharmaceutics)