

## Special Issue

# Nanotechnology for Antimicrobials in Medicine and Agriculture, 2nd Edition

### Message from the Guest Editors

The first volume of the Special Issue “Nanotechnology for Antimicrobials in Medicine and Agriculture” was published in 2022. It is a successful issue with 14 published papers and has encouraged us to open a second volume on the same topic. We are honored to invite and to join us to lead this Special Issue together. The key motivation behind this Special Issue on “Nanotechnology for Antimicrobials” is to collect knowledge regarding the research and development of nanomaterials that open new possibilities for the effective treatment of diseases from a medical or agricultural point of view. The MDPI journal *Antibiotics* and the editors of this Special Issue invite you to submit review articles and original research papers that provide a broad overview of nanomaterials for the treatment of viral, fungal, or bacterial diseases in humans or in crops. Moreover, manuscripts related to nanomaterials used as an additive in textiles, medical devices, or personal protective equipment to prevent infections are also welcome.

### Guest Editors

Dr. Gonzalo Tortella

Dr. Amedea B. Seabra

Dr. Martín A. Fernández-Baldo

Dr. Adalberto Benavides-Mendoza

### Deadline for manuscript submissions

closed (15 January 2025)



## Antibiotics

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.6  
CiteScore 8.7  
Indexed in PubMed



[mdpi.com/si/170459](https://mdpi.com/si/170459)

*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)