

## Special Issue

# Antimicrobial Resistance: Epidemiology and Implications for Veterinary Medicine

### Message from the Guest Editors

In recent years, the growing prevalence of antimicrobial resistance has posed a global threat to human and animal health. Human–animal interactions contribute to the exchange of genetic material between microorganisms and reinforce the dissemination of multi-resistant bacteria. An understanding of the importance of the zoonotic transmission of antimicrobial-resistant bacterial strains can help to slow their spread and ensure human and animal health. Cases of different species of wild and companion animals carrying these antimicrobial-resistant microorganisms in their respective habitats have already been reported. The increased incidence of human infection with antimicrobial-resistant bacteria has resulted in increased awareness and concern regarding this phenomenon in animal hosts. Thus, it is very important that we continuously monitor and report the isolation of antimicrobial-resistant bacteria, as well as suggesting control measurements for combating antimicrobial resistance not only among animals but also in a wider One Health context.

### Guest Editors

Prof. Dr. Bruno de araujo Penna

Department of Microbiology and Parasitology, Biomedical Institute, Univer-sidade Federal Fluminense 101, Professor Hernani Melo St, Building E, lab 611, Niterói 24210-130, Brazil

Dr. Eliane De Oliveira Ferreira

Departamento de Microbiologia Médica, Instituto de Microbiologia Paulo de Góes, Universidade Federal do Rio de Janeiro (UFRJ), Rio de Janeiro-RJ, Brazil

### Deadline for manuscript submissions

31 July 2026



## Antibiotics

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.6  
CiteScore 8.7  
Indexed in PubMed



[mdpi.com/si/226520](https://mdpi.com/si/226520)

*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)