

Special Issue

Novel Approaches to Prevent and Combat Antimicrobial Resistance

Message from the Guest Editor

Antimicrobial resistance (AMR) is a critical global health challenge and hidden pandemic, killing millions every year. They threaten the effectiveness of existing treatments with drug-resistant infections. The rise in multidrug-resistant pathogens calls for urgent action to discover and implement innovative approaches to prevent their spread and treat them. This Special Issue invites original research articles, reviews, and perspectives on novel approaches to tackling and mitigating AMR. We welcome contributions in, but not limited to, the following areas:

- **Antimicrobial Peptides (AMPs)**
- **Novel Antibiotics Screening**
- **Phage Therapy**
- **Fecal Microbiota Transplantation (FMT)**
- **Dietary and Functional Food Interventions**
- **AMR Prevention Strategies:**
 - **Antibiotic Stewardship**
 - **Infection Control Measures**
 - **Environmental and One Health Approaches**

We encourage interdisciplinary studies that integrate microbiology, bioinformatics, clinical research, and public health to address AMR from a **One Health perspective** and focus on intervention and prevention.

Guest Editor

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Deadline for manuscript submissions

30 November 2025



Antibiotics

an Open Access Journal
by MDPI

Impact Factor 4.6
CiteScore 8.7
Indexed in PubMed



mdpi.com/si/237441

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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
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