

Special Issue

Challenges and Emerging Strategies to Tackle the Global Burden of Antimicrobial Resistance

Message from the Guest Editor

Antimicrobial resistance (AMR) poses a significant global health threat. Despite the immense disease burden due to resistant microorganisms and urgent need for effective strategies to tackle them, there remains a clear lack of practical clinical research to inform much-needed advances in this field. Therefore, prompt and effective action is essential to address the challenges posed by AMR and develop strategies to mitigate its impact. This Special Issue aims to address this critical issue by focusing on articles covering a range of topics related to AMR. These include novel approaches to AMR diagnostics, surveillance strategies and antimicrobial treatment strategies, but also cover novel approaches to antibiotic stewardship and local/global policy perspectives. I am pleased to invite submissions of high-quality research-based or review papers addressing the challenges and emerging strategies to tackle the global burden of antimicrobial resistance. The end-goal is to create a timely and highly relevant collection of articles aimed at addressing this pressing topic, which is currently one of the biggest global health concerns the humanity has faced.

Guest Editor

Dr. Tomislav Meštrović

1. University Centre Varaždin, University North, Varaždin, Croatia
2. Institute for Health Metrics and Evaluation (IHME), University of Washington, Seattle, WA, USA
3. Department of Health Metrics Sciences, University of Washington School of Medicine, Seattle, WA, USA

Deadline for manuscript submissions

closed (31 July 2025)



Antibiotics

an Open Access Journal
by MDPI

Impact Factor 4.6
CiteScore 8.7
Indexed in PubMed



mdpi.com/si/203469

Antibiotics
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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)