

## Special Issue

# Epidemiology and Mechanism of Bacterial Resistance to Antibiotics

### Message from the Guest Editors

In recent decades, the researchers focused not only on the clinical but also on the environmental drug-resistant strains. By utilizing phenotypic and genomic techniques, it is essential to understand the epidemiology of multi-drug-resistant bacteria isolated from human and environmental microbiomes as well as for the development of new and faster diagnostic tools.

In this Special Issue, we welcome papers of phenotypic and molecular epidemiology, diagnostic methods and antibiotic sensitivity with innovative phenotypic and molecular approaches. Submissions addressing the horizontal transfer of antibiotic resistance genes are also welcome.

### Guest Editors

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### Deadline for manuscript submissions

31 December 2025



## Antibiotics

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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.

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### Editor-in-Chief

Prof. Dr. Nicholas Dixon  
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