

## Special Issue

# Advancements in the Control and Diagnosis of Antimicrobial Resistance in Infectious Diseases

### Message from the Guest Editors

The global increase in antimicrobial and antiviral resistance poses a significant threat to human efforts to combat infectious diseases. The importance of proper stewardship in addressing antimicrobial and antiviral resistance is becoming increasingly evident. Understanding the mechanisms underlying antimicrobial and antiviral resistance, as well as developing advanced laboratory diagnostics for early detection, is crucial for effectively controlling and preventing these resistance phenomena. For this Special Issue, we invite research contributions addressing the following themes:

- Epidemiology of antimicrobial and antiviral resistance;
- Viral infection in immunocompromised patients;
- Control and prevention of antimicrobial and antiviral resistance;
- Strategies of antimicrobial stewardship to combat antimicrobial and antiviral resistance;
- Advanced laboratory diagnostics of antimicrobial and antiviral resistance;
- Mechanism of antimicrobial resistance antiviral resistance.

### Guest Editors

Dr. Soyoun Shin

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### Deadline for manuscript submissions

closed (31 March 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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