

## Special Issue

# Global Trends in Antimicrobial Resistance: Epidemiology and Public Health Implications

### Message from the Guest Editor

The Special Issue will address the growing global concern of antimicrobial resistance (AMR), which threatens to undermine decades of progress in healthcare and medicine. It will explore the epidemiology of AMR, highlighting the geographic distribution, prevalence, and emergence of resistant pathogens worldwide. Emphasis will be placed on the role of the overuse and misuse of antibiotics in healthcare and agriculture, which accelerates the spread of resistant strains. Public health implications will be discussed, including the rising burden of infections that no longer respond to standard treatments, increased healthcare costs, and the heightened mortality risk. This Special Issue will also call for urgent global collaboration to strengthen surveillance, promote rational antibiotic use, and implement policies to curb the spread of resistance. It will emphasise the need for innovative solutions, including the development of new antibiotics and alternative therapies, to combat the AMR crisis.

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### Guest Editor

Dr. Louise Teixeira Cerdeira  
London School of Hygiene & Tropical Medicine, London, UK

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### Deadline for manuscript submissions

closed (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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