

Special Issue

Bacterial Infections and Global Health: The Escalating Threat of Antibiotic Resistance

Message from the Guest Editors

Bacterial infections, particularly those caused by multidrug-resistant pathogens, are a critical global health concern. Antimicrobial resistance (AMR) is one of the top threats to public health and development, directly causing 1.27 million deaths in 2019 and contributing to 4.95 million more. By 2050, AMR-related mortality is projected to reach 4.73 million in Asia, 4.15 million in Africa, 0.39 million in Europe, 0.392 million in Latin America, 0.317 million in North America, and 0.022 million in Oceania. Developing countries are especially vulnerable due to the misuse and overuse of antimicrobials in humans, animals, and plants. This exacerbates challenges such as limited treatment options, prolonged hospital stays, higher costs, and increased morbidity and mortality. This Special Issue will prioritize topics addressing AMR in human health, including infection prevention, antimicrobial stewardship, AMR surveillance, access to quality diagnoses and treatments, and innovations in vaccines, diagnostics, and medicines.

Guest Editors

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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

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