



## Fight against Antimicrobial Resistance: The Innovative Strategies

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### Message from the Guest Editor

Antimicrobial resistance (AMR) has become a significant threat to global public health across the human, animal, plant, food, and environmental sectors, resulting in the delayed application of effective interventions, as well as increased mortality, morbidity, and costs. Currently, to restrain AMR, the United Nations is promoting a One Health approach. One Health addresses the relationships between human, animal, and environmental health, emphasizing that efforts must be made across all these sectors. Therefore, there is an urgent need to develop and implement cross-disciplinary and coordinated multi-faceted strategies (interventions) to curb bacterial resistance. Meanwhile, cross-departmental strategies should also be further strengthened for playing a more active role in fighting AMR.

In this Special Issue, we will present innovative strategies to fight AMR from a One Health perspective, for which interdisciplinary cooperations are between the epidemiology, antimicrobial stewardship, and specific interventions across health and computer science sectors. We welcome contributions that address any of the above topics.

Prof. Dr. Qiang Sun





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## 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 disciples 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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