Special Issue

Combating Antimicrobial Resistance: Translational Science to Clinical Practice

Message from the Guest Editors

Antimicrobial resistance (AMR) is a major and growing global health threat associated with an increased risk of issues in many aspects of medical practice. By 2050, it is estimated that 8.22 million deaths associated with AMR could occur globally, and approximately 1.9 million people will die from AMR-attributable causes.

Comprehension of the AMR crisis is a complex issue because many molecular mechanisms are involved. The AMR phenomenon should be addressed by means of a One Health approach, encompassing human, and environmental aspects. Additionally, for humans, the global challenge to combat AMR requires coordinated efforts at the international level in several critical areas. In addition, novel alternative strategies to combat antimicrobial resistance have been proposed. Indeed, bacterial genomics by whole-genome sequencing (WGS) has undergone a paradigm shift in the study of microbial pathogens, leading to a deeper comprehension of the mechanisms and spread of AMR.

In this Special Issue, we plan to collect original research articles, short communications, and review articles on all aspects of AMR and efforts to combat the AMR crisis.

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About the Journal

Message from the Editor-in-Chief

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