



The Molecular Mechanisms of Antibiotic Resistance

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Message from the Guest Editors

Bacterial antibiotic resistance has become a serious public health and environmental problem, beginning with the use of antibiotics over 90 years ago. It is extraordinarily necessary to understand intrinsic antibiotic resistance mechanisms for the development of new antibiotics or strategies in the future.

The current poor understanding of bacterial antibiotic resistance, this Special Issue is focused on reports related to the current situation of worldwide bacterial antibiotic resistance mechanisms. We welcome and accept articles exploring antibiotic resistance mechanisms caused by efflux pumps, transferred plasmids, transcriptional factors, antimicrobial resistance genes, PTMs, etc. Furthermore, we also encourage content that provides alternative novel strategies to control or kill antibiotic-resistant bacteria besides the traditional use of antibiotics.

Deadline for manuscript submissions:
closed (31 December 2022)





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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 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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