



Antibiotics: Fighting Disease and Promoting Health by Embracing the Two Sides of the Same Coin

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Deadline for manuscript
submissions:

31 October 2024

Message from the Guest Editors

The resistance to antibiotics has been characterized as a silent yet salient pandemic. Published research from every part of the globe reveals this resistance phenomenon in either clinical or environmental isolates. Although many aspects of the bacterial survival mechanisms are thoroughly understood, questions remain. Studying the resistance effect is essential but what can contemporary science propose as possible solutions to this problem? Are there other substances with satisfactory antibiotic activity? Can certain microorganisms play the role of antibiotics? Are we able to prevent the dissemination of resistance determinants through the food chain? These and other relevant questions will be addressed in this Special Issue of "Antibiotics". The term -biotic stems from the Greek word bios (βίος), meaning life. By adding a suitable prefix to this term, e.g., antibiotic, probiotic, prebiotic, or symbiotic, perhaps we can influence life sciences towards new approaches to older problems. Researchers are invited to submit study and review articles that will contribute towards addressing these issues.





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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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