



Potential of Antimicrobial Peptides for an Exciting Future

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Message from the Guest Editors

Dear Colleagues,

Antimicrobial peptides (AMPs) are natural molecules belonging to diverse peptide and protein families essential for the innate immune system and as a barrier defense for all live organisms. They are a promising class of antimicrobial compounds capable of acting against bacteria, fungi, and viruses. They can act synergistically with other drugs, reducing the immunomodulatory side activities and deactivating toxic compounds such as LPS.

This Special Issue collects research articles and review papers dealing with the possible uses of antimicrobial peptides in medical, food, and agricultural applications. In particular, the following topics are of interest:

- Isolation, characterization, and dosage of antimicrobial peptides in plants;
- The dietary effect of AMPs;
- AMPs in food technology;
- Antibacterial peptides for food preservation and their application in food packaging;
- Medical and veterinary application of AMPs;
- Toxicological aspects related to the employ of AMPs.





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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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