



## Insights on Antimicrobial Peptides and Peptidomimetics, and Their Antimicrobial Potential

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Deadline for manuscript  
submissions:

**closed (30 November 2023)**

### Message from the Guest Editors

To combat drug resistance, antimicrobial peptides (AMPs), also known as host-defense peptides, play crucial roles due to their distinctive mode of action and rapid killing rate against drug-resistant pathogens. In addition to their antimicrobial activity, AMPs display antioxidant, anticancer, antimalarial, and wound-healing properties. Although AMPs possess a number of merits as novel antibiotics, their advancement as therapeutic agents is still limited due to their large structure involving complex synthetic routes and expensive production cost, proteolytic degradation, and poor activity in the presence of salts. To overcome these issues, a variety of new synthetic or natural AMPs must be discovered considering the facts including physicochemical properties, structural diversity, and diverse mechanisms of action, which is the key aim of this special issue.

The Antibiotics editorial team decided to come up with a special issue that seeks manuscript submissions addressing the above features to elevate the wider therapeutic application of AMPs in treating infectious diseases.

Dr. Gunasekaran Pethaiah

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## Editor-in-Chief

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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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