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Antimicrobial Peptides: Therapeutic Potentials 2.0

Guest Editor:

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Message from the Guest Editor

Antimicrobial peptides (AMPs) have been recognised for their ability to kill multidrug-resistant bacteria and do not easily induce resistance, two features that make them very attractive as drug candidates. Supported by the price increase for novel antimicrobials and the "ready to use" technology, antimicrobial peptides can become a viable option for urgently needed new antimicrobial drugs. In the last two decades of AMP research, it became clear that these molecules have multiple biological activities, like antimicrobial, antiparasitic, anticancer and immunomodulatory. In the same time period, multiple targets of AMPs for their antibacterial activities were discovered.

In this Special Issue of Microorganisms, we invite you to send contributions concerning any biological activities related to the therapeutic potential of antimicrobial peptides, including direct (e.g. killing of pathogens/parasites/cancer cells) and indirect (e.g. immunomodulatory effects) modes of action.

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Message from the Editor-in-Chief

"Microorganism" merges the idea of the very small with the idea of the evolving reproducing organism is a unifying principle for the discipline of microbiology. Our journal recognizes the broadly diverse yet connected nature of microorganisms and provides an advanced publishing forum for original articles from scientists involved in high-quality basic and applied research on any prokaryotic or eukaryotic microorganism, and for research on the ecology, genomics and evolution of microbial communities as well as that exploring cultured microorganisms in the laboratory.

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