



Creation of New Antimicrobial Peptides

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Message from the Guest Editor

Dear Colleagues,

World Health Organization (WHO) classifies polyresistant bacteria as a serious health hazard. In the last ten years, bacteria resistant to multiple drug dependences are have become a serious challenge for prophylactics and the treatment of many bacterial diseases. Available antibiotics are gradually becoming ineffective as a result of the resistance of bacterial cells, so it is necessary to find new antibacterial strategies to combat pathogenic organisms.

Antimicrobial peptides are diverse in terms of structure and mode of action, display broad-spectrum antimicrobial activity, and thus show promise for engineering pathogen resistance and development of novel pharmaceuticals. The most decisive advantage of antibacterial peptides is the following: (1) the possibility to construct peptides of directional effect and (2) biological compatibility due to their natural origin.

In this Special Issue, the authors present new antimicrobial peptides and a new strategy for combating pathogenic microbes.

Prof. Dr. Oxana V. Galzitskaya
Guest Editor





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Message from the Editor-in-Chief

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