

Special Issue

Creation of New Antimicrobial Peptides 3.0

Message from the Guest Editor

World Health Organization (WHO) classifies polyresistant bacteria as a serious health hazard. 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. Novel antimicrobial peptides are under development. The creation of a novel technology and new antibiotics based on it will be a breakthrough in this field of research. 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.

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Deadline for manuscript submissions

closed (20 February 2025)



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



mdpi.com/si/99855

*International Journal of
Molecular Sciences*
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