

Special Issue

Antimicrobial Peptides and Antimicrobial Nanomaterials in Biomedicine

Message from the Guest Editor

The development of antibiotics is one of the greatest medical achievements of the 20th Century, saving countless lives. However, as the use of these drugs increased, so did bacterial resistance. Antibiotic resistance is growing faster than it was expected to, being considered a main public health challenge and one of the biggest threats to global health and development.

Using antimicrobial peptides (AMPs) and antimicrobial nanomaterials is an excellent strategy to overcome this problem.

AMPs have a large spectrum of activity and low propensity to induce bacteria resistance. Nonetheless, their in vivo performance may be affected as they tend to self-aggregate and undergo enzymatic degradation, which often leads to toxicity issues as high concentrations are required to overcome these drawbacks. The answer to overcome this problem may dwell in their immobilization onto biomaterials.

Authors are kindly invited to submit original papers, communications, and reviews regarding the potential of Antimicrobial Peptides and Antimicrobial Nanomaterials to be published in this Special Issue of *Pharmaceutics*.

Guest Editor

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