

Special Issue

Antimicrobial Peptide-Polymer Conjugates

Message from the Guest Editors

The rapid spread of antibiotic-resistant bacteria is a worrying public health problem, and the World Health Organization (WHO) considers it to be one of the greatest threats to global health.

Antimicrobial peptides (AMPs) have been drawing attention as a very promising alternative to conventional antibiotics. AMPs have a broad spectrum of action and are able to break down bacterial membranes with a very low propensity to induce resistance.

Novel AMP delivery systems, namely polymeric systems, are currently being developed to improve the bioactivity of AMPs while reducing possible side effects.

This Special Issue aims to cover different aspects of the development of AMP-polymer conjugates designed to control AMP delivery in different forms, namely nano and microparticles, films/coatings, scaffolds, hydrogels, fibers, and printed systems. Papers describing the design, preparation, and physico-chemical and biological characterization of these systems are most welcome.

Authors are invited to submit original research articles and reviews in this important and exciting research field.

Guest Editors

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Deadline for manuscript submissions

closed (30 September 2021)



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Editor-in-Chief

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