

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

Dr. Claudia Monteiro

Dr. Viorica Patrulea

Dr. Martijn Riool

Deadline for manuscript submissions

closed (30 September 2021)



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Pharmaceutics
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
pharmaceutics@mdpi.com

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Editor-in-Chief

Prof. Dr. Patrick J. Sinko
Ernest Mario School of Pharmacy, Rutgers, The State University of New Jersey, William Levine Hall, Room 225C, 160 Frelinghuysen Road, Piscataway, NJ 08854-8020, USA

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