

# Special Issue

## Advances in Antimicrobial Peptide Engineering

### Message from the Guest Editors

Peptide-based therapeutics constitute a promising alternative for use in the future post-antibiotic period. The amino acid alphabet produces a rich collection of biologically active peptides, which may be purified from natural sources, such as animal venoms, marine organisms, and plants and skin secretions, or synthesized by chemical and recombinant DNA-based approaches. The clinical translation of peptides is a challenge that has been faced by multidisciplinary approaches and modern technologies. Large-scale peptidomics, in vitro high-throughput screening, and computational strategies have opened up promising avenues for the therapeutic application of peptides as antibiotics. The Special Issue aims to present several contributions, from reviews to original articles, addressing all aspects related to the discovery, screening, bioengineering, and structural characterization of natural and synthetic peptides. Manuscripts regarding the development of peptide conjugates and peptide mimetics will also be taken into consideration.

### Guest Editors

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### Deadline for manuscript submissions

closed (31 July 2023)



## Microorganisms

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## About the Journal

### Message from the Editor-in-Chief

"Microorganism" merges the idea of the very small with the idea of the evolving reproducing organism is a unifying principle for the discipline of microbiology. Our journal recognizes the broadly diverse yet connected nature of microorganisms and provides an advanced publishing forum for original articles from scientists involved in high-quality basic and applied research on any prokaryotic or eukaryotic microorganism, and for research on the ecology, genomics and evolution of microbial communities as well as that exploring cultured microorganisms in the laboratory.

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### Editor-in-Chief

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#### Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 20 days after submission; acceptance to publication is undertaken in 2.9 days (median values for papers published in this journal in the second half of 2025).