



Antimicrobial Peptides: Development, Conjugation, and Beyond

Guest Editor:

Prof. Dr. Suzana K. Straus

Department of Chemistry,
University of British Columbia,
Vancouver, BC V6T 1Z1, Canada

Deadline for manuscript
submissions:

closed (30 July 2018)

Message from the Guest Editor

Bacterial resistance means that many researchers are looking for alternatives to currently-used antibiotics. One strategy being explored is to use antimicrobial peptides (AMPs). AMPs are considered to be viable alternatives to currently-used antibiotics, because they have a broad antimicrobial spectrum and since bacteria develop little or no resistance towards them. In addition, AMPs are ubiquitous in nature and are involved in the first line of defense in plants and animals.

Although AMPs are promising, only a few are used for systemic therapy. The number of AMPs currently being used is limited because these compounds often display adverse effects such as unknown toxicity against host cells, short circulation half-life due to protease digestion and rapid kidney clearance.

Prof. Dr. Suzana K. Straus
Guest Editor





an Open Access Journal by MDPI

Editors-in-Chief

Prof. Dr. Peter E. Nielsen

Department of Cellular and
Molecular Medicine, Faculty of
Health and Medical Sciences,
University of Copenhagen,
Blegdamsvej 3C, DK-2200
Copenhagen, Denmark

Prof. Dr. Lukasz Kurgan

Department of Computer
Science, Virginia Commonwealth
University, Richmond, VA 23284,
USA

Message from the Editorial Board

Biomolecules is a multidisciplinary open-access journal that reports on all aspects of research related to biogenic substances, from small molecules to complex polymers. We invite manuscripts of high scientific quality that pertain to the diverse aspects relevant to organic molecules, irrespective of the biological question or methodology. We aim for a competent, fair peer review and rapid publication. Please look at some of the exciting work that has been published in *Biomolecules* so far. We would be delighted to welcome you as one of our authors.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), PubMed, MEDLINE, PMC, Embase, CAPlus / SciFinder, and other databases.

Journal Rank: JCR - Q1 (*Biochemistry & Molecular Biology*) / CiteScore - Q1 (*Biochemistry*)

Contact Us

Biomolecules Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/biomolecules
biomolecules@mdpi.com
[X@Biomol_MDPI](https://twitter.com/Biomol_MDPI)