



## Nature Inspired Peptides in Medical Sciences

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Deadline for manuscript  
submissions:

**closed (15 December 2022)**

### Message from the Guest Editor

*Biomolecules* invites submissions for a special issue focused on chemistry, biology and medical application of natural peptides and their mimetics in recognition for Nature's remarkable inspiration for gaining new ideas for future medicine.

Inspired by Nature, antimicrobial peptides (AMP's) and their synthetic analogs with predominant non-specific mode of action are rapidly gaining attention. It has been recently discovered that beyond of their antimicrobial activity inherently supporting innate immune system, AMP's display tumor suppressive effect and influence signaling cascades that stimulate activity of adaptive immune system. Rationally designed variations of cell penetrating peptides (CPP) have demonstrated promising potentials for drug delivery.

Numerous recent studies point to an increasing role of peptides as potential therapeutics for the treatment of a broad range of diseases. For this special issue we invite submissions of papers focusing on understanding of challenges and opportunities in clinical development of this emerging therapeutic class.





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## 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.

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