

## Special Issue

# Peptides and Their Synthetic Analogs in Medicine and Biotechnology

### Message from the Guest Editor

Peptides and short proteins provide a promising new generation of biologically active tools with a wide range of novel applications in medicine and biotechnology. Structural modification of peptides leads to the class of peptidomimetics whose value is considerably enhanced compared to their native predecessors. Peptides are employed to fight microbes or cancer, as neuromodulators or hormones or as a basis of vaccines and drug delivery systems. Self-assembling peptides may serve as biomaterials in tissue engineering for creating blood vessels or as substrates for neurite outgrowth and synapse formation. Finally, peptides may be applied in bionanotechnology to create microchips, sensors, electronic devices, as well as nanosized rods or tubes. For this Special Issue, we invite submissions of both topical reviews and original research articles focused on the synthesis as well as structural and functional studies of peptides and peptidomimetics to be applied in medicine or biotechnology.

### Guest Editor

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### Deadline for manuscript submissions

closed (1 October 2022)



## International Journal of Molecular Sciences

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### Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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