

Special Issue

Self-Assembling Peptide-Based Biomaterials: Smart Materials for Biomedical Applications

Message from the Guest Editors

Dear colleagues,

Self-assembling peptides can be found in native proteins or designed and synthetically engineered to encompass several biological properties, such as biocompatibility, biodegradability, and extracellular matrix-mimicking processes. Control of the assembly or disassembly behavior of peptides is essential for their biological application; for example, peptide-based biomaterials as drug carriers need suitable sensitivity toward different stimuli to be able to produce a controlled drug release.

This Special Issue on “Self-Assembling Peptide-Based Biomaterials: Smart Materials for Biomedical Applications” welcomes original research papers and reviews in the field, with focus on the synthesis and characterization of novel self-assembling peptide-based material components and their potential for biomedical applications, including theranostic approaches.

Guest Editors

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Deadline for manuscript submissions

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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.

Editor-in-Chief

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