

Special Issue

Molecular Advances in the Synthesis and Medical Application of Biomaterials

Message from the Guest Editor

The Special Issue focuses on topics covering the molecular advances in processing of novel biomaterials, the synthesis of bio-hybrids and bioactive or bioresorbable materials at the molecular level, and the study of their biodegradability and biocompatibility. The field of biomaterials and their biocomposites has advanced significantly to restore, substitute, or regenerate not only skeletal hard but also soft tissues. These innovative materials have been studied to be applied for orthopaedic implants, bone substitutes, bone cements, dental prostheses, drug delivery carriers, and even for cancer treatments. In addition, the development and use of nanostructured materials, biomimetic materials, and inorganic–organic structures resulted in considerable scientific interest in the biomaterials field. Contributions on innovative approaches such as the additive manufacturing of biomaterials, bioceramics, biodegradable materials, biocomposites, layer deposition techniques, tissue engineering, and drug delivery systems are also welcome.

Guest Editor

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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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