

Special Issue

Polymeric Material for Biomedical Applications

Message from the Guest Editor

Polymeric materials are of great importance because of their relatively low cost synthesis. The great diversity of natural (proteins, polysaccharides, and nucleic acids), bio-based, and synthetic polymers as well as their copolymers is at the cutting edge of multi- and interdisciplinary research. The fabrication of nanostructures, including nanofibers, nanofilms, and nanoparticles, from polymers is necessary for tissue engineering and bionanotechnology. Further elucidation and evaluation of the currently available synthetic and natural polymers, their hybrids, and novel materials are required for a comprehensive analysis of their stability, cellular uptake, acute and chronic toxicity, induction of innate and adaptive immunity and allergic complications for their possible implementation in bionanotechnology, vaccinology, drug design, and tissue engineering. This Special Issue, "Fabrication and Characterization of Polymeric Materials", will include selected research and review articles describing both the advantages and disadvantages of already known and novel polymers for biomedical applications.

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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