

Special Issue

Biomedical Devices— Applications for Disease Treatment and Tissue Regeneration

Message from the Guest Editor

This Special Issue, “Biomedical Devices—Applications for Disease Treatment and Tissue Regeneration”, we will discuss current advances in biomaterials, biomedical device research, tissue engineering applications, drug delivery systems, nanotechnology-based disease detection systems, and the development of innovative therapeutic approaches using biomaterials. This Special Issue is open for the submission of basic and clinical research, or that taking a multidisciplinary approach, and will also cover original articles and reviews on the following topics: Novel therapeutic approaches including biomedical devices.

Biomaterial-based mesenchymal stem cell therapy.
Bioactive signal delivery for mesenchymal stem cell differentiation.

Application of biomedical applications in osteogenesis, chondrogenesis, angiogenesis, neurogenesis, etc.

Clinical trials/research on biomedical devices.

Tissue engineering.

Cancer.

Guest Editor

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About the Journal

Message from the Editor-in-Chief

Biomedicines (ISSN 2227-9059) is an open access journal devoted to all aspects of research on human health and disease, the discovery and characterization of new therapeutic targets, therapeutic strategies, and research of naturally driven biomedicines, pharmaceuticals, and biopharmaceutical products. Topics include pathogenesis mechanisms of diseases, translational medical research, biomaterial in biomedical research, natural bioactive molecules, biologics, vaccines, gene therapies, cell-based therapies, targeted specific antibodies, recombinant therapeutic proteins, nanobiotechnology driven products, targeted therapy, bioimaging, biosensors, biomarkers, and biosimilars. The journal is open for publication of studies conducted at the basic science and preclinical research levels. We invite you to consider submitting your work to *Biomedicines*, be it original research, review articles, or developing Special Issues of current key topics.

Editor-in-Chief

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 18.2 days after submission; acceptance to publication is undertaken in 2.8 days (median values for papers published in this journal in the first half of 2026).