



New Techniques and Materials for Biomedical Applications

Guest Editor:

Prof. Dr. Vijay Kumar Thakur

Scotland's Rural College,
Biorefining and Advanced
Materials Research Centre,
Edinburgh EH9 3JG, UK

Deadline for manuscript
submissions:

closed (31 October 2022)

Message from the Guest Editor

Different materials, from polymers and ceramic to nanomaterials and their derivatives, are currently being explored as attractive alternatives to traditional medicinal materials for several biomedical applications. For instance, polymeric matrices are the most widely employed systems for preparing controlled release pharmaceutical dosage forms due to their low-cost and straightforward manufacturing process. Along with polymers, other biomaterials with specific abilities to interact with biological structures are being developed for different devices with nanoarchitectures intended for biomedical applications. There has also been increasing interest in endogenous polymers as components of delivery systems within this field.

Therefore, this Special Issue intends to cover different biomaterials' science and clinical applications, from synthesizing new biomolecules to nanodevices.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Felipe Fregni

1. Neuromodulation Center and
Center for Clinical Research

Learning, Spaulding
Rehabilitation Hospital and
Massachusetts General Hospital,
Harvard Medical School, Boston,
MA 02114, USA

2. Department of Epidemiology,
Harvard T.H. Chan School of
Public Health, Boston, MA 02115,
USA

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.

Author Benefits

Open Access: free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

High Visibility: indexed within [Scopus](#), [SCIE \(Web of Science\)](#), [PubMed](#), [PMC](#), [CAPUS / SciFinder](#), and [other databases](#).

Journal Rank: JCR - Q1 (*Pharmacology & Pharmacy*) / CiteScore - Q2 (*Medicine (miscellaneous)*)

Contact Us

Biomedicines Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/biomedicines
biomedicines@mdpi.com
[X@Biomed_MDPI](#)