

Special Issue

Biomedical Properties of Hydrogels

Message from the Guest Editor

With water-retention capabilities, modular polymeric network structures and biocompatibility, hydrogels have received significant attention as extracellular matrix simulators for biomedical applications. Additionally, the engineering between composition and network cross-linkers can provide stimuli-responsive triggers with potential therapeutic properties, which can cover applications from cancer therapy to tissue-engineering application. The primary aim of this Special Issue on “Biomedical Properties of Hydrogels” is two-fold: 1) demonstration of distinct hydrogels types; 2) identification of the biomedical properties of distinct hydrogel types. Ultimately, this Special Issue may discuss the future research direction of hydrogels, in particular theranostics hydrogels, and the development of self-healing and conductive hydrogels diagnostics and therapy of diseases.

- hydrogels
- extracellular matrix simulators
- self-healing
- conductive hydrogels
- theranostics hydrogels

Guest Editor

Prof. Dr. Alireza Dolatshahi-Pirouz

Department of Health Technology, Center for Intestinal Absorption and Transport of Biopharmaceuticals, Technical University of Denmark, 2800 Kongens Lyngby, Denmark

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Biomedicines
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
biomedicines@mdpi.com

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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

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

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