

Special Issue

Recent Advances in Biomedical Hydrogels

Message from the Guest Editor

This Special Issue is dedicated to recent advances in the methodology and applications of biomedical hydrogels. Methodologies include the synthesis of new materials or modified biopolymers for hydrogel formation, as well as the fabrication of functionalized or personalized hydrogels. Applications include drug delivery, biologic agents, tissue repair and regeneration, 3D bioprinting, detection and monitoring, and bioelectronics. Recently, gel-based cellulose fibers have been prepared and used as a cartilage substitute for sore knees, and have proven to be even stronger and more durable than the original tissue. The publication of reviews and original research papers in this Special Issue will make an important contribution to the improvement of hydrogels for biomedical applications.

Guest Editor

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About the Journal

Message from the Editor-in-Chief

Gels (ISSN 2310-2861) is recently established international, open access journal on physical and chemical gel-based materials. The journal aim is to encourage scientists to publish their experimental and theoretical results in as much detail as possible. General topics include but not limited to synthesis, characterization and applications of new organogels, hydrogels and ionic gels made either from low molecular weight compounds or polymers, composite and hybrid materials where a metal is by some means incorporated into the gel network, and computational studies of these materials in order to provide a better understanding of gelation mechanism. We cordially invite you to consider publishing with us and contribute with your own grain of sand to the advance in this fascinating field.

Editor-in-Chief

Prof. Dr. Esmail Jabbari

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