Special Issue

Functional Gels Applied in Tissue Engineering

Message from the Guest Editors

We are here to organize a Special Issue “Functional Gels Applied in Tissue Engineering”. Gels or hydrogels became one of the most common biomaterials over recent years due to their excellent properties. For example, as a promising candidate for scaffold materials in tissue regeneration, gels based on both synthetic and natural polymers have attracted intense research interests. The present Special Issue is dedicated to providing an open and vivid forum to share and discuss your latest research milestones on the theories, applications, challenges, and prospectives of using functional gels and/or hydrogels in tissue regeneration and repair. We aim to demonstrate and discuss our current understanding on the structures, synthesis, performance assessments, and applications of various gels to facilitate tissue reconstructions. The paper type can be a research article, review, short communication, method/protocol, or perspective.

Guest Editors

Dr. Hai Xin

Dr. Maruf Al Maruf

Dr. Alexey Vertegel

Deadline for manuscript submissions

closed (10 May 2025)

Gels

an Open Access Journal by MDPI

Impact Factor 5.3
CiteScore 7.6
Indexed in PubMed

mdpi.com/si/180288

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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. Esmaiel Jabbari
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Author Benefits

High visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, PMC, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q1 (Polymer Science) / CiteScore - Q1 (Organic Chemistry)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 12.5 days after submission; acceptance to publication is undertaken in 2.7 days (median values for papers published in this journal in the first half of 2025).

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