Special Issue

Advanced Gel Materials for Bioengineering

Message from the Guest Editors

This Special Issue provides an excellent platform to present and discuss the design, synthesis, characterization, and utilization of gel materials for various bioengineering applications. We invite researchers and experts to contribute original research articles and comprehensive reviews that focus on the development and application of innovative gel-based materials in the field of bioengineering.

Topics of interest include but are not limited to:

Novel synthesis methods for gel materials;
Functionalization and surface modification of gel materials;
Controlled drug delivery systems using gel materials;
Gel-based scaffolds for tissue engineering and regenerative medicine;
Responsive and stimuli-sensitive gel materials;
Gel materials for biosensing and diagnostic applications;
Biocompatibility and biodegradability of gel materials.

We look forward to receiving your contributions and believe that this Special Issue will contribute significantly to the advancement of gel materials in bioengineering and foster collaborations within the scientific community.

Guest Editors

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Deadline for manuscript submissions

closed (31 January 2025)

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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

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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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