Special Issue

Advances in the Medical Applications of Gel Technologies

Message from the Guest Editors

This Special Issue seeks to showcase innovative research and developments in the formulation, Characterisation, and application of gels in medical contexts. We welcome original research, review articles, and case studies that highlight the role of gel-based systems in improving therapeutic outcomes, enhancing patient care, and addressing challenges in modern medicine. The scope of this Special Issue includes, but is not limited to, the following topics:

- The design and development of bioactive gels for wound healing;
- Injectable and transdermal gel systems for targeted drug delivery;
- Hydrogels and hybrid materials in tissue engineering;
- Gel formulations for controlled and sustained drug release;
- Advances in the in vitro and in vivo evaluation of medical gels;
- Biocompatibility and safety considerations for clinical applications;
- Novel methodologies for characterizing gel properties and performance.

Guest Editors

Dr. Mandeep Kaur Marwah

Dr. Anisa Mahomed

Dr. Alexey Vertegel

Deadline for manuscript submissions

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

mdpi.com/journal/gels

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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
Biomimetic Materials and Tissue Engineering Laboratory, Department of Chemical Engineering, University of South Carolina, Columbia, SC 29208, USA

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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