

## Special Issue

# Chemical Properties and Application of Gel Materials

### Message from the Guest Editors

This Special Issue on "Chemical Properties and Applications of Gel Materials" is dedicated to exploring the unique chemical properties of gel materials as well as their diverse applications across a wide range of fields, from healthcare to the food industry and from environmental remediation to advanced electronic devices. Understanding how the chemical components govern gel formation, microstructure, and mechanical properties is essential for harnessing their full potential in specific applications. In this Special Issue, we invite contributions exploring the structure–property relationships of gel materials, shedding light on their synthesis, characterization, and manipulation. In addition to elucidating gel materials' chemical and physical properties, contributions exploring the use of gel materials in drug delivery systems, tissue engineering, environmental remediation, food science, cosmetics, and advanced electronic devices are highly encouraged. This Special Issue aims to provide an interdisciplinary discussion and inspire further advancements in this field by highlighting the theoretical foundations and applications of gel materials.

### Guest Editors

Dr. Jiahui Liu  
Dr. Wen Sun  
Dr. Xiaolong Zeng

### Deadline for manuscript submissions

closed (30 July 2025)



## 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.

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### Editor-in-Chief

Prof. Dr. Esmail Jabbari

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

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### Author Benefits

#### High visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, PMC, CAPus / 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 13.5 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the second half of 2025).