

## Special Issue

# Social Implementation of Advanced Gel Materials

### Message from the Guest Editors

Many papers have been published on the science and technology of gel materials. Recently, gel materials with ultra-high strength, self-healing properties, and biocompatibility have been developed, and new gels are also being developed, including structures that degrade in nature. These gel materials are used as electrolytes in lithium secondary batteries, sensor probes, cushioning materials, and low-friction materials. A wide range of research is being conducted, from basic research to applied research to practical materials. In this context, this Special Issue welcomes papers on gel materials that are aimed at or have been put into practical use. The practical use of gels requires great ingenuity, not only in the chemical composition and molecular structure of the gel but also in its engineering, including thinning, molding, bonding with different materials, dimensional stability, heat resistance, and durability. This Special Issue welcomes papers that focus not only on the basic chemistry of gels with new functions, but also on the engineering for practical application of gels.

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### Guest Editors

Prof. Dr. Takaya Sato

Dr. Katsuhiko Sato

Prof. Dr. Toshio Kamijo

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### Deadline for manuscript submissions

closed (31 March 2025)



## Gels

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Impact Factor 5.3  
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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 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).