

## Special Issue

# Stimuli-Responsive Composite Gels

### Message from the Guest Editor

This Special Issue of "Stimuli-Responsive Composite Gels" focuses on recent advances in theoretical and fundamental aspects of the synthesis, characterization, material properties, and applications of a wide range of composite gels, including not only polymer gels containing inorganic substances, but also polymer-polymer composite gels with stimuli-responsive properties. The physicochemical properties of stimuli-responsive composite gels dramatically change in response to the external stimuli such as temperature, pH, solvent composition, physical fields, or electromagnetic waves, and they have attracted considerable attention in the past few decades. Recently, stimuli-responsive composite gels have been used in industrial products, demonstrating excellent responses to stimuli. This Special Issue welcomes submissions based on gel science and technology, from the fundamentals to applications close to practical products.

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### Guest Editor

Dr. Tetsu Mitsumata

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### Deadline for manuscript submissions

closed (15 May 2024)



## 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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