

## Special Issue

# Recent Research Trends in New Generation Polymer Gels

### Message from the Guest Editors

Research investigations of polymer gels have been always cutting-edge topics in the field of polymeric materials science. While a fundamental understanding of the physicochemical characteristics of polymer gels, as well as the synthetic pathways of various classical polymer gels, seems to be firmly established, methods to improve polymer gel's properties are still vigorously examined by numerous researchers. The behavior of natural polymer gels, which are often encountered in the course of biological macromolecules, is more complicated and also of great interest. Investigations on new-type polymer gels with novel inner structures (i.e., polyrotaxane slide-ring gels, tetra-PEG gels, nanocomposite gels, double network gels, etc.) have also presented many fascinating outcomes, within the last two decades. We are proud to introduce this Special Issue summarizing current research investigations on polymer gel studies, particularly those that include supramolecular-structured polymer gels.

### Guest Editors

Dr. Jun Araki

Prof. Kohzo Ito

Prof. Yukikazu Takeoka

### Deadline for manuscript submissions

closed (1 December 2021)



## 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

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