



*gels*



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## Social Implementation of Advanced Gel Materials

Guest Editors:

**Prof. Dr. Takaya Sato**

National Institute of Engineering,  
Okinawa College, 905 Henoko,  
Nago, Okinawa 905-2192, Japan

**Dr. Katsuhiko Sato**

Faculty of Pharmaceutical  
Science, Tohoku Medical and  
Pharmaceutical University, 4-4-1  
Komatsushima, Aoba, Sendai,  
Miyagi 981-8558, Japan

**Prof. Dr. Toshio Kamijo**

Department of Creative  
Engineering, National Institute of  
Technology, Tsuruoka College,  
104 Sawada, Inooka, Tsuruoka,  
Yamagata 997-8511, Japan

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### 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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# Special Issue



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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

## 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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## Contact Us

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*Gels* Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
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