



gels



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Functional Gel Materials and Applications

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Message from the Guest Editors

Gels are liquid swollen networks with fascinating functionalities. Sometimes, they also represent a physical state for materials between liquid and solid. Recent years have witnessed rapid growth in gels and their applications. With the rational molecular design, gels can respond to many environmental stimulations. Owing to the soft textures, gels are usually employed in biological fields for wound healing and tissue engineering. Through the diverse approaches to strengthening gels, they can tolerate large external forces for long-term services, thus being applied to flexible electronics and soft machines. In addition, some unique functions of gels are achieved by mimicking biological intelligence.

This Special Issue, “Functional gel materials and applications”, aims to provide a platform to present the latest innovative progress on gels, including different network designs and unique usages. In addition, works that report the deep structure information of a gel and present correlations between the molecular structures and functions are also welcome.



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Special Issue



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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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