Special Issue

Aerogels for Environmental Applications

Message from the Guest Editor

Dear colleagues, Aerogel-based materials have attracted considerable attention in terms of their extremely high application potential in the environmental field, due to their remarkable advantages, such as lightweight, large surface area, high porosity, easy surface functionalization, and so on. Over the last decade, numerous aerogel materials have been developed to solve the severe environmental issue. However, high-performance aerogel materials featuring excellent application functionality, facile and versatile preparation technology, desirable mechanical strength, remarkable reusability, and good resistance for harsh environments are still urgently required yet still a big challenge to fabricate. In this Special Issue, we will focus on the recent important progress regarding the preparation, characterization, and application of aerogel materials for environmental applications. Specifically, aerogel material types may be involved but not limited to the bio-based materials, carbon-based materials, polymer-based materials, inorganic materials, and novel materials.

Guest Editor

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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.

Editor-in-Chief

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