



gels



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Advances in Aerogel Composites

Guest Editor:

Prof. Dr. Lingbin Lu

School of Materials Science and Engineering, Hainan University, Haikou 570228, China

Deadline for manuscript submissions:

closed (31 May 2022)

Message from the Guest Editor

Dear Colleagues,

As the lightest material in the world, interest in the application scope of, and the variety of materials related to, aerogels has significantly increased in recent decades. The source of aerogels has expanded from traditional organic and inorganic matter to biomass and natural polymers. The application scope of aerogels extends from insulation materials to drug carriers, environmental mediators, sorbents, supercapacitors, and catalysts. At the same time, there is a clear tendency in the aerogel community to combine different matrices by doping, co-gelation, or post-treatment in order to tailor the aerogel properties for a specific application. This is the path forward, which enables further commercialization of different aerogel types. This Special Issue aims to highlight recent advances in research on aerogel composites. We welcome submissions covering key aspects of aerogel composites from all facets, including fundamental studies and application-focused research.

Prof. Dr. Lingbin Lu
Guest Editor



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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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Gels Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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