Special Issue

Preparation and Functionalization of Nano-Cellulose Aerogel

Message from the Guest Editor

One of the most significant research topics for the development of sustainable chemistry is realizing the high-value use of biomass resources. Because of its high porosity, low density, and biodegradability, nano-cellulose aerogel holds a lot of promise in the areas of thermal insulation, catalyst carrier, and environmental remediation, etc. As a result, comprehending how to prepare cellulose aerogels efficiently and inexpensively, regulating the microstructure of cellulose aerogels, and achieve the functionalization of cellulose aerogels are critical for boosting the use of biomass resources.

Guest Editor

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Deadline for manuscript submissions

closed (31 October 2022)

Gels

an Open Access Journal by MDPI

Impact Factor 5.3
CiteScore 7.6
Indexed in PubMed

mdpi.com/si/103398

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Message from the Editorial Board

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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