Special Issue

Advances in Hybrid Gels Films

Message from the Guest Editors

Recently, the replacement of fossil-based techniques for various fields such as pollution control, biomedicine, etc., using green materials or approaches has emerged as a key research hotspot. Bio-based gels films or composites are the most appropriate candidates for this due to the biocompatibility, low-cost, and the dominant barrier properties, etc. The hybrid gels consisting of nanofillers and the functional biopolymers provide another approach for synthesizing functional materials. The high dispersion of the nanomaterials in gels dramatically increases the mechanical, barrier, antimicrobial, and antioxidant properties of the films and composites. Thus, this Special Issue of *Gels*, entitled "Advances in Hybrid Gels Films", aims to collect up-to-date advances in the broad subject area of hybrid gels films. Studies, research articles and reviews on gel-based films, gel-based composites, gel with nano or macro fillers, as well as novel hybrid and functional gels are welcome.

Guest Editors

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Deadline for manuscript submissions

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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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manuscripts are peer-reviewed and a first decision is provided to authors approximately 12.5 days after submission; acceptance to publication is undertaken in 2.7 days (median values for papers published in this journal in the first half of 2025).

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