Special Issue

Gels for Removal and Adsorption

Message from the Guest Editors

Gels (aerogels, hydrogels, etc.) hold huge potential in the adsorption and removal of substances because of their abundant and tunable porous structure, lightweight properties, and programmable surface groups, which are beneficial to specifically and efficiently capture targeted substances. This Special Issue is focused on the application of gels for adsorption and removal.

- The targeted substances include but are not limited to gaseous, liquid, and solid states.
- We also welcome research on the adsorption and removal of other special states of matter, such as plasmas, supercritical materials, liquid crystals, and superconductive materials.
- This Special Issue also covers gels for the absorption and controlled release of drugs in postoperative repair dressing and wound healing. For these applications, the gels have to be constructed responsively or intelligently geared towards certain environmental stimulation, such as pH, light, magnetic field, electric field, and temperature for controlled drug release.

The paper type can be original research article, rapid communication, and review. Submissions of experimental and field studies are both welcomed.

Guest Editors

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Deadline for manuscript submissions

closed (15 July 2023)

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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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Author Benefits

High visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, PMC, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q1 (Polymer Science) / CiteScore - Q1 (Organic Chemistry)

Rapid Publication:

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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