



gels



an Open Access Journal by MDPI

Gels for Removal and Adsorption

Guest Editors:

Dr. Daxin Liang

Dr. Ting Dong

Dr. Yudong Li

Prof. Dr. Caichao Wan

Deadline for manuscript
submissions:

closed (15 July 2023)

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.

1. The targeted substances include but are not limited to gaseous, liquid, and solid states.
2. 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.
3. 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.



mdpi.com/si/115895

Special Issue



gels



an Open Access Journal by MDPI

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.

Author Benefits

Open Access: free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

High visibility: indexed within [Scopus](#), [SCIE \(Web of Science\)](#), [PubMed](#), [PMC](#), [CAPus / SciFinder](#), and [other databases](#).

Journal Rank: JCR - Q1 (Polymer Science) / CiteScore - Q2 (Polymers and Plastics)

Contact Us

Gels Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/gels
gels@mdpi.com
[X@Gels_MDPI](#)