Special Issue

Advances in Aerogel-Based Composites and Their Electrochemical Applications

Message from the Guest Editors

This Special Issue showcases research in aerogel-based composites, with a strong emphasis on their electrochemical applications. We invite contributions that address key challenges and innovations in the field, including but not limited to:

- The development of advanced aerogel-based electrode materials,
- Electrolyte compatibility and system integration
- Studies on electrochemical mechanisms, kinetics, and performance enhancement strategies.

We particularly welcome interdisciplinary studies that bridge fundamental science and application-driven advancements, aiming to accelerate the development of aerogel-based electrochemical technologies for real-world energy and environmental solutions. Join us in shaping the future of aerogel research!

Guest Editors

Dr. Taehee Kim
Dr. Chuanhui Huang
Prof. Dr. Jean-Michel Guenet

Deadline for manuscript submissions

31 March 2026

Gels

an Open Access Journal by MDPI

Impact Factor 5.3
CiteScore 7.6
Indexed in PubMed

mdpi.com/si/240434

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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

Prof. Dr. Esmaiel Jabbari
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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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