Special Issue

Environmentally Friendly Gels

Message from the Guest Editors

Environmentally friendly gels represent complex polymer systems whose properties are governed by chain connectivity, secondary bonding interactions, and multi-scale intermolecular forces. This Special Issue on "Environmentally Friendly Gels" focuses on recent advances in biodegradable gels for ion adsorption in water treatment and electrochemical ion transport, covering the entire research pipeline from theoretical calculations, crosslinking synthesis, and physical characterization to practical applications. Topics will span interdisciplinary discussions on aggregated structure and dynamics, dynamic and adaptive behavior, and ion transport applications. Given the breadth of environmentally friendly gel science, this Special Issue will feature select representative cases to highlight the complexity and challenges of the field, hoping to inspire new research and discoveries in the gel community.

Guest Editors

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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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