

Special Issue

Green Gels—Design, Optimization and Applications in Water Depollution

Message from the Guest Editor

The intimate connection between water and human health is highly responsible for the substantial interest given to the treatment and preservation of water sources, as their contamination is all the more continuously increasing. Thus, this Special Issue endeavors to publish new approaches addressing the challenge of offering viable solutions for water pollution mitigation. Authors are invited to submit research articles, review papers and case studies directed toward the design of gels (aerogels, hydrogels, composite gels etc.) by using environmentally friendly formulations. Highlights on the application of green gels for removing persistent pollutants (heavy metals, dyes, pesticides etc.) from water are expected. Recent advances obtained in process optimization (ranging from gel preparation to water purification) with a focus on reducing the consumption of resources, time and energy are also welcome.

Guest Editor

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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. Esmail Jabbari

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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).