

Special Issue

Design of Supramolecular Hydrogels

Message from the Guest Editors

Supramolecular hydrogels, a fascinating class of soft materials, have gained significant attention in recent years due to their wide-ranging applications in fields such as drug delivery, tissue engineering, and environmental remediation. The Special Issue “Design of Supramolecular Hydrogels” aims to provide a comprehensive platform for researchers to showcase their innovative work and insights into the development and applications of supramolecular hydrogels.

The aim of this Special Issue is to explore various aspects of supramolecular hydrogel design, including the rational design of molecular building blocks, predicting gel-state properties, the incorporation of functional elements, and the optimization of gelation processes. We encourage the submission of contributions presenting the characterization of these hydrogels, their mechanical properties, elucidation of their unique self-assembly mechanisms, and exploration of potential applications in diverse fields. The submission of both theoretical and experimental studies is welcome.

Guest Editors

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Deadline for manuscript submissions

closed (15 April 2025)



Gels

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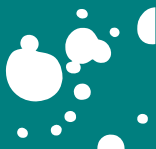


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About the Journal

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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Author Benefits

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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).