Special Issue

Hydrogel for Environmental Application

Message from the Guest Editors

This Special Issue aims to engage with a wide spectrum of research integrated with an environmental issue. Indeed, articles involving green, eco-friendly processes and/or materials are welcome. Environmental science as well as environmental strategies including the synthesis of hydrogel-based biological processes and biological extract (plant and microbial) are welcome in this Special Issue. Additionally, nanocomposite-based biopolymers and biopolymers modified with green nanomaterial are also welcome. As the most key feature, this Special Issue aims to highlight the importance of the environmental materials described as green and ecofriendly. Interestingly, these materials are described as having unique features that are summarized as biodegradable, biocompatible, low toxic, and have other excellent biological activities. Finally, the presented Special Issue will be offered an excellent collection of unique original articles and review articles that report on hydrogel biopolymers and nanomaterials for environmental applications.

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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