

Special Issue

Advanced Research of Aquatic Gels and Their Applications

Message from the Guest Editor

This Special Issue aims to inform the reader of advanced research of aquatic gels and their applications by inviting colleagues researching marine biogeochemistry, fresh water ecology, wastewater/sludge treatment, pollutant fate, and atmospheric science to report on advances in the study of:

- Sources, characteristics, and release mechanisms of gel-like materials in aquatic systems including oceanic/fresh water and wastewater;
- Aggregation and sedimentation of gel-like materials and their environmental implications;
- Aquatic gel interactions with pollutants, including changing fate, partitioning, toxicity, mobility, etc.;
- Novel measurement and observation technologies for the properties of aquatic gels;
- Effect of gel-like substances on surface corrosion and biofouling/biofilm formation;
- Studies on the role of gels in air–water interfacial physics and chemistry;
- Application of engineered and natural gels for pollutant remediation.

Guest Editor

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Deadline for manuscript submissions

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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

High visibility:

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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).