

Special Issue

High Performance Gels

Message from the Guest Editors

This Special Issue aims to present recent updates on the development, characterization, and potential application of high-performance gels. Potential topics include, but are not limited to, the following:

- Design, development, and in-depth characterization of gel-based micro- and/or nano-carriers.
- Study of stability, drug/compound-release kinetics, and release mechanisms of gel-based particles.
- Study of the functional properties of gel-based carrier formulation.
- In vivo biodistribution and pharmacokinetic studies of gel-based carriers.
- Pharmacological studies of gel-based carriers concerning human diseases.
- Toxicity aspects and biological safety of the gel-based carrier formulations in cellular and/or animal model.
- Clinical trial studies on the efficacy of bioactive compounds or drug-loaded gel-based carriers.
- Development of gel-based food and cosmetic products.

Guest Editors

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Deadline for manuscript submissions

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Gels

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About the Journal

Message from the Editorial Board

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.

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 13.5 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the second half of 2025).