# Special Issue

# Shaping the Future with Thermoresponsive Gels: Smart Materials for Emerging Technologies

## Message from the Guest Editors

Thermoresponsive gels are a dynamic class of materials that undergo reversible physical or chemical changes in response to temperature fluctuations. These smart gels have garnered significant interest due to their diverse applications, including drug delivery, tissue engineering, smart coatings, and soft robotics. This Special Issue of Gels aims to explore recent advances in the design, synthesis, and application of thermoresponsive gels. Topics of interest include novel polymer architectures, mechanisms of thermoresponsiveness, biocompatible and biodegradable systems, and the integration of these materials into innovative technological solutions. This Special Issue aims to bring together leading research on thermoresponsive gel systems, highlighting their potential to address critical challenges in science, engineering, and medicine.

## Guest Editors

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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

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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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