

## Special Issue

# Hydrogels: Properties and Applications in Medicine

### Message from the Guest Editors

Hydrogels are at the forefront of biomedical innovation, offering unique opportunities to bridge material science and medicine. The Special Issue “Hydrogels: Properties and Applications in Medicine” invites authors to contribute original research articles, communications, and reviews that explore the design, synthesis, characterization, and biomedical applications of hydrogels and nanogels. Topics of interest include smart and stimuli-responsive hydrogels, nanocomposite hydrogels, photoactive nanogels, and their translation into clinical practice. This Special Issue aims to provide a dynamic platform for showcasing the latest developments and fostering interdisciplinary collaboration between chemists, materials scientists, engineers, and biomedical researchers. We encourage you to share your latest findings and innovative perspectives to advance the growing field of hydrogel-based technologies and their transformative role in modern medicine.

### Guest Editors

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### Deadline for manuscript submissions

10 September 2026



## 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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### Editors-in-Chief

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