

Special Issue

Chitosan-Containing Hydrogels and Their Applications

Message from the Guest Editors

This Special Issue of *Gels*, entitled “Chitosan-Containing Hydrogels and Their Applications”, is dedicated to the latest research in the field of chitosan-based hydrogels: from fundamental aspects to particular applications. It aims to discuss the preparation, kinetics and thermodynamics of gel formation, and the properties of hydrogels and their practical applications. Research and review papers are invited on topics including, but not limited to:

- Obtaining chitosan-containing hydrogels and their derivatives; the kinetics of gelation.
- New cross-linking reagents, including biologically active and environmentally friendly ones.
- Graft and block copolymers of chitosan in the production of hydrogels.
- Chemical structure; surface morphology; rheological, viscoelastic and other properties.
- Composite, supramolecular and emulsion hydrogels.
- Colloidal nanogels and microgels.
- Thermosensitive hydrogels in situ.
- Structural anisotropic and biomimetic hydrogels.
- Practical applications of chitosan-based hydrogels.

Guest Editors

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Deadline for manuscript submissions

closed (25 November 2023)



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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

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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).