

Special Issue

Polymer-Based Hydrogels Applied in Drug Delivery

Message from the Guest Editors

Hydrogels have gathered significant attention across a wide array of scientific disciplines, demonstrating their versatility and potential in numerous applications. They highlight a prospective area, with a constant increase in the number of articles describing innovative research.

This Special Issue aims to highlight the most novel advancements in drug delivery systems formulated as hydrogels. The focus will be on innovations in the design of hydrogel-based formulations as well as the methods for their characterization. The developed hydrogels may be designed for all of the drug delivery routes, including ophthalmic, nasal, buccal, sublingual, oral, pulmonary, and vaginal routes, and may contain various polymers, both synthetic and from natural sources.

We believe that this Special Issue will serve as an important resource for researchers striving to advance the fields of pharmaceuticals and hydrogel science. We cordially invite you to submit your original research articles and review papers for consideration.

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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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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).