

Special Issue

Self-Healing Hydrogels

Message from the Guest Editors

It is my pleasure to invite you to submit a research or review article to this Special Issue on “Self-Healing Hydrogels” in the journal *Gels*. Hydrogels are three-dimensional (3D) cross-linked porous polymer networks containing high water content and have been widely used in various biomedical, electrical, and environmental engineering applications. In this Special Issue, we welcome the submission of manuscripts that deal with the rational design of self-healing hydrogels through different approaches, including but not limited to physical crosslinking, dynamical covalent crosslinking, or cooperation of physical and dynamical covalent crosslinking. And their related applications in various fields such as controlled release, drug delivery, tissue engineering, flexible electronics, and so on. Review articles that provide up-to-date progress of the fields are also encouraged.

Guest Editors

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Deadline for manuscript submissions

closed (10 September 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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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).