

Special Issue

Advances in Smart and Tough Hydrogels

Message from the Guest Editors

We are delighted to announce the launch of the newest Special Issue of *Gels*, “Advance in Smart and Tough Hydrogels”, which is dedicated to recent developments from theoretical and fundamental aspects to the synthesis, characterization, and applications of smart and tough gels. Since the discovery of polymeric gels, scientists have conducted in-depth explorations of chemical structures, network distributions, and functional and component regulations for hydrogels in order to adapt to the application of hydrogels in different fields. As the hottest topics in the field of hydrogels, both stimuli-responsive (smart) hydrogels and tough hydrogels have attracted widespread attention. Since this topic is of interest to a wide audience of researchers in different fields, including (but not limited to) physical science, chemistry, materials science, mechanical engineering, biomedical and tissue engineering, etc., we believe that the launch of this topic will stimulate new research and discoveries in the field of smart and tough hydrogels. We look forward to receiving your contributions.

For more information, please visit: mdpi.com/si/110953.

Guest Editors

Dr. Dong Zhang

Prof. Dr. Jintao Yang

Dr. Xiaoxia Le

Prof. Dr. Dianwen Song

Deadline for manuscript submissions

closed (5 August 2023)



Gels

an Open Access Journal
by MDPI

Impact Factor 5.3
CiteScore 7.6
Indexed in PubMed



mdpi.com/si/110953

Gels
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
gels@mdpi.com

[mdpi.com/journal/
gels](https://mdpi.com/journal/gels)





Gels

an Open Access Journal
by MDPI

Impact Factor 5.3
CiteScore 7.6
Indexed in PubMed



[mdpi.com/journal/
gels](https://mdpi.com/journal/gels)



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.

Editors-in-Chief

Prof. Dr. Esmail Jabbari

Biomimetic Materials and Tissue Engineering Laboratory, Department of Chemical Engineering, University of South Carolina, Columbia, SC 29208, USA

Prof. Dr. Chuanliang Feng

State Key Lab of Metal Matrix Composites, School of Materials Science and Engineering, Shanghai Jiao Tong University, Shanghai 200240, China

Author Benefits

High visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, PMC, CAPIus / 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 13.5 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the second half of 2025).