

Special Issue

Polysaccharide-Based Gels

Message from the Guest Editor

This Special Issue, entitled “Polysaccharide-Based Gels”, is dedicated to recent advances in the preparation, properties, and application of polysaccharide-based gel composites. The scope of this Special Issue includes, but is not limited to, the following topics:

- Biomedicine, including drug delivery and controlled release, tissue engineering scaffolds, and biosensors;
- Environmental protection, including wastewater treatment and degradable packaging materials;
- Energy, including flexible electrode materials or electrolytes and photocatalyst carriers;
- The food industry, including smart packaging and functional food additives;
- Smart materials, including responsive gels and flexible electronics.

Polysaccharide-based gel composite materials are expected to contribute to the development of more innovative applications in the future due to their sustainability and diversified performance.

Guest Editor

Dr. Longxiang Zhu

Institute of Functional Textiles and Advanced Materials, College of Textiles and Clothing, Qingdao University, Qingdao 266071, China

Deadline for manuscript submissions

31 August 2025



Gels

an Open Access Journal
by MDPI

Impact Factor 5.3
CiteScore 7.6
Indexed in PubMed



mdpi.com/si/225295

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 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

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

Author Benefits

High visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, PMC, CAPus / 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 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).