

Special Issue

Development of Polymer Gels for Cancer Treatment

Message from the Guest Editors

Cancer remains a leading cause of deaths around the world. Many studies have attempted to look for novel and potent anticancer therapies. Among various strategies, polymer gels, including hydrogels, thermoresponsive gels, and pH-responsive gels, are engineered and functionalized to serve as an artificial tumor microenvironment used for investigating both the response of heterogenous tumor cells in a more predictive niche and the controlled and targeted delivery of therapeutic agents to cancer cells embedded into gels. These materials may also incorporate imaging agents, enabling the real-time monitoring of treatment progress. To foster scientific discussion and collaboration, we invite colleagues from various scientific fields to contribute their research findings and review articles to our Special Issue in *Gels*. This platform aims to showcase the latest advancements in polymer gel-based materials used for cancer treatment.

Guest Editors

Dr. Silvia Scaglione

National Research Council of Italy, Institute of Electronic, Computer and Telecommunications Engineering (IEIT), 16149 Genoa, Italy

Dr. Massimo Vassalli

Division of Biomedical Engineering, Centre for the Cellular Microenvironment, James Watt School of Engineering, Mazumdar-Shaw Advanced Research Centre, University of Glasgow, Glasgow G11 6EW, UK

Deadline for manuscript submissions

closed (31 August 2024)



Gels

an Open Access Journal
by MDPI

Impact Factor 5.3
CiteScore 7.6
Indexed in PubMed

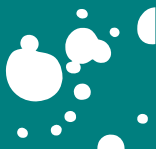


mdpi.com/si/193425

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).