Special Issue

Gels: Applications in Drug Delivery and Tissue Engineering

Message from the Guest Editor

As a three-dimensional scaffold material with good hydrophilicity, hydrogel has a wide range of applications in repairing bone, cartilage, muscle, and skin. The mechanical properties, surface morphology, topological structure, degradation properties, and other physical and chemical properties of hydrogels are importantly related to the effect of tissue repair. In addition to the ability of hydrogel to regulate the repair of soft and hard tissues, it can also be loaded with drugs (such as water-soluble drugs or poorly soluble drugs loaded on nanoparticles), which can not only ensure the stability of the drug but also improve the sustained release effect of the drug, thereby regulating tissue regeneration through the action of drugs. This Special Issue on "Gels: Applications in Drug Delivery and Tissue Engineering" focuses on original research papers and comprehensive reviews. This Special Issue aims to illustrate the recent development and future perspectives of gels in drug delivery and tissue engineering.

Guest Editor

Prof. Dr. Jinfeng Liao
West China Hospital of Stomatology, Sichuan University, Chengdu 610064, China

Deadline for manuscript submissions

closed (20 December 2022)

Gels

an Open Access Journal by MDPI

Impact Factor 5.3
CiteScore 7.6
Indexed in PubMed

mdpi.com/si/103734

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

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

MDPI

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. Esmaiel 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, CAPlus / 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).