gels

an Open Access Journal by MDPI

IMPACT FACTOR 4.6

Indexed in: PubMed

CITESCORE 2.9

Advanced Gels for Wound Healing

Guest Editor:

Prof. Dr. Ansha Zhao
School of Materials Science and Engineering, Southwest Jiaotong University, Chengdu 610031, China

Deadline for manuscript submissions:
23 August 2024

Message from the Guest Editor

Dear Colleagues,

Advanced gels for wound healing are a type of medical dressing designed to promote the healing of wounds by providing a moist environment that facilitates the growth of new tissue. These gels typically contain active ingredients such as growth factors, antimicrobial agents, and extracellular matrix components that help to stimulate cell proliferation and migration, reduce inflammation, and prevent infection. Advanced gels can be used to treat a wide range of wounds, including burns, pressure ulcers, diabetic foot ulcers, and surgical wounds. They offer several advantages over traditional wound dressings, including improved healing rates, reduced scarring, and increased patient comfort. In this sense advanced gels may represent a promising regenerative material with multiple functions for wound healing.

This Special Issue aims to address studies approaching the development, characterization, and biological evaluation of hydrogel dressing.

gels

IMPACT FACTOR 4.6 | Indexed in: PubMed | CITESCORE 2.9

an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Esmaiel Jabbari
Biomimetic Materials and Tissue Engineering Laboratory, Department of Chemical Engineering, University of South Carolina, Columbia, SC 29208, USA

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.
High visibility: indexed within Scopus, SCIE (Web of Science), PubMed, PMC, CAPlus / SciFinder, and other databases.
Journal Rank: JCR - Q1 (*Polymer Science*)

Contact Us

Gels Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/gels
gels@mdpi.com
𝕏@Gels_MDPI