

Special Issue

Gel-Based Novel Wound Dressing

Message from the Guest Editors

The task of the dressing materials so far was mainly to provide a protective barrier against the external environment. Currently, the expectations for these materials are much higher. It is desirable to design dressings that will also be able to absorb the wound exudate, prevent bacterial infections, and even support the wound regeneration processes via releasing into the wound various substances with therapeutic properties. Many studies are currently being performed on gel-based wound dressings so as to develop materials demonstrating the mentioned previously properties aiming at designing systems most conducive to wound healing. Thus the main aim of this Special Issue is to present the synthesis methodology, and the detailed studies on gel-based wound dressings. The works focusing on such dressings modified additionally with various substances enhancing the materials with properties beneficial in terms of the wound healing process are highly welcome.

Guest Editors

Dr. Anna Drabczyk

CBRTP SA - Research and Development Center of Technology for Industry, Ludwika Waryńskiego 3A St., 00-645 Warsaw, Poland

Dr. Sonia Kudłacik-Kramarczyk

Department of Materials Science, Faculty of Materials Engineering and Physics, Cracow University of Technology, 31-864 Krakow, Poland

Deadline for manuscript submissions

closed (31 March 2025)



Gels

an Open Access Journal
by MDPI

Impact Factor 5.3
CiteScore 7.6
Indexed in PubMed



mdpi.com/si/174692

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).