gels

IMPACT FACTOR 4.6

Indexed in: PubMed

CITESCORE 2.9

an Open Access Journal by MDPI

Gel-Based Novel Wound Dressing

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:
31 October 2024

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.

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