

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.

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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.

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