Special Issue

Recent Advances in Hydrogels for Wound Healing

Message from the Guest Editors

Hydrogels for wound healing have attracted much attention in recent decades. Hydrogel is a three-dimensional network structure polymer gel with similar structural characteristics to extracellular matrix and adjustable physical and chemical properties. Hydrogel-based dressings exhibit excellent gas permeability, high water absorbency and favorable biocompatibility. In particular, hydrogels can be further functionalized by compounding functional substances and forming functional hydrogel dressings that meet clinical needs. This Special Issue on “Recent Advances in Hydrogels for Wound Healing” is dedicated to recent developments in the design, properties and mechanism of hydrogels for wound healing. We invite experts to contribute to this research topic to discuss the improvements in the design and fabrication of novel hydrogels and explore the potential of hydrogels for wound healing. Publication of original research articles, rapid communications or reviews in this Special Issue will make an important contribution to developing hydrogel-based dressing.

Guest Editors

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Deadline for manuscript submissions

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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

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