

Special Issue

Nanocomposite Hydrogels for Drug Delivery and Wound Healing

Message from the Guest Editors

This Special Issue, titled "Nanocomposite Hydrogels for Drug Delivery and Wound Healing", aims to explore the applications of nanocomposite hydrogels in drug delivery and wound healing.

In the realm of drug delivery, nanocomposite hydrogels act as sophisticated controllable reservoirs. The incorporation of nanofillers not only reinforces the hydrogel matrix, enabling more sustained release kinetics, but can also be engineered to respond to specific biological stimuli. For wound healing, these materials provide an ideal multifunctional dressing. Their high water content maintains a moist environment conducive to tissue regeneration, while their robust mechanical strength ensures integrity during application. Furthermore, they can facilitate real-time monitoring of the healing process and support the formation of new tissue and blood vessels.

I am pleased to invite you, a renowned expert in the field, to contribute to this Special Issue, which will help promote the development of scientific studies on drug delivery and wound healing.

Guest Editors

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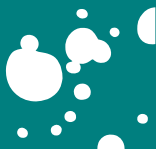
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About the Journal

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

Prof. Dr. Esmail Jabbari

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