

Special Issue

Advanced Gels for Wound Healing

Message from the Guest Editor

Advanced gels for wound healing are a type of medical dressing designed to promote the healing of wounds by providing a moist environment that facilitates the growth of new tissue. These gels typically contain active ingredients such as growth factors, antimicrobial agents, and extracellular matrix components that help to stimulate cell proliferation and migration, reduce inflammation, and prevent infection. Advanced gels can be used to treat a wide range of wounds, including burns, pressure ulcers, diabetic foot ulcers, and surgical wounds. They offer several advantages over traditional wound dressings, including improved healing rates, reduced scarring, and increased patient comfort. In this sense advanced gels may represent a promising regenerative material with multiple functions for wound healing. This Special Issue aims to address studies approaching the development, characterization, and biological evaluation of hydrogel dressing.

Guest Editor

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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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