# Special Issue

# Nanocomposite Hydrogels in Wound Healing and Skin Care

## Message from the Guest Editors

In recent years, the convergence of nanotechnology and biomaterials has led to groundbreaking advancements in the development of nanocomposite hydrogels for applications in wound healing and skin care. Nanocomposite hydrogels, with their unique combination of nanomaterials and hydrophilic polymers, have shown great promise in enhancing wound healing processes and revolutionizing skin care strategies. This Special Issue aims to bring together the latest research findings and innovations in the field, providing a platform for scientists, researchers, and practitioners to exchange ideas and insights. Topics of interest include, but are not limited to, the following: Synthesis and characterization of nanocomposite hydrogels; Drug delivery systems integrated into nanocomposite hydrogels; Biocompatibility and biofunctionality assessments; Antimicrobial properties of nanocomposite hydrogels; Clinical applications and translational studies; Mechanistic insights into the wound healing process; Cosmetic and dermatological applications of nanocomposite hydrogels.

## Guest Editors

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## Deadline for manuscript submissions

closed (20 March 2025)

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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. Esmaiel Jabbari
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