Special Issue

Recent Advances in Gel-Based Materials for Wound Healing

Message from the Guest Editor

This Special Issue, “Recent Advances in Gel-Based Materials for Wound Healing”, will showcase the latest breakthroughs in this dynamic field. We welcome contributions that explore innovative gel designs, from stimulus-responsive and biodegradable systems to multifunctional composites integrating antimicrobial, anti-inflammatory, or regenerative properties. Topics of interest include, but are not limited to, novel synthesis methodologies, structure–function relationships, in vitro and in vivo efficacy evaluations, and translational progress toward clinical applications. By bringing together research from material science, bioengineering, and clinical medicine, this Special Issue will highlight how gel-based materials are redefining wound therapy, offering new hope for enhanced healing outcomes. We invite you to share your pioneering work and join us in advancing this vital area of research.

Guest Editor

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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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Author Benefits

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indexed within Scopus, SCIE (Web of Science), PubMed, PMC, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q1 (Polymer Science) / CiteScore - Q1 (Organic Chemistry)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 12.5 days after submission; acceptance to publication is undertaken in 2.7 days (median values for papers published in this journal in the first half of 2025).

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