



Novel Gels for Topical Applications

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Message from the Guest Editors

We are preparing a Special Issue on “Novel Gels for Topical Applications” to be published in *Gels*. Polymeric biomaterials and specifically gels have been extensively used in biomedical applications. Particularly, gels have been administrated topically for tissue regeneration (wound healing), drug delivery, and biomarker sensing. The inherent porous structure of gels recapitulates the extracellular matrix architecture, enables mass transport for drug delivery and body fluid sampling, and encourages cellular activity when used as a scaffold for tissue regeneration. Recently, gel-based biomaterials and their fabrication strategies have been engineered to enable facile and immediate preparation and implantation, improved tissue integration and regeneration with patient-specific properties, controlled immune reaction, and spatiotemporally adjusted drug delivery and biomarker sensing.

This Special Issue includes recent advancements in the topical application of gels for biomedical applications. We aim to cover novel gels and their fabrication process for wound healing, drug delivery, and biomarker sensing.





gels



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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.

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