



gels



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Gels for Biomedical Applications

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Message from the Guest Editors

Dear Colleagues,

Gels play a pivotal role in biomedical applications due to their unique physical properties and versatile capabilities such as biocompatibility, biodegradability, and adaptability to different environments. These three-dimensional polymeric crosslinked networks resemble natural tissues and are extensively used in drug delivery, tissue engineering, wound healing, and diagnostics. Gels can be designed to release drugs in a controlled manner, and tailoring their composition allows us to control biocompatibility, biodegradability, and mechanical properties, which are crucial for specific applications.

This Special Issue focuses on recent research in innovative material design, resulting in improved gel properties, stability, and functionality in the biomedical field. We welcome contributions tackling gel development, characterization, and evaluation.

Dr. Joaquim Suñer-Carbó

Dr. Helena Colom-Codina

Guest Editors



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Special Issue



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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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