

Special Issue

Properties and Applications of Biomaterials Related to Gels

Message from the Guest Editor

As an excellent biopolymer material, gel has been widely used in drug delivery, tissue engineering, disease treatment, etc. By combining different polymers, through physical or chemical changes, the prepared hydrogels can show better performance and be used in various environments. At present, the exploration of gels in biomedicine seems to be diversified. In order to adapt to the complex environment in the organism, higher requirements must put forward for the gel. Under the premise that the gel is biosafe, it must become tougher or more easily degradable according to the purpose of application, be able stay in the body for a long time to exert its effect, or be easily removed. Moreover, certain gels can even respond to changes in pH, temperature, biological indicators, or microorganisms in the body. We are interested in the intelligent properties of gels, and the condition in which these properties can be used to facilitate their applications is undoubtedly a question that researchers need to consider carefully. We look forward to your unique insights into gel properties or applications.

Guest Editor

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Deadline for manuscript submissions

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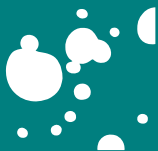


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About the Journal

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. Esmail Jabbari

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