

gels



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Global Excellence in Bioactive Gels

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Message from the Guest Editor

Bioactive gels are used globally in medicine, drug discovery, cosmetics, food products, the environment, etc. Gels have a complex three-dimensional network structure and exhibit various physical properties. For example, hydrogels are natural or synthetic polymers that swell with water. These can change their volume discontinuously and reversibly in response to external conditions such as temperature, solvent, composition, light, and electric field. Extracellular matrix hydrogels (fibrous proteins such as collagen and polysaccharides such as hyaluronic acid), synthetic polymer hydrogels, and rigid polymer materials have been used as scaffold materials, membranes, drug delivery systems (DDS), regenerative therapy, biosensors, and biological fuel cells, etc.

Here, we call for reports on ‘Global Excellence in Bioactive Gels’ in various fields of gels. Examples of topics of interest include, but are not limited to:

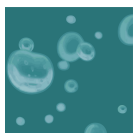
- Synthesis, properties, and functionalization of bioactive gels;
- Development and applied research of bioactive gels.

We seek to publish high-quality articles, including original research and reviews.



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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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