Special Issue

Recent Advances on Functional Stimuli-Responsive Hydrogels

Message from the Guest Editors

Hydrogels as the three-dimensional (3D) networks of cross-linked hydrophilic polymer chains have been reported to be one of the ideal carriers for the delivery of various materials ranging from drugs to cells. And the goal of this Special Issue is to introduce recent advances in functional stimuli-responsive hydrogels. We aim to offer readers insights into frontier developments in this field by presenting select high-quality studies. This Special Issue will feature recent advances in hydrogels that employ both natural and artificial stimuli to control the release of cargos to provide a better performance. Manuscripts that address the joint application of hydrogels with other novel materials, such as cell-based materials (including cell membranes and stem cells) or the application of stimuli-responsive hydrogels in new biomedical fields, are especially welcome.

Guest Editors

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Deadline for manuscript submissions

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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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