Special Issue

Smart Gels for Sensing Devices and Flexible Electronics

Message from the Guest Editors

Smart gels, also known as stimuli-responsive gels, can respond to external stimuli such as pH, temperature, humidity, electric or magnetic fields, stress, light, and chemical or biological stimuli via changing their shape, color, or size. Smart gels such as hydrogels, ionic gels, supramolecular gels, and polymeric gels modified with nanomaterials have been widely developed in recent years for application in sensors and actuators, medicine, engineering, etc. Owing to its unique stimulus-responsiveness, a smart polymeric gel has been proven to be an excellent candidate for chemical/biological sensors, wearable devices, soft robotics, and flexible electronics, exhibiting dynamic information output and a high intelligence level.

Guest Editors

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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.

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