Special Issue

Conductive Gels: Preparation, Properties and Applications

Message from the Guest Editors

Conducting gels represent a broad group of materials, in which conducting components of various natures, responsible for the electrical properties of a material, are incorporated or assembled into a network with a developed surface and good mechanical stability. In recent years, their attractive and highly tunable features, including their flexibility, self-healing capability, stimuli-responsive behavior, interconnected porous structure and high specific surface area, have been successfully used for water purification, energy storage, wearable electronics or biomedical applications. The aim of the present Special Issue is to highlight the recent advances in basic and applied research on gels with electronic conductivity, which includes (but is not limited to) novel approaches for their design, synthesis and potential applications. Original research articles, short communications and reviews are welcome.

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.

Editor-in-Chief

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