

Special Issue

Gel Materials in Advanced Energy Systems

Message from the Guest Editor

The European Green Deal, as well as other initiatives, will help achieve climate neutrality by 2050 to transform the EU and the world into a modern, resource-efficient, and competitive economy. Energy storage and conversion technologies are two important features of the current global transformation and the next "climate neutral" scenario. Therefore, highly efficient energy systems have attracted extensive research interest in recent years, with efforts focused on the development of new electrode materials and electrolytes. Due to their unique properties, such as flexibility, stretchability, and biocompatibility, gel materials are increasingly finding applications in various types of energy conversion and storage systems, such as lithium ion batteries, supercapacitors, fuel cells, etc. In order to popularize the great potential of gel materials and their application in modern energy systems, as well as to strengthen the links in academia, the Special Issue has been launched. Original research articles, reviews, and perspectives relevant to the scope of this Special Issue are welcomed.

Guest Editor

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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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