

Special Issue

Designing Gels for Catalysts

Message from the Guest Editors

Hydrogels, which are usually composed of colloidal particles or gel factors, are a kind of condensed matter with a three-dimensional network space structure filled with a dispersion medium. Hydrogels not only have a porous structure and high specific surface area but also have active functional groups such as hydroxyl, carboxyl, and amino groups on the surface of the hydrogel network, which is conducive to the coordination (or loading) of functional groups, ions, and nanoparticles. It has great application value in the fields of photocatalysis, hydrogel-based photocatalysts, gel design, etc. Therefore, it is particularly important to study the synthesis methods, performances, and structures of hydrogels, which provides a reference for the design, synthesis, and further development and utilization of hydrogels in Catalysts.

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

Prof. Dr. Esmail Jabbari

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