Special Issue

Gels in Separation Science

Message from the Guest Editor

Polymer-based hydrogels are widely used in daily life and scientific research, and can be modified and functionalized to readily obtain novel functions. Therefore, enlarging the application scope of hydrogels has attracted much attention. Once hydrogels are functionalized by introducing sensing groups, coordinating moieties, adsorbing units, and reactive sites, they can find usage in pollutant treatments. Pollutants in water, soil, and air can be detected and removed by the above-mentioned hydrogels. Functionalized hydrogels have potential to be used in the detection and separation of pollutants. This Special Issue focuses on novel hydrogels for the sensing and separation of all kinds of pollutants. Works concerning hydrogels in separation sciences are welcome.

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

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