Special Issue

New Era in the Environmental Application of Hydrogel and Aerogel

Message from the Guest Editors

The basic structural features of hydrogels and aerogels include their large surface area, which enhances the opportunity for contact with pollutants, and their well-defined porous structure, which facilitates the diffusion of pollutant molecules into the material. These properties mean that hydrogels and aerogels are ideal materials for pollutant management due to their excellent capabilities and easy recyclability. This Special Issue aims to extend the environmental applications of these materials, such as pollutant adsorption, transformation and detection, and to extend the mechanisms of hydrogel/aerogels and provide a new perspective. Although many aspects of the environmental applications of hydrogel and aerogel have been clarified so far, many phenomena remain unsolved. We believe it is time to revisit the environmental applications of hydrogel and aerogel, marking a possible second beginning of a new era in the science of gels. We look forward to the submission of new research results on the environmental applications of hydrogel and aerogel. For more information, please visit: mdpi.com/si/120889

Guest Editors

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About the Journal

Message from the Editorial Board

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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