



gels



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Gels for Water Treatment

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Message from the Guest Editors

Water is one of the most important resources of our planet. However, this very precious source is in great danger especially because of anthropic activity, such as industry, agriculture, and transport. Conventional methods of water treatment are challenging tasks for the removal of emerging contaminants. Therefore, new advanced techniques and materials have been developed to prevent, assess and fight water pollution.

Among these materials, an increasing role plays gels: hydrogels, aerogels, oleogels, composite gels, nano-hybrid gels, etc. The application of these new materials refers mostly to the purification of drinking water, the retaining of pollutants from complex matrices such as wastewaters, analysis, and sensing, but other applications are studied as well, such as catalysis and biocatalysis or slow release of some active substances.

This Special Issue is aimed to publish original research articles and recent review papers that can provide innovative insight and improve our knowledge of the most recent approaches regarding the development of new gels for water treatment in order to enhance the current methods or develop new advanced materials.



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Special Issue



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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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