Special Issue

Polymer Hydrogels: Design, Synthesis and Applications

Message from the Guest Editors

Hydrogel is a network of polymer chains with a great amount of water, exhibiting a structure that is the most similar to the extracellular matrix. This particular soft and wet characteristic endows hydrogel materials with a number of properties, including permeability to oxygen and nutrients, support for cell proliferation, making these materials attractive for use in biological applications. This Special Issue aims to report the current progress on the hydrogel materials in the biomedical applications, stressing the novel network structural design and synthesis route, as well as remarkable performances. We invite original research articles and reviews, as well as commentaries covering these topics. I look forward to your contribution.

Guest Editors

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Message from the Editor-in-Chief

As the premier open access journal dedicated to molecular chemistry, now in its 29th year of publication, the papers published in *Molecules* span from classical synthetic methodology to natural product isolation and characterization, as well as physicochemical studies and the applications of these molecules as pharmaceuticals, catalysts, and novel materials. Pushing the boundaries of the discipline, we invite papers on all major fields of molecular chemistry and multidisciplinary topics bridging chemistry with biology, physics, and materials science, as well as timely reviews and topical issues on cutting-edge fields in all of these areas.

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