

Special Issue

Advances in Chitin- and Chitosan-Based Hydrogels

Message from the Guest Editors

Nature is a great reservoir of ideas for scientists worldwide, and at the same time is the direct source of a variety of materials with diverse properties, including one of the most popular biopolymers, chitin and chitosan. It is amazing how from the shells of marine crustaceans, and from the exoskeletons of invertebrates, we can derive products that will be later used in a variety of applications ranging from scaffolds for tissue engineering to drug delivery devices, wound patches, wastewater management technology, food packaging, and agricultural materials. We start with chitin, then we have its N-deacetylated derivative chitosan, and from there a variety of subsequent modifications are possible. This results in a great library of chitin- and chitosan-based biopolymers and their composites that can be used to formulate hydrogels characterized by a set of useful properties. We invite you to share your latest research on chitin- and chitosan-based hydrogels and subject-relevant reviews by submitting your manuscript to this Special Issue. For more information, please visit: mdpi.com/si/114824.

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

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