

Special Issue

Recent Developments in Bio-Based Hydrogels

Message from the Guest Editor

Due to increasing environmental concerns, natural and renewable materials have attracted more attention because of their biodegradability, biocompatibility, renewability, non-toxicity, and environmental sustainability. Bio-based hydrogels have been successfully prepared from cellulose, chitin, chitosan, alginate, starch, and gelatin and have been of great interest in various applications, such as medical, pharmaceutical, agricultural, sensor, food, cosmetic, and waste treatment. This Special Issue aims to present recent developments and future perspectives in the preparation, modification, characterization, and application of bio-based hydrogels. Both original research articles, rapid communications, and reviews of bio-based hydrogels prepared from cellulose, chitin, chitosan, alginate, starch, and gelatin are welcome. Other bio-based and nanocomposite hydrogels are also welcome.

Guest Editor

Dr. Supachok Tanpichai

1. Learning Institute, King Mongkut's University of Technology Thonburi, Bangkok 10140, Thailand
2. Cellulose and Bio-Based Nanomaterials Research Group, King Mongkut's University of Technology Thonburi, Bangkok 10140, Thailand

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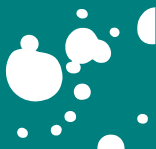


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Gels
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
gels@mdpi.com

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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

Prof. Dr. Esmail Jabbari

Biomimetic Materials and Tissue Engineering Laboratory, Department of Chemical Engineering, University of South Carolina, Columbia, SC 29208, USA

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