

gels



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Recent Advances on Hydrogels and Hydrogel Composites for 3D/4D Printing

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Deadline for manuscript submissions:
closed (31 August 2022)

Message from the Guest Editors

Dear Colleagues,

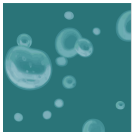
Three-dimensional printed hydrogels have attracted tremendous interest owing to their enormous potential in a wide range of engineering fields. Compared to traditional manufacturing technologies, 3D printing can process multiple hydrogels into delicate structures with versatile dimensions and desired functions, which could meet the requirements of customization for different applications, such as soft robotics, medical devices, or wearable electronics. The objective of this Special Issue is to present recent advances in functional hydrogels, especially tough or functional hydrogels prepared using the 3D printing method. The general topic of interest is gel materials, including but not limited to the 3D printing of the hydrogels, gel-based biomaterials, gel-based actuators, gel-based electronics, etc. In this Special Issue, both original research articles and reviews are welcome. We look forward to receiving your contributions.

Dr. Siyu Zheng
Dr. Fengbo Zhu
Dr. Yanjie Wang
Guest Editors



mdpi.com/si/100967

Special Issue



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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.

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