



gels



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Recent Trends in Gels for 3D Printing

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Message from the Guest Editors

Dear Colleagues,

The peculiar properties and specific structure of hydrogels make them suitable for a wide range of applications, including in the field of biomedicine, where they currently play a leading role. Moreover, thanks to additive manufacturing, the applications of gels are expanding. An example is the production of biosensors, where high accuracy and miniaturization are important. These relatively new production methods offer many advantages over conventional production processes, such as increased efficiency, personalized approaches, the ability to create complex geometries, and the repeatability of prints.

The aim of this Special Issue "Recent Trends in Gels for 3D Printing" is to collect high-quality scientific and review articles regarding the latest trends in the production of hydrogels for 3D printing. These should include, among others, the methods of preparing gels, characteristics of materials, and selection of techniques and parameters of the printing process, as well as potential applications of the products.

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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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