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Functional Hydrogels: Design, Properties and Applications

Guest Editor:

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Message from the Guest Editor

Hydrogels are three-dimensional polymeric networks that can absorb and retain a large amount of water or biological fluids, making them suitable for a variety of applications in the fields of biomedical engineering, drug delivery, tissue engineering, and electronic skin. The aim of this Special Issue is to bring together researchers and practitioners from different fields to share their knowledge and expertise on the design, properties, and applications of hydrogels.

The Special Issue covers a broad range of topics related to hydrogel design, properties, and applications. Some of the key themes include the design and synthesis of hydrogels with tailored properties for specific applications, the properties of hydrogels and their applications in various fields, and the development of new methods for characterizing and analyzing hydrogels. The articles in this Special Issue provide valuable insights for researchers and practitioners working in this area and highlight the exciting opportunities for future research in this field.













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Message from the Editor-in-Chief

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