Special Issue

Advances in Functional Hydrogel Biomaterials

Message from the Guest Editor

Hydrogels are unique biomaterials that resemble the critical physiological characteristics of natural extracellular matrices. They have significant advantages in exploiting biomolecules, such as nucleic acids, proteins, and cells, and many studies have utilized the features. Still, novel hydrogel materials are synthesized. and various process technologies are used to fabricate functional hydrogels. Hydrogels are used as biomaterials for mechanobiology controlling cellular fate control. They are also used in the biomedical field, such as in tissue engineering, drug delivery, and biosensors, expanding into clinical applications. Researchers have been developing novel hydrogel materials, and advanced hydrogel materials will be widely used in the future. We invite you to submit review articles, original papers, and communications for this Special Issue, "Advances in Functional Hydrogel Biomaterials."

Guest Editor

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Message from the Editor-in-Chief

Materials (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. Materials provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

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