Special Issue

Hydrogels in Biology and Medicine

Message from the Guest Editors

Hydrogels are ordered three-dimensional cross-linked systems formed by polymeric chains embedded in a water-rich environment. They are composed of hydrophilic homopolymers or copolymers, which may absorb from 10–20% up to thousands of times their dry weight in water. A great variety of naturally derived and synthetic polymers can be processed into hydrogels. For this reason, they can be classified, depending on the polymer origin, as natural, synthetic, and hybrid gels. They can also be divided into two groups according to the nature of the formation mechanisms of the three-dimensional network (physical and chemical gelation). For more information, please click the following link: https://www.mdpi.com/journal/materials/special_issues/hydrogels_biology_medicine

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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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