

Special Issue

Research Advances in Natural Polymer-Based Hydrogels (Second Volume)

Message from the Guest Editor

In this Special Issue, we welcome any submissions related to hydrogels prepared from natural polymers (polysaccharides, proteins, polypeptides and polynucleotides) or composite hydrogels, in different forms, such as macrogels, microgels, nanogels, films, membranes, and beads. Recent progress in the design and synthesis of hydrogels and their properties, revealed using different complementary techniques; the challenges that need to be overcome; and the smart behavior of natural polymer-based hydrogels, are also welcome. All features associated with engineering in applications such as drug delivery systems, wound dressing, tissue engineering scaffolds, self-healing materials, and biosensors, are of particular interest to this Special Issue. In this regard, it is our pleasure to invite you to contribute full papers, review articles and short communications that focus on recent advances and developments related to the natural polymer-based hydrogels, with particular attention to engineering and biomedical applications.

Guest Editor

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Deadline for manuscript submissions

closed (10 October 2023)



Materials

an Open Access Journal
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Impact Factor 3.2
CiteScore 6.4
Indexed in PubMed



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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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