



Hydrogel-Based Composites for Biomedical Applications

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Message from the Guest Editor

Dear Colleagues,

Hydrogels are crosslinked, highly hydrophilic polymer networks widely used in a variety of biomedical applications, from tissue engineering to drug delivery. By adjusting polymerization conditions or molecular weight, hydrogel mechanical properties are highly tunable. When incorporating materials ranging from nanoparticles to sensors, hydrogel composites can be formed such that the properties of the whole composite are improved over that of the individual components. These range from improved mechanical and optical properties to self-healing and sensor abilities. This Special Issue focuses on such hydrogel composites.

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Guest Editor





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