



Hydrogel Composites and Applications

Guest Editor:

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Deadline for manuscript
submissions:

20 November 2024

Message from the Guest Editor

Dear Colleagues,

Hydrogels, polymers that swell in water, have tunable mechanical properties. They are widely used in smart wearable, sensing, energy storage, soft robotics, bioelectronics, tissue adhesion, and impact protection. Hydrogel composites can enhance the mechanical properties of hydrogels and functionalize them to expand their applications. We are publishing a Special Issue of Materials devoted to the synthesis, characterization, and application of hydrogels and their composites.

In this Special Issue, original research articles and reviews are welcome. Research areas may include (but are not limited to) the following: hydrogels; hydrogel composites; toughening mechanisms of hydrogel; energy dissipation of hydrogels; hydrogels for biological adhesion; new characterization and synthesis methods of hydrogels; sensors and monitoring technologies of hydrogels; energy storage hydrogels; hydrogel soft robotics, hydrogel bioelectronics, hydrogel tissue adhesion, and impact protection hydrogels.

I/We look forward to receiving your contributions.

Dr. Weizheng Li
Guest Editor





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Editor-in-Chief

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Message from the Editor-in-Chief

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