



Hydrogels for Advanced Applications: Biosensing, Bioenergy, Biomedical

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Message from the Guest Editors

Hydrogels are enticing materials which open up new solutions for a wide range of applications. The latest decade has observed a fast increase in research on hydrogel exploration, including polymer gels (chemical gels) with bio-orthogonal cross-linking and hydrogels (mostly physical gels) composed of biomolecules such as short peptides, proteins, (poly)saccharides, and nucleic acids. In particular, hydrogels containing different polysaccharide- and protein-based materials enable new potential applications in drug delivery, wound healing, tissue engineering, and biosensors. This Special Issue will explore the design, synthesis, processing, characterization, and applications of hydrogel systems in a variety of applications. Considering your leading contributions in this field, I would like to cordially invite you to submit an article to this Special Issue. This Special Issue will publish full research papers, communications, and review articles, with the aim to create a collection of comprehensive articles from leading experts and up-to-date research from notable groups in the community.





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