## **Special Issue**

## Functional Hydrogels: From Design to Applications

## Message from the Guest Editor

This Special Issue focuses on functional hydrogels, from their design to application. These polymeric materials, in either dried or swollen states, exhibit soft and resilient mechanical properties, often with great fracture toughness. The scope of the Special Issue encompasses the synthesis, characterization, and application of functional hydrogels made of various polymers with crosslinks based on covalent, hydrogen, and ionic bonding; hydrophobic association; p-p interactions; and additive ions or nanoparticles. Of particular interest are the various functions of these hydrogels, novel chemistry routes to enabling functionalities in these gels, and their applications in energy and biomedical research as a stepping stone to interdisciplinary research.

### **Guest Editor**

Prof. Dr. Insu Jeon

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## Deadline for manuscript submissions

closed (10 July 2021)



# Applied Sciences

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## Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multidimensional network.

## Editor-in-Chief

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