Special Issue

Biomaterial Synthesis and Application

Message from the Guest Editor

Biomaterials have been engineered for mimicking biological tissues and interacting with biological systems. This Special Issue aims to present the latest research related to the methods of synthesizing and modifying natural or synthetic polymers and composite materials containing inorganic nanoparticles in order to generate unique formulations for further biomedical applications. The newly synthesized biomaterials that can be freely tuned to control their physicochemical properties to match specific tissues for enhanced therapeutic effects are of particular interest. In this Special Issue, we invite submissions exploring the synthesis methodology of biomaterials for tuning their physicochemical properties to match biological tissues. Contributions can focus on tissue scaffold, localized drug delivery systems, tissue repair materials, biological glues, other surgical agents, etc. Reviews and perspectives are also welcomed.

Guest Editor

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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 multi-dimensional network.

Editor-in-Chief

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