



Biomaterials, Polymers and Tissue Engineering

Guest Editor:

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Deadline for manuscript submissions:

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Message from the Guest Editor

this Special Issue aims to gather multidisciplinary research efforts and cover the area of biomaterials in a comprehensive way. Topics of interest include but are not limited to: i) the design and development of new architectural frameworks similar to the native extracellular matrix; ii) the evaluations of inflammatory response of implanted biomaterials and identification of new modalities for their prevention using natural compounds; iii) new concepts to obtain biomaterials with enhanced mechanical performances and how to trigger in vivo biodegradability; iv) synthesis of new nanomaterials for diagnostic purposes; v) development of nanoparticles of biomedical importance, i.e., multimodal disease diagnostics, imaging and sensing and, particularly, their interaction with the biological matrix.

Keywords

- Biopolymers
- Nanoparticles
- Biocomposites
- Tissue engineering
- Polymer synthesis
- Drug delivery
- Wound healing





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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.

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