Journal of
Functional Biomaterials

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Nanoengineered Materials for Biomedical Applications

Guest Editor:

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Deadline for manuscript submissions:
closed (20 April 2023)

Message from the Guest Editor

The nanoscale is the scale at which surfaces and interfaces play a vital role in a material's properties and interactions. Nanoscale materials have far larger surface areas than similar masses of larger-scale materials, which significantly increases their reactivity. The emergence of nanotechnology has set high expectations for addressing the complexities and difficulties in medicine and biological sciences such as cardiovascular disease, cancer, neuronal disorders, vascularization, bone, skin and muscle disorders, etc.

It is our pleasure to invite you to submit a manuscript (full research papers, review articles, opinions, and communications) for this Special Issue focusing on nanoengineered biomaterials, including but not limited to nanoparticles, self-assembled nanomaterials, nanotubes, nanotopographies, functionalized nanomaterials, nanofibrous scaffolds, nanocomposites, hydrogels, 3D printed constructs, etc., for different biomedical applications.

Keywords

- nanotechnology
- nanomaterials
- biomaterials
- nanoparticles
- cells
- nano-bio interfaces

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Editor-in-Chief

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Message from the Editor-in-Chief

The biomaterials field is one of the largest and fastest growing research areas both in the scientific community and in the industrial one. Biomaterials are the result of collaborations between different disciplines: chemistry, medicine, pharmacology, engineering and biology. The objective of this collaboration is to lead to the implementation of new devices to restore form and human body functions. The mission of the *Journal of Functional Biomaterials* (*JFB*) is to focus attention on physico-chemical characteristics and their importance in the interactions between biomaterials and living tissues. *JFB* seeks to publish studies on the preparation, performance and use of biomaterials in biomedical devices, as well as regarding their behavior in physiological environments. We are pleased to welcome you as our authors.

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