



Fibrous Scaffolds for Tissue Engineering Application

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

Tissue engineering is an interdisciplinary field that involves the use of a tissue scaffold for the formation of new viable tissue for a medical purpose. With the development of nanotechnology, surface modification technology, and composite synthesis technology, our ability to control scaffolding materials has improved and become more precise. Research on mimic extracellular matrices (ECM) and the formation of artificial extracellular matrices which are suitable for tissue formation has become a hotspot.

Due to the high surface to volume ratio and similar structural morphology to the fibrillate ECM, fibrous scaffolds are believed to enhance cell adhesion, which is very critically important for cell migration, proliferation, and differentiation.

It is our pleasure to invite you to submit a manuscript for this Special Issue focusing on materials, processing techniques, computer modeling, and simulation and in vitro/in vivo applications of fibrous scaffolds for tissue engineering and regenerative medicine. Full papers, communications, and reviews are all welcome.

Prof. Dr. Anderson Oliveira Lobo

Guest Editor





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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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