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Biocompatible Materials for Bone Regeneration-1

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submissions:

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Message from the Guest Editors

Dear Colleagues,

Biocompatible materials are playing an important role in the progress of modern medicine. In recent years, much effort has been devoted to the development of innovative biomaterials with potential applications in many fields of tissue engineering. For this Special Issue, we expect to receive papers related to biocompatible materials research, as well as papers on modeling and testing of new materials for bone regeneration.

The Special Issue will cover but not be limited to the following topics:

Fabrication of bone-like materials;
Microarchitecture of biomaterials;
Biomaterial–cell interactions;
Cellular adhesion, proliferation, and differentiation on biomaterials;
Stem cells in bone regeneration;
Animal research of implant materials;
Clinical applications of bone substitutes.

Keywords: tissue engineering; scaffolds; implants; bone substitutes; osseointegration



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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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