Special Issue

Biomaterials for Bone Tissue Engineering 2020

Message from the Guest Editors

Over the last few decades, a variety of tissue engineering strategies have been developed to improve the regenerative properties of bone biomaterials (e.g., osteoinduction and osteoconduction). This Special Issue on "Biomaterials for Bone Tissue Engineering" will provide an overview of the recent advances and cutting-edge approaches in the field of bone biomaterials and bone tissue engineering, including the new molecular insights on the various aspects of the interaction of bone substitutes with cells and tissues. Contributions reporting innovative materials, osteoinduction and osteoconduction approaches, and examples of combination with biochemical and/or physical stimuli and/or different cell types (e.g., stem cells, macrophages, endothelial cells) tested for their application in bone tissue regeneration and engineering are welcome. Thus, we invite the submission of original full papers, communications, and comprehensive reviews describing the latest progress.

Guest Editors

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Deadline for manuscript submissions

closed (10 November 2022)

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Message from the Editor-in-Chief

Materials (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

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