Special Issue

Materials for Bone Tissue Engineering: Preparation Methods, Properties Optimisation, and Applications

Message from the Guest Editor

This Special Issue titled “Materials for Bone Tissue Engineering: Preparation Methods, Properties Optimisation, and Applications” aims to present the latest research and development progress in the field of biomaterials designed specifically for bone tissue engineering, with a special focus on bone cements. Bone cements play a key role in orthopedic surgery and are essential for implant fixation and bone reconstruction. This Special Issue will therefore cover a wide range of aspects within this topic, including the development of innovative preparation techniques and methods for evaluating the properties and durability of bone cements. We hope that this Special Issue will be a valuable resource for researchers, engineers, and clinicians interested in the latest developments and future directions of biomaterials, particularly bone cements, in bone tissue engineering.

Guest Editor

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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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