Special Issue

Design of Materials for Bone Tissue Scaffolds

Message from the Guest Editor

The recent development of additive manufacturing techniques has allowed the building of regular scaffolds made from a very wide gamma of biocompatible materials and including complex and sophisticated geometries that can be optimized to increase the scaffold performance in terms of mechanical resistance and mechanobiological properties. This has made the design process of materials for bone tissue scaffolds an issue of crucial importance and the object of study of many researchers throughout the world. It is commonly known, in fact, that the rate of bone tissue regeneration and the cellular response is significantly influenced by the scaffold structural response that is, in turn, a function of the scaffold micro-architecture and of the mechanical properties of the material it is made from. For more information, please click the following link: https://www.mdpi.com/journal/materials/special_issues/
bone_tissue_scaffolds

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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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