Special Issue

Polymer Biomaterials for Bone Regeneration

Message from the Guest Editor

Polymer-based biomaterials such as bioresorbable and biodegradable osteosynthetic fixation systems or boney reconstruction implant materials have recently been considered effective bone regenerative reconstruction systems that offer several advantages over conventional metal, titanium osteosynthetic fixation and bone reconstruction systems, including the absence of corrosion and of accumulation of metal in tissues and of the need to remove the implants after osseous healing in addition to radiolucency, decreased pain, and reduced stress-shielding as the implants initially bear a smaller load and gradually transfer this load as they degrade.

For this Special Issues, I would like to feature any original research from clinical studies as well as in vitro and in vivo studies, reviews, short reports, or opinion pieces from researchers interested in these research topics of “Polymer Biomaterials for Bone Regeneration”.

Guest Editor

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Deadline for manuscript submissions

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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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