Special Issue

Oral and Maxillofacial Regenerative Materials

Message from the Guest Editors

Regenerative technology is at the forefront of our medical and dental research. Polymer-based regenerative biomaterials such as bioresorbable and biodegradable osteosynthetic fixation systems or boney reconstruction implant materials have recently been considered to be effective bone regenerative reconstruction systems that offer several advantages over conventional materials. Currently, four main types of reconstructive materials are available to clinicians for oral–maxillofacial regenerative application in oral and maxillofacial surgery: autologous bone, allogenic bone, xenogenic bone, and alloplastic bone. In addition, stem cells, bioactive agents, and growth factors are now being widely used to stimulate osteoinductive/osteoconductive regenerative properties of native bone and various biomaterials for active bone regeneration.

For this Special Issue, I would like to feature any original research articles 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 “Oral and Maxillofacial Regenerative Materials”.

Guest Editors

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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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