Special Issue

New Materials and Technologies for Guided Tissue Regeneration

Message from the Guest Editor

Guided tissue regeneration is a successful procedure employed to increase and/or to create soft and hard tissues for oral and craniomaxillofacial surgery. At present, this biological principle has been improved by the development of several new materials and technologies to reduce the time and increase the efficiency of the regenerative procedure. In addition, local delivery of molecules as growth factors and stem cells combined with new designed and produced scaffolds had expanded the regenerative area, including not only target cells as osteoblasts, but also cells from the periodontal ligament. This Special Issue aims to explore and share new emerging concepts and technologies in Biomaterials produced by additive manufacturing and other conventional methods applied in several areas.

Guest Editor

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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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