Special Issue

Recent Advances in Novel Biomaterials for Tissue Repair and Tissue Engineering

Message from the Guest Editor

Biomaterials represent an essential tool in the fields of Tissue Repair and Tissue Engineering. They have been proved as an adequate and successful approach to be employed for different therapeutic purposes in diverse anatomical areas, providing the support needed for tissue defects repairing. The use of a foreign material into an organism involves a series of challenges that require careful consideration to avoid adverse effects that could lead to the failure of the repairing strategy. This, together with an increasingly in-depth knowledge of the *in vivo* repairing mechanisms, has led to the development of novel biomaterials that can adapt to the defect as a proper biocompatible scaffold. This Special Issue will focus on the design, development and assessment of novel biomaterials to be used in the repair of tissue defects or as part of Tissue Engineering therapies. It is my pleasure to invite you to submit a manuscript for this Special Issue. Full papers, short communications and reviews are all welcomed.

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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