Special Issue

Biocompatible and Biodegradable 3D Scaffolds

Message from the Guest Editor

Tissue engineering is a relatively new and rapidly advancing interdisciplinary field of biomedical research that combines knowledge from the biological sciences, polymer chemistry, material engineering, and computer sciences. It is my privilege to invite you to submit a manuscript for the upcoming Special Issue of Materials (ISSN 1996-1944), entitled “Biocompatible and biodegradable 3D scaffolds”. Full papers, review articles and short communications from the area of tissue engineering focused on the development of biodegradable and biocompatible materials for 3D scaffolds are welcome. The knowledge and results from high-quality and original research aimed at the synthesis/production of biodegradable materials (including biopolymers, synthetic polymers, copolymers, blends, and composites) that remain stable under certain biomechanical conditions, for a particular time, and that degrade at a controlled rate will be highly supported. However, works with a focus on testing and processing methods or strategies, promoting the construction of 3D scaffolds with a sufficient structure and mechanical properties are expected and will receive special attention.

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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