

Special Issue

Biomaterials for Regenerative Medicine: Synthesis, Characterization and Application

Message from the Guest Editors

RM and accompanying tissue engineering (TE) are rapidly developing fields that focus, among other matters, on searching for new biomaterials' compositions that fill or restore the function of the damaged/lost tissues. This Special Issue focuses on ceramic, metal, and polymer biomaterials and their composites, both in micro and nano structural form. This Special Issue will present new, valuable knowledge about biomaterials fabricated via novel or modified production techniques, which include not only new methods using, e.g., 3D printing, electrospinning, etc., but also conventional methods that have not been combined so far or can obtain biomaterials with new properties. This Special Issue will also to present the detailed physico-chemical, mechanical and biological characterization of biomaterials and their practical applications in regenerative medicine. In this Special Issue, original research articles and reviews are welcome. Research areas may include (but not limited to) the following: biomaterials with enhanced regenerative activity, biomaterials with antibacterial properties, biomaterials with anticancer properties, and biomaterials for diagnostics.

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About the Journal

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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