

Special Issue

Preparation and Characterization of Biomedical and Biomimetic Materials

Message from the Guest Editors

Due to many recent advances in materials synthesis and characterization techniques, biomedical engineering has exhibited significant progress in the recent years. In particular, this new generation of biomaterials has prompted significant developments in various biomedical fields, including regenerative medicine, diagnosis, and therapeutics. This broad range of interdisciplinary fields has demanded a greater diversity and scope of research in biomaterials, such as natural or synthetic polymers, ceramics, metals, and alloys. This Special Issue aims to collect the most recent advances in the development of biomedical and biomimetic materials and covers all the key areas related to the concept, design, fabrication, characterization, and clinical use of those materials. The targeted materials include all the biomaterial types with a focus on synthesis methods and characterization.

Guest Editors

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Dr. Maria Elisabete Jorge Vieira Costa

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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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