

Special Issue

Bioceramic Composites for Biomedical Applications

Message from the Guest Editors

Bioceramic composites have been receiving increased attention, given the attained relevant performance of these biomaterials in distinct technological and human health-related applications. In spite of the recent and significant advances in this field, many challenges still exist. In this context, this Special Issue is aimed at showcasing the most recent and innovative advances of biomedical applications of bioceramic composites. Topics of significant interest include but are not limited to:

- Composite tissue engineering constructs, with bioceramics, for enhanced tissue regeneration;
- Smart bioceramic composites for drug/growth factors release;
- Ceramic-loaded composite structures for hard tissue-related applications;
- Ceramic-containing composites for dental applications—processing, physicochemical, and biomechanical properties;
- Composite coatings and films, with a bioceramic component, for biomedical applications;
- Innovative processing routes (e.g., 3D printing and bio-manufacturing) of bioceramic-based composites;
- Development and validation of standard practices for testing and development of bioceramic-containing biomedical composites.

Guest Editors

Dr. Pedro de Sousa Gomes

LAQV/Requimte - U. Porto, R. D. Manuel II, Apartado 55142, 4051-401 Porto, Portugal

Prof. Dr. Maria Helena Fernandes

1. BoneLab—Laboratory for Bone Metabolism and Regeneration, Faculty of Dental Medicine, University of Porto, Porto, Portugal
2. LAQV/REQUIMTE, University of Porto, 4160-007 Porto, Portugal

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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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.

Editor-in-Chief

Prof. Dr. Maryam Tabrizian

1. Department of Biomedical Engineering, Faculty of Medicine and Health Sciences, McGill University, Montreal, QC H3A 2B6, Canada
2. Faculty of Dentistry and Oral Health Sciences, McGill University, 3640 Rue University, Montreal, QC H3A 0C7, Canada

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