

Special Issue

Biomedical Ceramics and Glasses

Message from the Guest Editors

Biocompatible ceramics can be used for structural and/or regenerative purposes with a significant clinical impact. Strong bioceramics have been recognized as suitable materials to fabricate load-bearing prosthetic joint surfaces due to their excellent wear and mechanical properties. Hydroxyapatite, resorbable calcium phosphates and bioactive glasses/glass-ceramics are used to regenerate bone in orthopaedic and dental applications, and some special glass formulations have also been found to be able to interact with soft tissues, thereby opening up new horizons in the field of tissue engineering and drug delivery. Nano-sized ceramics show great promise for the targeted therapy of cancer and other diseases. This Special Issue covers all the key areas related to the concept, design, fabrication, characterization, modelling, clinical use and commercialization of bioceramics and related composites or combinations. Full research articles, short communications and comprehensive reviews dealing with topics are welcome.

Guest Editors

Dr. Francesco Baino

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Deadline for manuscript submissions

closed (30 June 2021)



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About the Journal

Message from the Editor-in-Chief

Ceramics (ISSN 2571-6131), an international, open access journal, provides an advanced forum for ceramics science and engineering. Research articles, reviews and other contents are released on the internet immediately after acceptance. The scientific community and the general public have unlimited and free access to the content as soon as it is published. We are committed to drive *Ceramics* to a position in which it is recognized for its high-quality, cutting-edge research and scientific influence, and strongly encourage and invite your participation and manuscripts. Your contribution should lead to the development of technical ceramics with better performances and to improve our quality of life.

Editor-in-Chief

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