

Special Issue

Recent Progress in Bioceramics and Their Composites

Message from the Guest Editor

The field of bioceramics and their composites has advanced significantly to restore, substitute, or regenerate not only skeletal hard but also soft tissues. These innovative materials have been studied to be applied for orthopaedic implants, bone substitutes, bone cements, dental prostheses, drug delivery carriers, and even for cancer treatments. In addition, the development and use of nanostructured materials, biomimetic materials, and inorganic–organic structures resulted in considerable scientific interest in the bioceramics field. Thus, this Special Issue focuses on topics covering the processing of novel bioceramics, and the synthesis of bio-hybrids and bioactive or bioresorbable composites in addition to the study of their biodegradability and biocompatibility. Contributions on innovative approaches such as the additive manufacturing of bioceramics and biocomposites, layer deposition techniques, tissue engineering, and drug delivery systems are also welcome.

Guest Editor

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Deadline for manuscript submissions

closed (20 September 2025)



Materials

an Open Access Journal
by MDPI

Impact Factor 3.2
CiteScore 6.4
Indexed in PubMed



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Message from the Editorial Board

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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