

Special Issue

Ceramics for Healthcare

Message from the Guest Editor

High-tech ceramics have always been associated to medical devices: they are used today for total hip replacement, heart valves, dental implants and restorations, bone fillers and scaffolds for tissue engineering. Ceramic particles and microspheres are also useful for the radiotherapy of cancers. This is the aim of this special issue to review current state of the art and new findings in the field of ceramics for orthopedic, dental, cardiovascular and cancer treatments. In addition to review papers written by leading scientists, manuscripts on new approaches to material design, processing and characterization, including in-vitro and in-vivo studies, on new compositions with improved properties or surface modification are welcome.

Guest Editor

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Deadline for manuscript submissions

closed (30 November 2009)



Materials

an Open Access Journal
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Impact Factor 3.7
CiteScore 7.0
Indexed in PubMed



mdpi.com/si/356

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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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