

Special Issue

Bioceramics: Bioinert, Bioactive, and Coatings

Message from the Guest Editor

Bioceramics can be classed as three main types: Bioinert, bioactive, and coatings. Two bioinert bioceramics (Alumina and ZTA—zirconia toughened alumina), three bioactive bioceramics (bioglass, hydroxyapatite, and tri-calcium phosphate), and two bioceramic coatings (DLC—diamond-like-carbon and Oxinium®—oxidized zirconium), have all been groundbreaking bioceramics in the medical device and tissue-engineering realm. Each has had a revolutionary impact in the medical field in recent decades. Other niche bioceramics are also significant, such as zirconia and pyrolytic carbon.

Guest Editor

Prof. Dr. Andrew Ruys

School of Biomedical Engineering, University of Sydney, Sydney, NSW 2006, Australia

Deadline for manuscript submissions

closed (20 November 2021)



Materials

an Open Access Journal
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Impact Factor 3.2
CiteScore 6.4
Indexed in PubMed



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Materials
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
materials@mdpi.com

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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.

Editors-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

Prof. Dr. Yuguang Ma

State Key Laboratory of Luminescent Materials and Devices, South China University of Technology, Guangzhou 510640, China

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