

## Special Issue

# Bioactive Ceramic-Based Materials

### Message from the Guest Editors

Bioactive ceramics are widely used in healthcare for repairing or substituting damaged bone and dental tissues as they can withstand extreme stresses, high temperatures, and nuclear radiation and are highly corrosion resistant. There exists a great demand for ceramics used in medical industry, leading to an ever-expanding market. This Special Issue offers a broad outlook on the recent developments in the processing methods and characterisation of the active/inert bioceramics, bioceramic scaffolds, bioglass, bionanocomposites, and bioceramic coatings towards biomedical applications. This Special Issue will evaluate the original scientific research works, reviews, and technical reports concerning to the techniques and methods of synthesis including physical, chemical, surface, mechanical, and biological properties of bioceramic-based materials. We welcome the submission of research papers as well as review articles.

### Guest Editors

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### Deadline for manuscript submissions

closed (20 October 2023)



## Materials

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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.

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