

Special Issue

Latest Research on Biocompatible Alloys

Message from the Guest Editor

Currently, biomaterials are seen as a distinct category of materials, which are indispensable to the improvement and extension of the quality of human life, which can be used individually or as a component of a more complex system, aiming to fulfill functions for which it was designed. However, it cannot be overlooked that these materials present, in addition to advantages, some limitations. Constant improvements of biomaterials are important for a better interaction with the human body and to avoid all the adverse effects found in current biomaterials.

This SI is for the colleagues who are doing immense and unstoppable work for this field. All advances in new novel biomaterials for medical applications and research, progress on metallic biomaterials is welcome to be published and shared. Research areas may include (but not limited to) the following:

- 1) Synthesis, characterization, and applications of new biomaterials, tissue engineering, etc.;
- 2) Mechanical coating/alloying/treatment of the metallic and non-metallic materials;
- 3) Highlights key issues and challenges associated with the design of complex implantable systems.

Guest Editor

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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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