

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

Dr. Madalina Simona Baltatu

Department of Technologies and Equipment for Materials Processing,
Faculty of Materials Science and Engineering, Technical University
Gheorghe Asachi of Iasi, 700050 Iasi, Romania

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

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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.

Editor-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

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