Special Issue

Advanced Biomaterials for Medical Applications (2nd Edition)

Message from the Guest Editors

Growing pressure on today's engineers for creative engineering design is commonplace. Along with growing social expectations for more perfect and reliable products, this fosters an environment for an interdisciplinary approach to structural, material, and technological design. When receiving a specific task to meet a clearly defined need, today's engineer must pay attention to the shape of the element as well as to how the product will be made, thus determining the functional and operational properties of the finished product. Modern biomaterials are entirely in line with this trend. The need for continuous development and a multilevel approach to the problems of modern medicine requires the use of advanced engineering materials. Contemporary biomaterials combine many features, both material and functional. Obtaining this type of material and giving it the appropriate features requires the solving of numerous tasks and much research, all of which can be shared in this Special Issue. Aiming to highlight this concept, this Special Issue will focus on advanced biomaterials and their modification, production, and research.

Guest Editors

Dr. Ghais Kharmanda

1. Mechanics Laboratory of Normandy, INSA Rouen, 76131 St Etienne du Rouvray, France
2. 3D Printing 4U (UG), 51103 Cologne, North Rhine-Westphalia, Germany

Prof. Dr. Ke Yang

Shi-Changxu Innovation Center for Advanced Materials, Institute of Metal Research, Chinese Academy of Sciences, Shenyang 110016, China

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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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