

Special Issue

Nanomaterials for Medical Application (Second Volume)

Message from the Guest Editor

Many advances in the field of medicine are strongly correlated with the use of nanomaterials, making nanomedicine an important field of study. Nowadays, nanomaterials are exploited for many applications, such as diagnosis and treatment, as they are able to induce antimicrobial and antitumoral activity and hyperthermia, ensure targeted bioaccumulation and internalisation, act as a contact agent or a smart carrier of a wide range of biologically active agents, etc. Manuscripts dealing with nanomaterials belonging to the following classes are especially welcome: metal and oxide nanoparticles, micro- and mesoporous materials, carbonaceous materials, and phosphates. Papers focused on composite materials designed and manufactured using modern additive manufacturing methods for tissue engineering are also welcome. Three-dimensional printing, electrospinning and electrospraying, atomic layer deposition (ALD), spin coating, matrix-assisted pulsed-laser evaporation (MAPLE), and pulsed-laser deposition (PLD) are only some of the processing techniques able to generate nanomaterials with 0D, 1D, 2D, or even 3D structures.

Guest Editor

Prof. Dr. Anton Ficai

1. Department of Science and Engineering of Oxide Materials and Nanomaterials, Faculty of Applied Chemistry and Materials Science, University Politehnica of Bucharest, 1-7 Gh. Polizu St., 011061 Bucharest, Romania

2. Academy of Romanian Scientists, 54 Splaiul Independenței St., Bucharest, Romania

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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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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.

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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