Special Issue

Nanoscale Materials for Biology and Medicine

Message from the Guest Editor

The current Special Issue is focused on the most recent scientific and technological advances in the applications of nanoscale materials in biology and medicine. Potential topics include but are not limited to a) biomolecular motors: defined as a class of proteins that convert chemical energy into mechanical work energy to perform useful work inside a cell; b) nanoscale materials in nature: study of the hierarchical structures and organization in biogenic materials; c) protein and peptide-based nanostructures: fabrication of novel hybrid materials and nanostructures; d) nanoscale materials in therapy and diagnostic imaging: biocompatible quantum dots, magnetic nanoparticles, carbon nanomaterials, liposomes, emulsions, micelles, dendrimers, contrast agents in MRI, etc.; e) applications of nanoscale materials in orthopedics and cardiology. It is my pleasure to invite you to submit a manuscript to this Special Issue. Full papers, communications, and reviews are all welcome.

Guest Editor

Prof. Dr. Nikolaos Bouropoulos

1. Department of Materials Science, University of Patras, GR 26504 Patras, Greece
2. Institute of Chemical Engineering Sciences (FORTH/ICE-HT), GR 26504 Patras, Greece

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

mdpi.com/journal/materials

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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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