Special Issue

Influence of Nanomaterials on Biological Processes In Vitro and In Vivo

Message from the Guest Editor

Nanoscale structures represent specific characteristics that are not observed in materials in larger scale. The aim of this Special Issue should be covered by papers on application options of nanomaterials in biomedicine based on their nanoscale characteristics. The most advanced research and improvements in use of nanomaterials in biomedicine will be accepted. Studies displaying the effects of nanomaterials on biological processes together with its specific characteristics will also be considered. Special attention will be paid to new methods of nanomaterials use in biomedicine and its potential application in clinical medical procedures. Topics to be covered in this Special Issue include:

- Physicochemical properties of nanomaterials
- Characterization of nanomaterials
- Application of nanomaterials in biomedicine
- Modifications of nanomaterials
- Interactions with lasers and electromagnetic fields
- Biocompatibility assessment of nanomaterials
- Biological and medical applications of nanoelectrets

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Deadline for manuscript submissions

closed (20 May 2022)

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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.

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