Special Issue

Functional Nanomaterials for Biomedical Applications

Message from the Guest Editor

This Special Issue is intended to cover all recent aspects of biomedical applications of nanomaterials, hence providing an overview of the state of the art and perspectives of all potentially usable engineered nanoparticles in the field. We hope that this Special Issue will serve as a sourcebook, allowing one to learn all aspects and perspectives related to potential applications of nanomaterials in the fields of biology and medicine including, but not limited to the following:

- Direct effects on living organisms;
- Imaging, drug targeting, and theranostics;
- Transfection;
- Diagnosis;
- Drug and medical material preservation;
- Toxicity;
- Pharmacokinetics;
- Environmental issues;
- Quality control;
- Regulatory considerations.

Papers on other topics associated with advances in manufacturing engineering of nanomaterials for medical purposes are also welcome, provided that the contribution is novel and the paper has been not published elsewhere. It is our pleasure to invite professionals from industry and from academic and research institutions from around the world to submit their contributions to this Special Issue.

Guest Editor

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Deadline for manuscript submissions

closed (10 January 2023)

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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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