Special Issue

Biomedical Applications of Nanoparticles

Message from the Guest Editor

The concept of nanomaterials that can be designed and administered for the human body to improve health is of great interest. The format of welcomed articles includes full papers, communications, and reviews. Potential topics include, but are not limited to:

- Nanomaterials development, synthesis, and fabrication for biomedical applications;
- Nanoparticles functionalization for biomedical applications;
- Innovative nanomaterials, nanocomposites, nanohybrids for biomedical applications;
- Scale-up, reproducibility and qualification of the nanoparticles batches produced for biomedical applications;
- Original approaches of characterization of nanohybrids for biomedical applications;
- Model nanoparticles development for the evaluation of their toxicity/innocuity;
- Design and preparation of novel nanostructured surfaces for biomedical applications;
- Design and preparation of novel nanostructured ceramics or alloys for biomedical applications;
- Other studies of nanoscience and nanotechnology associated with biomedical applications.

Guest Editor

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Deadline for manuscript submissions

closed (10 January 2019)

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Message from the Editor-in-Chief

Nanoscience and nanotechnology are exciting fields of research and development, with wide applications to electronic, optical, and magnetic devices, biology, medicine, energy, and defense. At the heart of these fields are the synthesis, characterization, modeling, and applications of new materials with lower nanometer-scale dimensions, which we call “nanomaterials”. These materials can exhibit unusual mesoscopic properties and include nanoparticles, coatings and thin films, metal–organic frameworks, membranes, nano-alloys, quantum dots, self-assemblies, 2D materials such as graphene, and nanotubes. Our journal, *Nanomaterials*, has the goal of publishing the highest quality papers on all aspects of nanomaterial science to an interdisciplinary scientific audience. All of our articles are published with rigorous refereeing and open access.

Editor-in-Chief

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