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Leveraging Advancements in Nanomaterials: Metrology, Synthesis and Properties for Biomedical Applications

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submissions:

closed (20 September 2022)

Message from the Guest Editor

To participate in this special issue, I invite all researchers and researchers involved in the nanoworld. All issues related to the nanoworld, from production and metrology, to application in real sectors of the economy, will be considered. Review articles are welcomed, as well as articles devoted to the prospects for the development of this field of science in the future. The main topics of the special edition are listed below:

- Methods for obtaining nanomaterials (laser ablation, explosion, "green" synthesis, etc.)
- Methods for obtaining nanostructured materials (laser ablation, etching, chemical structuring methods, etc.)
- Methods for assessing the physical properties of nanomaterials and composite materials based on them (any physical or chemical methods of analysis)
- Laser and optical technologies for the study of nanomaterials (microscopy, spectroscopy, luminescence analysis etc.)
- Metrology of nanomaterials (any physical or chemical methods of analysis)
- Biomedical application of nanomaterials or materials (targeted delivery, controlled release, new composite materials, materials for prosthetics, etc.)
- Application of nanomaterials in the food industry and agriculture.



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Special Issue



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Editor-in-Chief

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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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