



Advanced Nanomaterials for Quantum Technology, Sensor and Health Therapy Applications

Guest Editor:

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Message from the Guest Editor

Dear colleagues,

Intense interest in nanostructured materials is fueled by the tremendous economic and technological benefits anticipated from nanotechnology and nanodevices. Nanostructured materials have demonstrated great potential for applications in optoelectronics, sensors and cancer therapy. The advance in these areas will affect our daily life from how we design a fast computer, to how we preserve the environment, and how we diagnose and treat disease and pollution.

This Special Issue aims to cover a broad range of subjects, from nanomaterials for quantum technology applications to sensor and health science applications. The format of welcomed articles includes full papers, communications, and reviews. Potential topics include, but are not limited to:

- Nanomaterials for quantum technology applications;
- Nanomaterials for sensor applications;
- Nanomaterials for health science

Prof. Dr. Sotirios Baskoutas

Guest Editor





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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.

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