Special Issue

Low-Dimensional Carbon Nanostructures and Their Applications in Advanced Composite Materials and Devices

Message from the Guest Editors

This Special Issue, "Low-Dimensional Carbon Nanostructures and Their Applications in Advanced Composite Materials and Devices", will focus on the development of unique materials or devices containing different 0D, 1D, or 2D carbon-based nanomaterials such as quantum dots, graphene, graphene oxide, or carbon nanotubes. The proposed topics include (but are not limited to) the following:

- Graphene-based composites;
- Graphene oxide-based composites;
- CNT-based composites;
- Energy harvesting systems;
- Optoelectronics and laser devices;
- High-temperature superconductors with nanoscale pinning centers;
- New trends in nano-based composites;
- Environmental aspects of nano-based composites;
- Construction materials with nano-additives;
- Photonic, plasmonic, and metamaterial devices;
- Nano sensing devices;
- Micro-electromechanical systems;
- Bioelectronics.

In order to further the understanding of low-dimensional nanostructures and their applications in composites, this Special Issue welcomes your submissions of cutting-edge research in this practical and interesting field.

Guest Editors

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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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