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

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Deadline for manuscript submissions:

closed (10 August 2022)

Message from the Guest Editors

Dear Colleagues,

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.











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Editor-in-Chief

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Message from the Editor-in-Chief

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