Special Issue

Carbon Nanomaterials for Multifunctional Applications

Message from the Guest Editor

This Special Issue, titled "Carbon Nanomaterials for Multifunctional Applications," aims to explore the latest advances in harnessing the unique properties of carbon nanomaterials for diverse applications. We invite researchers to contribute their original research articles, communications, and reviews to this Special Issue. Topics of interest include, but are not limited to:

1. Novel Fabrication Techniques: Exploring innovative methods for the synthesis and production of carbon nanomaterials.
2. Design of Multifunctional Materials: This may include flexible composites, coatings, and hybrids with tailored properties.
3. Advanced Characterization: Presenting cutting-edge techniques and tools for characterizing the microstructure and properties of carbon nanomaterials.
4. Applications in Emerging Fields: such as nanoelectronics, sensor technology, energy conversion and storage, catalysis, and more.
5. Carbon Nanomaterials for Environmental Solutions: such as gas adsorption and separation, water purification, and sustainable energy generation.
6. Safety and Toxicology: Discussing the safety and potential toxicological concerns associated with the use of carbon nanomaterials.

Guest Editor

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Deadline for manuscript submissions

closed (20 April 2025)

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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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