

Special Issue

Advances in Carbon-Based Nanomaterials Applied Innovations

Message from the Guest Editors

This Special Issue, entitled “Recent Study and Application of Carbon Nanotube and Other Carbon-Based Nanomaterials”, focuses on the recent advancements and applications of carbon nanotubes (CNTs) and other carbon-based nanomaterials. This collection of articles covers a wide range of topics, including synthesis and characterization techniques, first-principle simulations, functionalization methods, and emerging applications. Researchers delve into the study of different types of carbon nanotubes, such as single-walled and multi-walled carbon nanotubes, exploring their unique properties and potential applications in electronics, energy storage, biomedical engineering, and environmental remediation. This Special Issue highlights advancements in fabrication techniques, such as chemical vapor deposition, arc discharge, and laser ablation, and their impact on the quality and scalability of carbon nanotubes. Simulation study via different approaches such as the first-principle calculation needs to be addressed as well.

Guest Editors

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Deadline for manuscript submissions

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Message from the Editor-in-Chief

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Editor-in-Chief

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