

Special Issue

Production, Purification and Applications of Carbon Nanomaterials

Message from the Guest Editors

Nanotechnology plays a key role in the development of composites by integrating nanomaterials with ceramic, polymeric, cementitious, and other macromaterials. For decades, the production, purification, and application of carbon nanostructures have held a prominent position in scientific research worldwide, leading to numerous publications and patents in fields such as materials engineering, medicine, electronics, and environmental sciences.

This Special Issue seeks high-quality works focusing on a specific area of research within the broader field of nanotechnology, with content including cutting-edge research, innovations, and emerging trends. Topics include, but are not limited to, the following: Production of carbon nanomaterials using advanced methods (including methodology in situ); Purification of carbon nanomaterials (e.g., removal of metal catalysts or impurities and homogenization of nanomaterials for high-quality products); Applications of carbon nanomaterials (e.g., energy storage, electronics and sensors, environmental applications, biomedical applications, composite materials, catalysis, and nanocomposites for coatings and paints).

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