Special Issue

Synthesis and Characterization of Carbonaceous Nanostructured Materials for Innovative Applications

Message from the Guest Editors

Carbon nanomaterials have attracted increasing attention in the last few decades, and they and are being extensively investigated due to their peculiar properties. The applications of carbon nanomaterials span from energy storage and conversion and catalysis support to the production of advanced sensors, drug delivery, and many more.

This Special Issue covers the latest progress in the production of different nanocarbon materials (nanodiamonds, fullerenes, nanotubes, graphene, carbon dots, soot particles, etc.), with a special focus on high-temperature routes and particularly flame synthesis. Studies on all the different ex situ and in situ characterization techniques for structure control, property analysis, and functional applications of these nanomaterials are welcome. **Keywords:** carbon nanomaterials; functional applications; nanocomposites; chemical/structural characterization; optical characterization; morphological characterization/microscopy; energy storage and production; sensors; flame synthesis; deposition of nanostructured thin films; electrochemical characterization

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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