Special Issue

Combustion Generated Carbon Nanomaterials: Synthesis, Characterization and Novel Applications

Message from the Guest Editors

In the last decades combustion synthesis and related high temperature processes are emerging as extremely versatile methods for the synthesis of a large variety of novel carbon materials at both micro and nanoscale level. And new opportunities are being opened by the use of a catalytic support or by of low-cost precursors and even waste materials or biomass-derived renewable feedstock. This Special Issue seeks to address recent developments in combustion synthesis routes of carbon nanomaterials. Papers addressing the following aspects for carbon nanomaterials produced by combustion and related processes are also welcome: new or improved combustion synthesis routes; use of novel or renewable fuel material; functionalization and characterization of combustion-formed carbon nanomaterials; applications. The carbon products can be in the form of powders, aerosols, suspended particles/nanoparticles in liquids or deposited as thin films. Fundamental and applied studies are welcome. Full papers, communications, and reviews covering these subjects are welcome.

Guest Editors

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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.

Editor-in-Chief

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