Special Issue

Nanocarbon Based Composites

Message from the Guest Editor

Carbon-based nanocomposites (CNCs) of different kinds have been designed for possible use in wide fields of applications: the aerospace and aeronautics industry, the automotive industry, civil engineering, electronics, medical equipment, and sport tools, just to mention a few. As the demand for composite applications is steadily on the rise, gaining insight on such advanced technologically innovative materials is critically important. CNCs are interesting because they are a multifunctional material, joining different phases yielding unique and high-performance materials, in which allotropic forms of carbon (e.g., graphene, nanotubes, and fullerene) can be employed as a filler. Our Special Issue is devoted to covering a broad range of research activities, findings, and recent progress related to composites based on carbon nanomaterials. Potential topics include, but are not limited to, the following:

- Synthesis/fabrication of CNCs.
- The characterization of CNCs.
- The physical and chemical properties of CNCs.
- The functionalization of CNCs.
- Emerging applications of polymer CNCs.

Guest Editor

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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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