Special Issue

Recent Advances in Carbon-Fiber Reinforced Composites

Message from the Guest Editors

Carbon fibers are highly required in the fabrication of a multitude of composites ranging from polymers and resins to concrete, asphalt or geopolymers, to textile technology or ceramics. They have extraordinary properties such as high strength, low weight, high stiffness, high electrical conductivity, and high resistance to corrosion and heat. Depending on the type, they can be used to improve the mechanical, electrical, or thermal properties of composites. Even though carbon fibers are considered a cost-efficient material, they are still expensive. A major drawback could be their dispersion when mixing with other materials. The characterization of the different composites and their multiple applications represent a vast field of research. This Special Issue will focus on recent advances in the carbon-fiber reinforced composites field. Topics can include, but are not limited to:

- Fiber to matrix bonding
- Mechanical, electrical, and thermal properties of composites
- Durability
- Sustainability
- Structural and non-structural applications of carbon fibers

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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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