Special Issue

Structural Design and Analysis of Fiber Composites

Message from the Guest Editors

This Special Issue of *Materials* is devoted to 'Structural Design and Analysis of Fiber Composites. In order to develop structural applications for textile fiber composite materials, fundamental approaches for analysis and design for tensile, shear, and flexural design are needed; the nature of fiber composite materials, the conventional fibers and nanoscale fibers composite lie in chemistry and physics in fibers and textiles, high-performance fibers and composites, carbon nanotube fibers and graphene fibers, multifunctional and multimaterial fibers, environment-friendly fibers and fiber-related materials. This Special Issue aims to encourage the exchange of ideas among chemists, physicists, material scientists, energy–environmental–biomedical researchers, engineers, and other researchers who are active at the frontiers of all fiber-related fields. The latest knowledge on advances in theoretical, experimental, and structural design and analysis of fiber composites is also welcome.

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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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