Special Issue

Sustainability in Fiber Composites

Message from the Guest Editor

Due to the increasing environmental awareness of the population and the knowledge that crude oil is a finite resource, interest in natural fiber-reinforced plastics has been increasing rapidly for several years. Fiber-reinforced plastics, on one hand, are inexpensive and, on the other, have strengths that make them suitable for structural components. The variety of materials is extraordinarily large. There are fiber materials based on glass, carbon, basalt, aramid, and natural fibers that can be spun, laid, and woven in different processing methods and then embedded in plastics. With the use in products, the need for waste treatment and usability grows. Recycling concepts are therefore necessary, and recyclability should be an important factor in the choice of material. This Special Issue will focus on:

Use of renewable raw materials and recycled materials, their influence on properties, and aspects of sustainability;
Recycling, recovery, and usability technologies;
Environmental emissions in the production process;
Effects on life-cycle assessment.

Guest Editor

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Message from the Editorial Board

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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