Special Issue

Composites Materials for Aeronautical Structural Application

Message from the Guest Editor

composite materials have been used worldwide, in an increasing number of applications, moving from secondary to primary structures such as wings, fuselages, control surfaces and spacecraft. New materials, processing methods, and numerical tools are still being continuously developed with the objective to reduce structural weight, minimize environmental impact, improve a vehicle's cost efficiency, reduce energy consumption and provide advanced solutions for passive safety and maintenance-free structures.This Special Issue aims to present the positive expectations with regard to composite materials, but also to list the drawbacks resulting from their improper or inefficient use, aiming to provide experience and evidence to support efficient future applications in the aeronautical field. Researchers from both the academic and industrial environment are invited to publish results of their experiences, lessons learnt and their view of future achievements in this field.

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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