Special Issue

Organic Matrix Composites and Multifunctional Materials

Message from the Guest Editor

Thanks to their excellent properties, organic matrix composites are attracting considerable attention *across* a number of *industries* such as the aeronautic, automotive, marine, sport, civil engineering, and electricity fields. These materials are light and non-corrodible, and their properties can be almost "tailor-made" due to the wide variety of reinforcements, most often fibrous (glass, carbon, and ligno-cellulosic) but also not non-fibrous (hollow microspheres) and matrices (thermosetting or thermoplastic), as well as many manufacturing processes. This Special Issue focuses on the development of new composites, especially multifunctional composites and the study of their properties (included long time behavior). Topics of interest include but are not limited to the following:

- New components (matrices, reinforcements) and manufacturing;
- Eco-friendly composite materials (matrix, reinforcements);
- Structural health monitoring (sensors and actuators);
- Self-healing materials and damage control;
- Shape control, energy harvesting;
- Meta composites.

Guest Editor

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About the Journal

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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