Special Issue

Mechanical Behavior of Composite Materials

Message from the Guest Editor

One of the main research lines and work in the field of composites was, is and always will be the improvement of their mechanical properties. The appearance of this type of material was decisive in the evolution of materials due to its high mechanical properties. Although they at first appeared to have only advantages, as time has passed, multiple characterization tests have shown weak points in these materials. An example would be the resistance to interlaminar fracture in a material constituted from the stacking of different layers. For this reason, the mechanical characterization of composites, their improvement, their weak points, and the way in which they can be overcome, for example using nanoparticles, are considered interesting points. In short, all contributions that allow for the dissemination of the best knowledge of this exciting family of materials from the point of view of their mechanical properties will be covered in this Special Issue. Keywords

- composites
- mechanical properties
- mechanical tests
- fracture
- fatigue

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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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