Special Issue

Mechanical Properties of Polymeric, Metallic, and Composite Materials

Message from the Guest Editors

Considering the increase in material costs, it has become exceedingly important to produce lightweight constructions through the use of certified materials with appropriate mechanical properties. Many composite materials, especially in building engineering, are characterized by using waste materials, allowing the obtainment of an eco-friendly factor and often also positively affecting the performance (as well as mechanical) properties of the whole construction. A similar phenomenon has been noticed in polymers and metals, with the ecologically friendly factor having increasingly more influence in such materials. The main aim of our Special Issue is to gather all novel research results concerning different materials available for all important industries—building engineering, the heavy industry, automotive, aerospace, and medicine. Such a general title has been proposed to also include different manufacturing technologies using various materials—conventional (milling, casting, forming, and turning) and novel (hybrid and additive manufacturing).

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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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