Special Issue

Experimental Research and Computational Analysis of Eco- and Bio-Materials

Message from the Guest Editors

This Special Issue of Materials is devoted to experimental research and computational analysis of eco- and biomaterials. Biomaterials belong to the family of materials of biological origin, which includes, inter alia, wood-based materials, corrugated cardboard, but also synthetic and natural materials that may come into direct contact with organic tissues. The family of ecomaterials, on the other hand, includes both construction materials and textiles.

The main areas of interest for this Special Issue are, among others, the following: mechanical characteristics and strength estimation methods, numerical and analytical homogenization techniques, laboratory research methods, linear and nonlinear analysis of any structures made of bio- and eco- or composite materials, laminated and corrugated materials, and fibrous materials. Materials readers and authors are encouraged to submit their latest research in these areas, with an emphasis on experimental validation and empirical evidence in all areas related to the mechanical behavior of these materials.

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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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