Special Issue

New Advances in Characterization of Cellular Materials

Message from the Guest Editors

There has been an increase in the use of cellular materials in different industries. This Special Issue represents a good opportunity for researchers to disseminate new advances related to the behavior of cellular materials such as, for example, different manufacturing routes, advances in microstructure observations and measurement of cellular material properties, the relationship between microstructure and mechanical and physical properties, damping characterization, surface and volume treatment, advances in simulation and modeling of cellular material behavior, behavior of sandwich structures with cellular material cores, novel cellular structures. Both natural (cork or wood, bones) and manufactured (polymeric, metallic, and ceramic foams, honeycomb) cellular structures will be considered.

- cellular structures
- foams
- physical and mechanical properties
- microstructure
- manufacturing routes

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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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