

Special Issue

Compressive Behavior of Materials and Structures

Message from the Guest Editors

This Special Issue of the scientific journal *Materials* entitled “Compressive Behavior of Materials and Structures” is intended to gather the latest findings and trends in research on materials and structures under compression, in terms of analytical, numerical and experimental approaches. Scientists and practitioners working in the field of material and structure mechanics are invited to publish their valuable papers on composites and other commonly used engineering materials. The scope covers analyses of phenomena taking place in materials and structures subjected to compressive loads, such as buckling, damage and fracture, or any peculiar behavior. Among others, laminate composites made of different (hybrid) plies or manifesting layup-dependent elastic couplings, as well as thin-walled structures exhibiting damage-induced gradual degradation of their load-carrying capacity in the post-buckling regime, are of special interest. Damage initiation and propagation are crucial when studying the behavior of materials and structures. Thus, it is necessary to conduct advanced research in order to provide a reliable assessment of the above-mentioned phenomena.

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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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