

Special Issue

Mechanics and Analysis of Advanced Materials and Structures - 2nd Volume

Message from the Guest Editors

This Special Issue focuses on advancements in the design and characterization of materials and structures. Developments of novel characterization techniques and design of new materials and structures are cooperative. New material and structural designs often require novel techniques of characterization. Even for the same material, microscopic and macroscopic structures need different analytical methods. Material characterization based on novel analytical techniques leads to ideas of new material and structural design. In this area, interdisciplinary approaches are often useful. Contributions from various scientific and engineering communities are welcome. Similarly, studies on various materials and structures such as biochemical compounds and three-dimensionally printed objects will be of great interest. As for analytical techniques, while a variety such as optical, acoustic, and other sensing techniques will be considered, studies using multiple techniques are especially welcome. New techniques do not necessarily mean revolutionary new methods, of course. Techniques known for centuries can be applied to new materials or structures and produce unexpected results.

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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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