Special Issue

Mechanical Properties of Advanced Materials and Structures

Message from the Guest Editors

The development of advanced materials and structures including fabrication, properties, and applications has become one of the most important topics in recent years. There has been a continual global push on the development of materials with enhanced properties across a wide spectrum of applications. It is my pleasure to invite you to submit a manuscript to this Special Issue. The aim of this Special Issue is to publish high-quality research on advanced materials and structures with lasting significance. The scope encompasses computational and experimental endeavors that characterize, predict, and elaborate on the responses of advanced materials and structures, subjected to a broad range of stimuli (e.g., mechanical, thermal, electrical, magnetic). Papers documenting on the fabrication, properties, and applications of advanced structural and materials are encouraged. Communications and reviews on focus topics are all welcome. **Keywords**

- mechanical properties
- advanced materials and structures
- multiscale modeling

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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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