

Special Issue

Computational Materials Modeling, Analysis and Applications

Message from the Guest Editor

This Special Issue is aimed at publishing original contributions related to the analysis of the behavior of materials by means of computational methods for practical engineering applications. Studies about all types of materials and analyses of different kind of properties are welcome. However, it must be clear that the application in science or engineering is addressed. The contributions must be focused on computational aspects as the development of new mathematical models and numerical methods, or the application of existing ones in engineering analysis, allowing extracting new relevant conclusions for practical purposes. Results without experimental verification or without comparison with other established models or methods are not recommended. Keywords

- Metals, polymers, ceramics, composites
- Micro, meso, macro and multi scales
- Properties: mechanical, electrical, optical, thermal, etc.
- Mathematical models, numerical methods
- Science and engineering applications

Guest Editor

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Message from the Editorial Board

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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