

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

Dr. Fernando Cortés

Head of the department of Mechanics, Design and Industrial Management, University of Deusto, Avda de las Universidades 24, 48007 Bilbao, Spain

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Materials
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
materials@mdpi.com

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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.

Editor-in-Chief

Prof. Dr. Maryam Tabrizian

1. Department of Biomedical Engineering, Faculty of Medicine and Health Sciences, McGill University, Montreal, QC H3A 2B6, Canada
2. Faculty of Dentistry and Oral Health Sciences, McGill University, 3640 Rue University, Montreal, QC H3A 0C7, Canada

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