Special Issue

Methodology of the Design and Testing of Composite Structures (2nd Edition)

Message from the Guest Editors

Composites are now being used in many key areas of the economy. Compared to common homogeneous materials, composites exhibit better thermal, electrical, tribological and mechanical properties. This is due to the fact that, in composite materials, the best features of the matrix (e.g., ductility, fracture toughness, low specific weight) and the particles embedded therein (e.g., high strength, high elastic modulus, wear resistance, desired thermal or electrical conductivity) are combined.

The scope of this Special Issue will provide a forum for reports on the following topics:

Manufacturing of composite materials;
Analytical and numerical modeling of composite materials;
Test methods for composite materials and structures;
Experimental procedures for establishing averaged mechanical and physical properties of composites;
Analytical and numerical models for predicting averaged mechanical and physical properties of composites;
New trends in composite materials.

Guest Editors

Dr. Grzegorz Mieczkowski

Dr. Dariusz Szpica

Dr. Andrzej Borawski

Deadline for manuscript submissions

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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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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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