

## Special Issue

# The Composite Materials of Today and Tomorrow

### Message from the Guest Editors

Due to their excellent properties, composite materials, biocomposites, or composites with organic matrixes attract special attention in a number of industries, such as aerospace, automotive, maritime, sports, energy, civil engineering, and electrical fields. These materials are light and non-corrosive, and their amazing properties make them adaptable in various fields. Composite materials are constantly and reliably evolving.

In recent years, the introduction of multifunctional composite material systems has made it possible to further improve primary functions such as stiffness associated with lightness by combining thermoforming and injection manufacturing processes or impact behavior by using composites reinforced with different types of fibers, some chosen for stiffness and others for damping capacity.

This Special Issue focuses on the development of new composites, especially multifunctional composites, and the study of their properties (including long-term behavior).

Topics of interest include, but are not limited to, the following:

- New components and fabrication;
- Ecological composite materials;
- Structural health monitoring;
- Biocomposites;
- Meta-composites.

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### Guest Editors

Dr. Florian Ion Tiberiu Petrescu

Prof. Dr. Francisco Márquez

Dr. Gang Shi

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### Deadline for manuscript submissions

closed (20 December 2023)



## Materials

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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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