

## Special Issue

# Fiber-Reinforced Materials/Composites: Manufacturing, Characterization, Modeling, Testing and LCA

### Message from the Guest Editor

Composite materials are extensively used in several engineering areas. The design and development of composite materials is a complex process, since a number of ingredients can be used in the formulation. As the properties of composite materials can be affected in different ways by the manufacturing process, the investigation of the possibilities for modeling, prediction, and optimization of their performance is crucial. This Special Issue covers, but is not limited to, the topic of fiber-reinforced composites, which includes four main groups of composites according to their matrices:

- metal matrix composites (MMCs);
- ceramic matrix composites (CMCs);
- carbon/carbon composites (C/Cs);
- polymer matrix composites (PMCs).

Contributions dealing with innovative research on manufacturing methods, characterization technique, modeling, and testing are welcome, as well as the application of the life-cycle assessment method to design sustainable products.

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### Guest Editor

Prof. Dr. Angela D. La Rosa

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### Deadline for manuscript submissions

closed (15 October 2021)



## Materials

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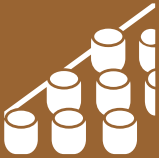
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### Message from the Editor-in-Chief

*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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### Editor-in-Chief

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