



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

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

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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Message from the Editor-in-Chief

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