

Special Issue

Mechanical Behavior of Fiber Reinforced Composites

Message from the Guest Editors

This Special Issue aims to collect recent frontier research on the mechanical behavior of advanced composite materials, spanning from single constituents to the laminate level or using a multi-scale approach. In particular, we encourage the submission of papers on the following topics:

- Experimental characterization of static, dynamic, or fatigue loading;
- Influence of the environmental condition (e.g., high or low temperatures, humidity, etc.);
- Numerical modeling of single constituents or laminates;
- Impact response and damage resistance to low-velocity impacts or slamming loads; and

Characterization and modeling of:

- Hybrid laminates;
- Natural- and bio-composites;
- Recycled composites;
- Self-reinforced and nano-reinforced composites;
- Functional composite materials (including nano-modified materials);
- Self-sensing laminates;
- Self-healing laminates;
- Laminates with morphing capabilities.

Guest Editors

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Deadline for manuscript submissions

closed (31 December 2022)



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About the Journal

Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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