Special Issue

Impact Behaviour of Composite Materials

Message from the Guest Editors

Fiber-reinforced polymers (FRPs) are increasingly used in a variety of engineering applications due to their superior strength-to-weight ratio and corrosion resistance. Despite these advantages, composite materials are particularly susceptible to damage when subjected to impact loading. Understanding the mechanisms of damage initiation, propagation, and failure is essential for predicting the behavior of composites under impact and for designing more damage-tolerant structures. This Special Issue aims to explore the latest advances, challenges, and applications of FRP composites, with a particular focus on the impact and post-impact behavior. Topics of interest include, but are not limited to, the following:

- Experimental testing;
- Numerical modeling;
- Damage inspection techniques;
- Analytical models for predicting the impact performance of composite materials.

We also welcome studies on buckling and research aimed at improving the toughness and ductility of composite materials.

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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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