

Special Issue

New Trends in Multilayer Composites: From Design to Characterization

Message from the Guest Editors

Multilayer composite materials have attracted increasing attention for their excellent mechanical. Their performance requirements vary with applications, and can be achieved by selecting suitable matrix, reinforcing materials, layer configuration and manufacturing technology. Composites with natural fibers have also gained growing interest, and both experimental and numerical studies on multilayer composites are widely conducted.

In service, multilayer composite components need regular damage inspection, and structural health monitoring is becoming more important for timely damage detection. Damaged parts are replaced or repaired based on safety and economic factors. Therefore, research should cover not only material properties but also diagnostics, health monitoring and repair of FRP components. This Special Issue aims to present the latest advances in multilayer composites, including FRP development, reinforcing materials, green composites, sandwich structures, recycling, manufacturing, numerical analysis, mechanical properties, impact resistance, diagnostics, structural health monitoring and repair methods.

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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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