Special Issue

New Sciences and Technologies in Composite Materials

Message from the Guest Editors

Over the past few decades, significant advancements have been made in composite materials, which are now widely used across various engineering sectors. The properties of composite materials, including high strength-to-weight ratios, durability, corrosion resistance, versatility, programmability, make them meeting the complex demands of modern engineering applications. This special issue aims to highlight the latest developments in composite science and technology, providing a platform for the research that addresses the challenges across design, experimental investigations, theoretical analysis, numerical modeling, joining, and manufacturing of composite materials. The research may span a range of length scales, from nano and micro to meso and macro scales (product level). We strongly encourage the submission of research that explores and utilizes newly developed concepts, theories and emerging technologies, such as novel multi-scale modeling approaches, non-destructive testing techniques, functional materials/structures, machine learning /artificial intelligence, and additive manufacturing. Both conventional technical papers and review articles are welcome.

Guest Editors

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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.

Editor-in-Chief

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