

Special Issue

Nondestructive Evaluation and Intelligent Monitoring for Composite Materials

Message from the Guest Editors

Advancements in composite materials have revolutionized industries such as aerospace, automotive, and civil engineering, where high performance and reliability are crucial. Ensuring the integrity of these materials is essential, especially in critical applications that directly impact safety and success. Nondestructive evaluation (NDE) technologies have rapidly evolved, offering effective solutions for the inspection and monitoring of these advanced materials without causing damage. Coupled with intelligent monitoring systems, such as those utilizing data analytics and artificial intelligence, these technologies are key to improving the quality and reliability of composite components. This Special Issue invites researchers, engineers, and practitioners to submit original research, reviews, and practical case studies focused on the application of NDE and intelligent monitoring for composite materials. Both theoretical and practical contributions are encouraged, with the aim of advancing the field and offering valuable insights to the wider engineering community.

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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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