

## Special Issue

# Multifunctional Composites and Structures for Aerospace Applications

### Message from the Guest Editors

The selection of composite materials and their associated structures is highly influenced by the requirements of the aircraft parts and areas that they are designed for. Composites and structures with multiple functionalities drive the aircraft and aerospace industry towards new levels of performance, efficiency, and circularity.

This Special Issue aims to gather a collection of the latest studies in the field of multifunctional composites and structures for applications in the aerospace sector. As guest editors, we kindly invite you to submit full research articles and reviews addressing, but not limited to, the following topics:

- Development of multifunctional composite materials for the aerospace and air transport industries;
- Characterization and testing of multifunctional composite materials for the aerospace and air transport industries;
- Manufacturing and qualification processes of composite structures for aerospace applications;
- Structural design of composite materials for aircraft engineering;
- Mathematical simulation processes for development and testing of multifunctional composites and structures in the aircraft industry.

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### Guest Editors

Dr. George Pelin

Dr. Vladimir Lucian Ene

Dr. Adrian Ionut Nicoara

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### Deadline for manuscript submissions

20 January 2026



## Applied Sciences

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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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### Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo  
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