



## Advanced Composite Materials: Theory, Design and Applications

Guest Editor:

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Deadline for manuscript  
submissions:

**closed (20 September 2022)**

### Message from the Guest Editor

Dear Colleagues,

Composite materials are widely used in various areas of science. Especially in the last several decades, the use of composite materials has seen a significant increase and application in sectors that were unthinkable a few years ago. This Special Issue aims to focus on research relating to the application of composite materials on three different points. These are: theoretical developments, especially with reference to materials and composite performance; different criteria design (considering also aspects related to static, fatigue, and fracture phenomena, for example); and real and innovative applications (a very important aspect related, for example, to the junction of composite materials with other materials).

This Special Issue will cover the following topics (but not limited to these):

- Design by composite material;
- Static, fatigue, and fracture performance;
- Damage criteria;
- Experimental tests;
- Lightweighting components;
- Joint design;
- Manufacturing processes;
- Innovative applications.
- Theoretical studies (analytical and numerical).





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## Message from the Editor-in-Chief

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