

## Special Issue

# Mechanical Properties and Applications of Composite Materials

### Message from the Guest Editors

Composite materials, produced from combining two or more constituent materials, have received increasing attention in various industries, thanks to their enhanced mechanical properties, improved corrosion, increased durability, and better performance. Evaluating the mechanical properties and exploring the application of the composite materials are the most significant focus area of the field. The aim of this Special Issue is to demonstrate the latest ideas, present the recent experimental results regarding the mechanical properties of composite materials and their applications, and gain deeper understanding about the failure mechanism. The key area of interest of this Special Issue includes the evaluation or validation of mechanical properties under varied scales, new testing methods, innovative manufacturing methods, the development of new composite systems, mechanical properties calculated with computational models, etc.

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### Guest Editors

Dr. Bowen Gong  
Dr. Weiguang Zhu  
Dr. Kun Yang  
Dr. Penghui Lei

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### Deadline for manuscript submissions

closed (20 March 2025)



## 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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