

## Special Issue

# Advances in Polymer Composites: Mechanical Performance, Manufacturing Process and Applications

### Message from the Guest Editors

This Special Issue will cover a broad range of topics related to polymer composites, including, but not limited to, the following: Mechanical Performance:

- Evaluation and enhancement of the mechanical properties of polymer composites, such as tensile strength, impact resistance and fatigue behaviour.
- Understanding the relationship between composite structure and mechanical performance.
- Advances in testing methods and standards for assessing the mechanical properties of polymer composites.
- Studying/optimizing the mechanical properties with artificial intelligence methods.

### Manufacturing Processes:

- Innovations in manufacturing techniques such as injection moulding, extrusion, 3D printing and additive manufacturing.
- Optimization of processing parameters to improve the quality and performance of polymer composites.
- Development of sustainable and environmentally friendly manufacturing processes.

### Applications:

- Exploration of novel applications of polymer composites in various industries, including aerospace, automotive, biomedical and electronics.
- Future trends and potential new applications for polymer composites.

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### Guest Editors

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### Deadline for manuscript submissions

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## 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

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