

## Novel Advances in Multi-Layer Fibre-Reinforced Composites

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### Message from the Guest Editors

Advanced multi-layer composite structures are attracting increasing attention in industrial applications due to their excellent mechanical performance and multifunctionality as compared to their metallic counterparts. At present, several novel modelling methods and manufacturing techniques for advanced multi-layer composites have been developed, which are essential to boost the applications of advanced composite structures in several industrial fields.

The Special Issue presents the latest advances in novel manufacturing techniques, modelling methods, mechanical/functional characterisation and the applications of advanced multi-layer composite structures. Topics of interest include, but are not limited to:

- Advanced manufacturing technology such as 3D printing.
- Novel modelling techniques towards the design and manufacturing of multi-layer composite structures.
- Novel design methods and approaches.
- Mechanical/functional characterisation of multi-layer fibre-reinforced polymer composite structures.
- Life-cycle assessment.
- Composite response under extreme conditions.
- Advanced engineering applications.

We look forward to receiving your contributions.



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# Special Issue

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## Message from the Editorial Board

Now more than ever, research is called for to produce technologies and improve knowledge to solve the major challenges faced by our society. The development of new materials and devices for (without the ambition to be exhaustive) energy, health and food technology, together with the need for establishing processes that reduce the impact on critical resources and the environment, is indeed at the center of most contemporary research. Surface science and engineering play a key role in this regard. Refining surfaces and their modifications provides new materials, architectures and processes with a huge potential to aid most societal challenges. *Coatings* is a well-established, peer-reviewed, online journal that focuses on the dissemination of publications in the field of surface science and engineering. *Coatings* publishes original research articles that report cutting-edge results and review papers on the hottest topics.

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