

Special Issue

Novel Advances in Multi-Layer Fibre-Reinforced Composites

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.

Guest Editors

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Deadline for manuscript submissions

closed (20 August 2024)



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About the Journal

Message from the Editorial Board

Now more than ever, research is asked to deliver knowledge and technologies 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 in the spotlight of most contemporary research. Surface science and engineering play a key role in this regard, with an incredible potential in delivering new and deep scientific understanding and technical solutions essential to solve most of the major societal challenges.

Coatings is a well-established, peerreviewed, online journal dedicated to the vibrant field of surface science and engineering. Coatings publishes original research articles that report cutting-edge results and review papers that make the point on the hottest research topics.

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