Special Issue

Additive Manufacturing of Advanced Composites

Message from the Guest Editor

Advanced composites, e.g., continuous, or discontinuous fibre reinforced composites, nanocomposites, etc., are attracting increasing attention in industrial applications due to excellent performance, i.e., high mechanical properties in terms of stiffness- and strength-to-weight ratios, when compared to their counterparts. As such, the development of advanced composites can fulfil many special but important engineering missions, such as the safety improvement, weight reduction, energy-absorption enhancement, and so forth. With these significant aims, this Special Issue is dedicated to the field of novel and engineering solutions in additive manufacturing of advanced composite materials and structures. Briefly, the Special Issue has a particular focus on but not limited to 3D printed composites with respect to advanced design, manufacture, characterisation for high-performance composite products by 3D printing.
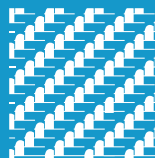
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