



## Advanced Carbon Fiber Reinforced Composite Materials

Guest Editor:

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### Message from the Guest Editor

This Special Issue of *Journal of Composites Science*, entitled “Advanced Carbon Fiber Reinforced Composite Materials”, focuses on advanced composite materials such as carbon fiber-reinforced plastics (CFRP), which have gained the attention of different industries, such as aerospace, automotive and motorsports industries, which produce lightweight and high-performance components.

Advanced composite materials, primarily governed by the properties of reinforcing fibers such as high strength and high stiffness characteristics, are characterized by their high potential in terms of stiffness/weight ratio, making them very attractive for structural applications in which low weight and high stiffness conditions have to be met.

The present Special Issue aims to collect contributions on the advanced carbon-fiber-reinforced composite materials, as well as to review the state-of-the-art on these materials. The manuscripts of this Issue will focus on the most significant and promising manufacturing technologies, machining and joining processes, modeling, simulation, material characterization and failure mechanisms.

