



Mechanical Characterizations and Applications of Carbon Fiber Composites

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Message from the Guest Editor

The present Special Issue focuses on recent developments in the characterization of nano-, micro-, meso-, and macro-level mechanical properties of such composites using experimental, analytical, and computational approaches and techniques. It also focuses on the novel, innovative applications of such composites in the abovementioned engineering areas and other similar areas. Research works on tensile, compressive, shear, fracture, fatigue, creep, impact, and damping properties of such composites, as well as on the durability and degradation due to temperature and moisture, will be covered in this Special Issue. Works on nanocomposites involving atomistic, molecular, and continuum mechanics computational modeling, experimental investigations, and hybrid approaches will also be covered. Static and dynamic applications for machine tools, machine elements, mechanical structures, aerospace structures, automobile structures and components, naval vessels, helicopter blades and rotors, infrastructure, rotating machinery, and similar practical components and structures will be of interest to the present Special Issue.





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Message from the Editor-in-Chief

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