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Review Article

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High-performance Graphite-reinforced Sustainable Epoxy Composite

Published On: June 25, 2025 | Pages: 009 - 013

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The industry constantly looks for lightweight, high-strength parts for airplanes and wind turbine blades. Despite the possibility of substituting polymers for metal components, there is a criticality implied by the poorer mechanical and thermal performance of polymers. This study examines the microstructure and mechanical properties of distinct industrial-grade filler ...

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Mini Review

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The effect of Drought as a Stress Factor on Plant Metabolic Processes

Published On: February 18, 2025 | Pages: 001 - 008

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This review article discusses the cellular mechanisms of the combined effects of heat and water deficit on plants. It is known that abiotic stress leads to cell dehydration and the accumulation of reactive oxygen species in the cell, which leads to the disruption of membranes and the photosynthetic system at the cellular level. In addition, new data are presented that ...

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