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Titolo	Bamboo fiber composites : processing, properties and applications // Mohammad Jawaid, Sanjay Mavinkere Rangappa, Suchart Siengchin, editors
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ISBN	981-15-8489-3
Edizione	[1st ed. 2021.]
Descrizione fisica	1 online resource (XIII, 297 p. 121 illus., 88 illus. in color.)
Collana	Composites Science and Technology
Disciplina	620.118
Soggetti	Fibrous composites
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Developments in synthesis and characterization of Bamboo fiber composites -- Surface modification and characterization of Bamboo fiber composites -- Processing and characterization of Bamboo fiber/thermoset composites -- Synthesis and characterization of Bamboo fiber/thermoplastic composites -- Effect of synthetic fiber hybridization with Bamboo fiber hybrid composites -- Advancement in use of fillers in Bamboo fiber composites -- Morphological and mechanical aspects of Bamboo composites -- Tribological behavior of Bamboo fiber reinforced polymer composites -- Characterization and properties of biopolymer reinforced bamboo composites -- Influence of fabrication techniques on properties of bamboo composites -- Free vibration analysis of Bamboo fiber based polymer composite -- Flame Retardancy of Bamboo Fiber Composites -- Dielectric properties of Bamboo fiber thermoplastic and thermoset composites -- Lifecycle assessment of thermoplastic and thermosetting bamboo composites -- Applications and drawbacks of Bamboo fiber composites.
Sommario/riassunto	This book summarizes many of the recent developments in the area of bamboo composites with emphasis on new challenges for the synthesis characterization, properties of bamboo composites and practical applications. The book provides an update of all the important areas of (synthesis, processing, properties and application) bamboo fibers and its composites in a comprehensive manner. The chapters contributed

by leading researchers from industry, academy, government and private research institutions across the globe benefit academics, researchers, scientists, engineers and students in the field of natural fiber composites.

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