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Nota di contenuto	Structure-property relationship of PLA-Opuntia Ficus Indica biocomposites -- Preparation and characterization of short kenaf fiber-based biocomposites reinforced with multi-walled carbon nanotubes -- Manufacturing and Characterization of Sugar palm bioplastic composites for packaging applications -- Characterization of PVA/cassava starch biocomposites fabricated with and without sonication using bacterial cellulose fiber loadings -- Green Biocomposites for Packaging applications -- Novel bio-nanocomposite hybrids made from polylactide/nanoclay nanocomposites and short flax fibers -- Sisal fiber-reinforced green composites: Effect of ecofriendly fiber treatment -- Development of bioplastic materials: From rapeseed oil industry by products to added value biodegradable biocomposite materials -- Effect of chemical treatments and additives on properties of chicken feathers thermoplastic biocomposites -- Mechanical and water absorption of injection moulded pineapple leaf fiber reinforced polylactic acid composites -- Hydrothermal aging behaviors of CMR/PLA biocomposites -- Development of sustainable biodegradable lignocellulosic hemp fiber/polycaprolactone biocomposites for light weight applications -- Proteins as Agricultural Polymers for Packaging Production -- Biocomposites from tanned leather fibres with applications in constructions.

Sommario/riassunto	The book highlights the recent research developments in biocomposite design, mechanical performance and utility. It discusses innovative experimental approaches along with mechanical designs and manufacturing aspects of various fibrous polymer matrix composites and presents examples of the synthesis and development of biocomposites and their applications. It is useful for researchers developing biocomposite materials for biomedical and environmental applications.