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Titolo	Bio-based Materials for Food Packaging : Green and Sustainable Advanced Packaging Materials / / edited by Shakeel Ahmed
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Descrizione fisica	1 online resource (305 pages)
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Soggetti	Food science Biomaterials Polymers Refuse and refuse disposal Food Science Waste Management/Waste Technology
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Livello bibliografico	Monografia
Nota di contenuto	Bio-based Materials: Past –to-Future -- Interaction Phenomena Between Packaging and Product -- Testing Methods for Packaging Materials -- Functionality and Properties of Bio-based Materials -- Potential Bio-based Edible Films, Foams and Hydrogels for Food Packaging -- Nanotechnology and Edible Films for Food Packaging Applications -- Bionanocomposites in Packaging: Business Model for Products' Commercialisation -- Environmental Friendly Biopolymers for Food Packaging: Starch, Protein and Poly-Lactic Acid (PLA) -- Biodegradable Smart Biopolymers for Food Packaging: Sustainable Approach Towards Green Environment -- Biopolymers, Nanocomposites and Environmental Protection-a far-Reaching Review -- Chitosan Based Edible Membranes for Food Packaging -- Chitosan Based Nanocomposites in Food Packaging -- Application of Nanocomposites in Packaging- a far-Reaching Review and a Vision for the Future.
Sommario/riassunto	This book provides an overview of the lastest developments in biobased materials and their applications in food packaging. Written by experts in their respective research domain, its thirteen chapters

discuss in detail fundamental knowledge on bio based materials. It is intended as a reference book for researchers, students, research scholars, academicians and scientists seeking biobased materials for food packaging applications.