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Nota di contenuto	1. Introductory Chapter: Introduction to Biocomposites - New Insights -- By Magdy M.M. Elnashar and Selcan Karakus -- 2. Physicochemical Characterization of Nanobiocomposites -- By Isra Dmour -- 3. Reactive Extrusion as an Environmentally Friendly Technology for the Production of Bio(Nano)Composites: Implementation and Characterization -- By Silvester Bolka and Blaz Nardin -- 4. The Porosity of Nanofiber Layers -- By Sedigheh Aghayari -- 5. Antibacterial, Antifungal and Antiviral Nanocomposites: Recent Advances and Mechanisms of Action -- By Suchita C. Warangkar, Manish R. Deshpande, Narayan D. Totewad and Archana A. Singh -- 6. Perspective Chapter: Tissue-Electronics Interfaces -- By Shahab Ahmadi Seyedkhani and Raheleh Mohammadpour.
Sommario/riassunto	This book discusses the synthesis, characterization and applications of biocomposites and nano-biocomposites. It focuses on recent studies, applications, and new technological developments in the fundamental properties of biocomposites. The book includes six chapters that address topics such as the biomedical applications and characterization of biopolymers, biocomposites, and nano-biocomposites.