1. Record Nr. UNINA9910483185303321 Autore Jagadish Titolo Manufacturing and processing of natural filler based polymer composites / / Jagadish, Sumit Bhowmik Cham, Switzerland:,: Springer,, [2021] Pubbl/distr/stampa ©2021 **ISBN** 3-030-65362-5 Edizione [1st ed. 2021.] Descrizione fisica 1 online resource (XVII, 97 p. 36 illus., 34 illus. in color.) SpringerBriefs in Applied Sciences and Technology, , 2191-530X Collana Disciplina 620.118 Soggetti Fibrous composites Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Nota di contenuto Overview -- Manufacturing and processing of jute filler based polymer composite -- Manufacturing and processing of hemp filler based polymer composite -- Manufacturing and processing of banana stem based filler composite -- Manufacturing and processing of sisal based filler composite. This book covers manufacturing and processing of various natural Sommario/riassunto filler-based polymer composites using conventional and advanced machining processes. It presents various experimental case studies conducted by the authors on conventional and advanced machining processes of various natural filler (jute, hemp, banana stem and sisal)based polymer composites materials. The authors report on the effects of machining processes on the machining properties, such as material removal rate, surface quality, geometric accuracy, process tine and

environment while machining various materials.