1. Record Nr. UNINA9910637784703321 Autore Roy Swarup Titolo **Bio-Based Polymeric Films** Basel, : MDPI - Multidisciplinary Digital Publishing Institute, 2022 Pubbl/distr/stampa **ISBN** 3-0365-5937-X Descrizione fisica 1 electronic resource (188 p.) Soggetti Technology: general issues History of engineering & technology Environmental science, engineering & technology Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia These days, massive consumer demands for short-term single-use Sommario/riassunto plastic materials have produced huge plastic waste, which in turn has created tremendous environmental pollution. Biodegradable polymers or biopolymers can be used to develop alternatives to synthetic petroleum-based plastics. Different sources of biopolymers, like carbohydrates, proteins, and lipids, as well as biodegradable polymers such as polyesters, polyamides, polyurethanes, etc., have been utilized

recently to make environmentally benign biodegradable plastic.