Record Nr. UNINA9910585940003321 Autore Felgueiras Helena P Titolo Extraction of Cellulose-Based Polymers from Textile Wastes Basel, : MDPI - Multidisciplinary Digital Publishing Institute, 2022 Pubbl/distr/stampa Descrizione fisica 1 online resource (188 p.) Soggetti **Physics** Research & information: general Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Sommario/riassunto The extraction and exploration of cellulose-based polymers is an exciting area of research. For many years, wood (especially from bleached kraft wood pulp) was considered the main source of cellulosic compounds because of its abundance in nature. However, in the past decade, researchers have been devoted to finding alternatives to extract cellulose from byproducts of agricultural crops and/or textile wastes, which are both highly available at a very reduced raw material cost. This book brings together original research that details the recent progresses and new developments in this field, and how this research

is contributing to a circular economy.