1. Record Nr. UNINA9910975248803321

Titolo	Biodegradation of cellulose fibers / / Barbara Simoncic ... [et al.]
Pubbl/distr/stampa	New York., : Nova Science Publishers, c2010
ISBN	1-61324-211-5
Edizione	[1st ed.]
Descrizione fisica	1 online resource (76 p.)
Collana	Bacteriology research developments
Altri autori (Persone)	SimoncicBarbara
Disciplina	572/.56682
Soggetti	Cellulose fibers Cellulose - Microbiology Cellulose - Biodegradation Microbial biotechnology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Introduction -- Materials for finishing and application methods -- Analytical methods for the evaluation of materials and finishes -- Biodegradation of untreated cellulose fibers -- Inhibition of cellulose biodegradation by chemical modification -- Sol-gel finishes for passive antibacterial activity -- Conclusion.
Sommario/riassunto	In this book, the results of the chemical modification of cellulose fibres were presented, aimed at protecting the textile material against biodegradation. Namely, cellulose fibres are highly susceptible to microbial attack, resulting in worsened technological and applicable properties of textile products. This is a particularly crucial problem for textiles that are in use. The rate and degree of cellulose biodegradation is affected by several factors, among which the most important are the genera of microorganisms and the environmental conditions needed for microbial growth.