

1. Record Nr.	UNINA9910583499203321
Titolo	Biopolymer grafting : synthesis and properties // edited by Vijay Kumar Thakur
Pubbl/distr/stampa	Oxford, England ; ; Cambridge, Massachusetts : , : Elsevier, , 2018 ©2018
ISBN	0-12-810461-9 0-323-48104-3
Descrizione fisica	1 online resource (596 pages) : illustrations (some color), tables
Collana	Advances in Polymers and Fibers
Disciplina	572.33
Soggetti	Biopolymers Biopolymers - Biotechnology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Note continued: ; 2.7. Gums Graft Copolymerization -- ; 3. Applications of Some Polysaccharides in Different Industry -- ; 3.1. Introduction -- ; 3.2. The Pharmaceutical Application of Natural Polysaccharide -- ; 4. Application of Natural Polysaccharide in Textile Industry -- ; 4.1. Application of Starch as Warp Sizing -- ; 4.2. Application of Starch as Finishing -- ; 4.3. Application of Starch as Textile Printing -- ; 5. Application of Natural Polysaccharide as Flocculants -- ; 5.1. Nonionic Flocculants -- ; 5.2. Cationic Flocculants -- ; 5.3. Anionic Flocculants -- ; 6. Application of Natural Polysaccharide as Dye Removal -- ; 7. Application of Natural Polysaccharide as Superabsorbent -- References -- ; ch. 12 Grafted Nanocellulose as an Advanced Smart Biopolymer / Nurhidayatullaili M. Julkapli -- ; 1. Nanocellulose Biopolymer -- ; 1.1. Nanocellulose Biopolymer: Properties -- ; 2. Nanocellulose: Chemical Grafting -- ; 2.1. Organic Compounds Grafting -- ; 3. Future Applications and Perspective of Grafted Nanocellulose -- ; 3.1. Wastewater Treatment -- ; 3.2. Biomedical Applications -- ; 3.3. Biosensor and Bio-imaging -- ; 3.4. Catalysis -- ; 4. Conclusion.

