547.782GRA

CONTENTS

Pre	face	1X
(GRAFT COPOLYMERIZATION OF CELLULOSE AND CELLULOSE DERIVATIV	'ES
1.	Some Challenges in Grafting to Cellulose and Cellulose Derivatives	3
2.	Free-Radical Initiated Graft Polymerization of Vinyl Monomers onto cellulose	21
3.	Graft Copolymerization of Vinyl Monomers onto Cellulosic Fibers	33
4.	The Ceric Ion Method of Grafting Acrylic Acid to Cellulose	45
5.	Grafting of Rayon Fabrics in Cold Plasma Conditions	57
6.	Grafting of Methyl Methacrylate onto KPM Rayon and Jute	
	Fiber: Effect on the Properties of Grafted Fibers	73
7.	Photochemical Grafting on Wood Cellulose	83
8.	Photoinduced Grafting Reactions in Cellulose and Cellulose	
	Derivatives	101
9.	Photoinduced Graft Copolymerization of Cellulose Derivatives	119
10.	Acid Effect in UV- and Radiation-Induced Grating of	
	Styrene to Cellulose	141
11.	Graft Copolymer of Cellulose Nitrate	155
12.	Computer Simulations of Grafting Reactions of Styrene onto	
	Pre-irradiated Cellulose Acetate	179
GR	AFT COPOLYMERIZATION OF STARCH AND BAMBOO	
13.	Cross-linking in Saponified Starch-g-Polyacrylonitrile	195
14.	Grafting Reaction of Dextran onto Polymer Surface	217
15.	Graft Copolymerization of Acrylonitrile onto Bamboo Using	
	IR Spectroscopic Technique as a Probe	233
	GRAFT COPOLYMERIZATION OF LIGNOCELLULOSIC FIBERS	
16.	Grafting of Some Vinyl Monomers onto Lignocellulose and	
	Cellulose in the Presence of Lignin	253
17.	The Xanthate Method of Grafting. Part IX. Grafting of	
	Acrylonitrile onto High-Yield Hardwood Pulp	269

18.	Graft Copolymerization of Lignosulfonate with Methacrylic Acid	
	and Acrylate Monomers	285
19.	Chemical Modification of Wood with Thioacetic Acid	303
20.	Thermoplasticization of Cellulose and Wood by Graft	
	Copolymerization and Acylation	321
21.	UV Degradation and Accelerated Weathering of Chemically	
	Modified Wood	349
Ind	ex	