615.19 POL

CONTENTS

1.	Polymer Delivery Systems Concepts	1	
2.	Polymeric Drug Delivery Systems: An Overview	18	
3.	Controlled Release in the Food and Cosmetics Industries	42	
4.	Biodegradable Polyesters for Drug and Polypeptide Delivery	53	
5.	Plasticized Cellulose Acetate Latex as a Coating for Controlled Release: Thermal and		
	Mechanical Properties	80	
6.	Spray Coating and Spray Drying Encapsulation: Role of Glass Transition Temperature and		
	Latex Polymer Composition	84	
7.	Modeling Swelling Behavior of Cellulose Ether Hydrogels	105	
8.	Diffusional Delivery of Oligonucleotides and Proteins from Gel-in-Matrix Devices	135	
9.	Centrifugal Suspension-Separation: Coating of Particles and Droplets	145	
10.	Design of Biodegradable Polymer Systems for Controlled Release of Bioactive Agents	154	
11.	Microcapsules Containing Water-Soluble Cyclodextrin Inclusion Complexes of Water-		
	Insoluble Drugs	168	
12.	Polymeric Microspheres for Controlled-Release Herbicide Formulations	190	
13.	Encapsulated Systems for Controlled Release and Pest Management	202	
14.	Controlled Release of Herbicide from an Unmodified Starch Matrix	213	
15.	Transport Studies of Oil-Soluble Polymers	220	
16.	Temperature-Compensating Films for Modified Atmosphere Packaging of Fresh Produce	232	
17.	Side-Chain Crystalolizable Polymers for Temperature-Activated Controlled Release	244	
18.	Transdermal Films of Diclophenac Sodium	257	
19.	Hydronium Ion Diffusion into Microcapsules and Its Effect on the pH of Encapsulated		
	Aqueous Solutions: theoretical Analysis	265	
20.	Drug Release from Triblock Copolymers of Poly(hydroxyalkyl L-glutamine)-Poly		
	(ethylene oxide) Poly(hydroxyalkyl L-glutamine)	274	
21.	Release of a Calcium Channel Antagonist from Radiation-Copolymerized Acrylic Beads	288	
22.	Degradable Polyphosphazene Derivatives: Synthesis and Evaluation	297	
23.	Mechanisms Governing Drug Release from Poly-a-Hydroxy Aliphatic Esters: Diltiazem		
	Base Release from Poly-Lactide-co-Glycolide Delivery Systems	311	
24.	Synergistically Interacting Heterodisperse Polysaccharides: Function in Achieving		
	Controllable Drug Delivery	327	
25.	Drug Delivery System Using Biodegradable Carrier	351	
26.	Blood Clearance and Body Distributions of Glycosylated Dextrans in Rats	362	
27.	Evaluation of Poly(dl-lactide) Encapsulated Radiopaque Microcapsules	371	
28.	Design of Poly(α-malic acid) Antitumor Drug-Saccharide Conjugate Exhibiting Cell-		

Specific Antitumor Activity	382
Author Index	397
Affiliation Index	398
Subject Index	398