

1. Record Nr.	UNINA9910830719203321
Titolo	Modern polyesters [[electronic resource] ] : chemistry and technology of polyesters and copolyesters // edited by John Scheirs and Timothy E. Long
Pubbl/distr/stampa	Hoboken, NJ, : John Wiley & Sons, c2003
ISBN	1-280-23893-3 9786610238934 0-470-09067-7 0-470-09068-5
Descrizione fisica	1 online resource (786 p.)
Collana	Wiley series in polymer science
Altri autori (Persone)	ScheirsJohn LongTimothy E. <1969->
Disciplina	668.4225
Soggetti	Polyesters
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	Modern Polyesters: Chemistry and Technology of Polyesters and Copolyesters; Contents; Contributors; Series Preface; Preface; About the Editors; I HISTORICAL OVERVIEW; 1 The Historical Development of Polyesters; 1 Introduction; 2 Alkyd and Related Resins; 3 Fibres from Partially Aromatic Polyesters; 3.1 Early Work Leading to Poly(ethylene Terephthalate); 3.2 Spread of Polyester Fibre Production; 3.3 Intermediates; 3.4 Continuous Polymerisation; 3.5 Solid-phase Polymerisation; 3.6 End-use Development; 3.7 High-speed Spinning; 3.8 Ultra-fine Fibres; 4 Other Uses for Semi-aromatic Polyesters 4.1 Films4.2 Moulding Products; 4.3 Bottles; 5 Liquid-crystalline Polyesters; 6 Polyesters as Components of Elastomers; 7 Surface-active Agents; 8 Absorbable Fibres; 9 Polycarbonates; 10 Natural Polyesters; 10.1 Occurrence; 10.2 Poly(b-hydroxyalkanoate)s; 11 Conclusion; References; II POLYMERIZATION AND POLYCONDENSATION; 2 Poly (ethylene Terephthalate) Polymerization - Mechanism, Catalysis, Kinetics, Mass Transfer and Reactor Design; Notation; 1 Introduction; 2 Chemistry, Reaction Mechanisms, Kinetics and Catalysis; 2.1 Esterification/Hydrolysis; 2.2 Transesterification/Glycolysis

2.3 Reactions with Co-monomers  
2.4 Formation of Short Chain Oligomers;  
2.5 Formation of Diethylene Glycol and Dioxane;  
2.6 Thermal Degradation of Diester Groups and Formation of Acetaldehyde;  
2.7 Yellowing;  
2.8 Chemical Recycling;  
2.9 Conclusions;  
3 Phase Equilibria, Molecular Diffusion and Mass Transfer;  
3.1 Phase Equilibria;  
3.2 Diffusion and Mass Transfer in Melt-phase Polycondensation;  
3.2.1 Mass-transfer Models;  
3.2.2 Diffusion Models;  
3.2.3 Specific Surface Area;  
3.3 Diffusion and Mass Transfer in Solid-state Polycondensation;  
3.4 Conclusions  
4 Polycondensation Processes and Polycondensation Plants  
4.1 Batch Processes;  
4.1.1 Esterification;  
4.1.2 Polycondensation;  
4.2 Continuous Processes;  
5 Reactor Design for Continuous Melt-phase Polycondensation;  
5.1 Esterification Reactors;  
5.2 Polycondensation Reactors for Low Melt Viscosity;  
5.3 Polycondensation Reactors for High Melt Viscosity;  
6 Future Developments and Scientific Requirements;  
Acknowledgements;  
References;  
3 Synthesis and Polymerization of Cyclic Polyester Oligomers;  
1 Introduction;  
2 History;  
3 Preparation of Polyester Cyclic Oligomers from Acid Chlorides  
4 Polyester Cyclic Oligomers via Ring-Chain Equilibration (Depolymerization)  
5 Mechanism for Formation of Cyclics via Depolymerization;  
6 Polymerization of Oligomeric Ester Cyclics;  
7 Conclusions;  
References;  
4 Continuous Solid-state Polycondensation of Polyesters;  
1 Introduction;  
2 The Chemical Reactions of PET in the Solid State;  
2.1 Basic Chemistry;  
2.2 Mechanism and Kinetics;  
2.3 Parameters Affecting SSP;  
2.3.1 Temperature;  
2.3.2 Time;  
2.3.3 Particle Size;  
2.3.4 End Group Concentration;  
2.3.5 Crystallinity;  
2.3.6 Gas Type;  
2.3.7 Gas Purity;  
2.3.8 Catalyst;  
2.3.9 Molecular Weight  
3 Crystallization of PET

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### Sommario/riassunto

Provides an overview of the family of polyester polymers which comprise an important group of plastics that span the range of commodity polymers to engineering resins. It describes the preparation, properties and applications of polyesters. Readers will also find details on polyester-based elastomers, biodegradable aliphatic polyester, liquid crystal polyesters and unsaturated polyesters for glass-reinforced composites. Presents an overview of the most recent developments. Explores synthesis, catalysts, processes, properties and applications. Looks at emerging polyester materials

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2. Record Nr.	UNINA9910958451403321
Autore	Lievens Tomas
Titolo	Diversity in career preferences of future health workers in Rwanda : : where, why, and for how much? // Tomas Lievens ... [and others]
Pubbl/distr/stampa	Washington, D.C. : , : World Bank, , 2010
ISBN	9780821383407 082138340X
Edizione	[1st ed.]
Descrizione fisica	ix, 41 pages : illustrations ; ; 26 cm
Collana	World Bank working paper, , 1726-5878 ; ; no. 189
Altri autori (Persone)	SerneelsPieter M ButeraJ. Damascene
Disciplina	362.10967571
Soggetti	Occupational health services Occupational health services - Health and hygiene - Rwanda Medical personnel - Rwanda Motivation Health Personnel Career Choice Evaluation Study Statistics. Rwanda
Lingua di pubblicazione	Inglese
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Nota di bibliografia	Includes bibliographical references (p. 39).
Nota di contenuto	Cover; Title; Copyright; Contents; Foreword; Acknowledgments; Acronyms and Abbreviations; Executive Summary; CHAPTER 1 Study Rationale; CHAPTER 2 Survey Method and Sample Description; CHAPTER 3 The Decision to Become a Health Worker; CHAPTER 4 Long-term Career Preferences and Income Expectations; CHAPTER 5 Choosing between Urban and Rural Posting; CHAPTER 6 International Migration; CHAPTER 7 HIV and AIDS; CHAPTER 8 Exploring the Role of Altruism as Intrinsic Motivation; References; Appendixes; Back Cover
Sommario/riassunto	Human resources for health are a priority to improve health outcomes in Africa. In order to strengthen policies based on evidence, a better understanding is needed of health worker choice and behaviour. This book tries to help fill that gap. Relying on unique survey data, it

analyses the career preferences of future health workers in Rwanda, focusing on their sector preference, their willingness to work in a rural area, likelihood to migrate abroad, and readiness to work in a high HIV prevalence environment. The findings show that health workers are not as uniform as is often thought, and can

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