

1. Record Nr.	UNINA9910784876303321
Titolo	Monomers, polymers and composites from renewable resources [[electronic resource] /] / edited by Mohamed Naceur Belgacem, Alessandro Gandini
Pubbl/distr/stampa	Amsterdam, : Elsevier, 2008
ISBN	1-281-30890-0 9786611308902 0-08-056051-2
Edizione	[1st ed.]
Descrizione fisica	1 online resource (562 p.)
Altri autori (Persone)	BelgacemMohamed Naceur GandiniAlessandro
Disciplina	660.6
Soggetti	Biomass chemicals Macromolecules - Synthesis Biomolecules Chemical industry - Environmental aspects Organic compounds - Synthesis
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	Front Cover; Monomers, Polymers and Composites from Renewable Resources; Copyright Page; Contents; Foreword; List of Contributors; Chapter 1 The State of the Art; ABSTRACT; 1.1 THE CONTEXT; 1.2 VEGETABLE RESOURCES; 1.3 ANIMAL RESOURCES; 1.4 BACTERIAL POLYMERS; 1.5 CONCLUSIONS; REFERENCES; Chapter 2 Terpenes: Major Sources, Properties and Applications; ABSTRACT; 2.1 INTRODUCTION; 2.2 TURPENTINE; 2.3 TURPENTINE APPLICATIONS; 2.4 POLYMERS FROM TERPENES; 2.5 POLYTERPENE APPLICATIONS; 2.6 CONCLUDING REMARKS; REFERENCES Chapter 3 Materials from Vegetable Oils: Major Sources, Properties and ApplicationsABSTRACT; 3.1 INTRODUCTION; 3.2 PROPERTIES OF VEGETABLE OILS AND FATTY ACIDS; 3.3 ISOLATION OF VEGETABLE OILS; 3.4 POLYMERS FROM VEGETABLE OILS; 3.5 CONCLUSIONS; REFERENCES; Chapter 4 Rosin: Major Sources, Properties and Applications; ABSTRACT; 4.1 INTRODUCTION; 4.2 ROSIN CHEMICAL

COMPOSITION; 4.3 RESIN ACIDS CHEMICAL REACTIVITY; 4.4 MAJOR APPLICATIONS OF ROSIN AND DERIVATIVES; 4.5 CONCLUDING REMARKS; REFERENCES; Chapter 5 Sugars as Monomers; ABSTRACT; 5.1 INTRODUCTION; 5.2 ALDITOLS
 5.3 ALDONIC ACIDS AND LACTONES 5.4 ALDARIC ACIDS; 5.5 AMINOSUGARS; 5.6 MISCELLANEOUS; REFERENCES; Chapter 6 Furan Derivatives and Furan Chemistry at the Service of Macromolecular Materials; ABSTRACT; 6.1 INTRODUCTION; 6.2 THE FURAN HETEROCYCLE AND SOME OF ITS CHEMICAL FEATURES; 6.3 FURFURAL AND HYDROXYMETHYLFURFURAL; 6.4 FURAN MONOMERS; 6.5 POLYMERS FROM CHAIN REACTIONS; 6.6 POLYMERS FROM STEP-GROWTH REACTIONS; 6.7 CONJUGATED OLIGOMERS AND POLYMERS; 6.8 THE APPLICATION OF THE DA REACTION TO FURAN POLYMERS; 6.9 MISCELLANEOUS DENDRIMERS; 6.10 THE AGING OF FURAN POLYMERS; 6.11 CONCLUSIONS
 REFERENCES Chapter 7 Surfactants from Renewable Sources: Synthesis and Applications; ABSTRACT; 7.1 INTRODUCTION; 7.2 CARBOHYDRATE-BASED SURFACTANTS; 7.3 SURFACTANTS BASED ON RRM's ENTIRELY FROM OLEOCHEMISTRY: POLYGLYCEROL ESTERS; 7.4 NOVEL BIODEGRADABLE PLANT-DERIVED CATIONIC EMULSIFIERS FOR ROAD CONSTRUCTION AND COSMETICS; 7.5 GEMINI SURFACTANTS AND BOLAAMPHIPHILES; 7.6 CONCLUSIONS AND PERSPECTIVES; REFERENCES; Chapter 8 Tannins: Major Sources, Properties and Applications; ABSTRACT; 8.1 HISTORY OF TANNINS EXTRACTION; 8.2 MAJOR SOURCES; 8.3 USES; 8.4 TANNIN STRUCTURE; 8.5 ANALYSIS 8.6 A FEW CONSIDERATIONS ON LEATHER MANUFACTURE 8.7 TANNIN-BASED ADHESIVES; 8.8 TECHNOLOGY OF INDUSTRIAL TANNIN ADHESIVES; 8.9 NEW CONCEPTS AND PRINCIPLES; 8.10 CEMENT SUPERPLASTICIZERS; 8.11 MEDICAL/PHARMACEUTICAL APPLICATIONS; REFERENCES; Chapter 9 Lignins: Major Sources, Structure and Properties; ABSTRACT; 9.1 INTRODUCTION; 9.2 NOMENCLATURE OF LIGNIN; 9.3 BIOSYNTHESIS OF MONOLIGNOLS AND THE FORMATION OF LIGNIN; 9.4 MAJOR SOURCES OF LIGNIN; 9.5 THE STRUCTURE OF LIGNIN; 9.6 TECHNICAL LIGNINS; REFERENCES; Chapter 10 Industrial Commercial Lignins: Sources, Properties and Applications; ABSTRACT 10.1 INTRODUCTION

Sommario/riassunto

The progressive dwindling of fossil resources, coupled with the drastic increase in oil prices, have sparked a feverish activity in search of alternatives based on renewable resources for the production of energy. Given the predominance of petroleum- and carbon-based chemistry for the manufacture of organic chemical commodities, a similar preoccupation has recently generated numerous initiatives aimed at replacing these fossil sources with renewable counterparts. In particular, major efforts are being conducted in the field of polymer science and technology to prepare macromolecular materi

2. Record Nr.	UNINA9910781619903321
Titolo	The American West in 2000 [[electronic resource]] : essays in honor of Gerald D. Nash // edited by Richard W. Etulain and Ferenc Morton Szasz
Pubbl/distr/stampa	Albuquerque, : University of New Mexico Press, c2003
ISBN	1-283-63517-8 0-8263-2945-4
Edizione	[1st ed.]
Descrizione fisica	1 online resource (218 p.)
Altri autori (Persone)	NashGerald D EtulainRichard W SzaszFerenc Morton <1940-2010.>
Disciplina	978/.033
Soggetti	West (U.S.) Civilization 20th century West (U.S.) History 1945-
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"Published in cooperation with the Center for the Southwest, University of New Mexico."
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Preface / Richard W. Etulain -- Introduction / Ferenc M. Szasz -- Autobiography : roads to the West / Gerald D. Nash -- The cultural renaissance in Native American and Celtic worlds, 1940-2000 / Margaret Connell-Szasz -- Will the circle be unbroken? : tourism and the National Park System in the twenty-first-century West / Arthur R. Gomez -- The bureau of reclamation and the West, 1945-2000 / Donald J. Pisani -- Activist women in the West and their fight for political equity, 1960-2000 / Marjorie Bell Chambers -- The cultural life of Boise, Idaho, 1950-2000 / Carol Lynn Macgregor -- Squeezing out the profits : mining and the environment in the U.S. West, 1945-2000 / Christopher J. Huggard -- Organized religion and the search for community in the modern American West / Ferenc M. Szasz -- Angels and apples : the late-twentieth-century Western city, urban sprawl, and the illusion of urban exceptionalism / Roger W. Lotchin -- The American West, the world, and the twenty-first-century / Gene M. Gressley -- Gerald D. Nash and the twentieth-century American West / Richard W. Etulain.

