

1. Record Nr.	UNINA9910145047703321
Titolo	Signalling networks in cell shape and motility [[e-book]]
Pubbl/distr/stampa	Chichester, UK ; ; Hoboken, NJ, : Wiley, 2005
ISBN	1-280-24175-6 9786610241750 0-470-01766-X 0-470-01765-1
Descrizione fisica	1 online resource (251 p.)
Collana	Novartis Foundation symposium ; ; 269
Altri autori (Persone)	BockGregory GoodeJamie
Disciplina	571.6/33 571.633
Soggetti	Cells - Motility Cells - Morphology Cellular signal transduction Cytoskeletal proteins Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Editors: Gregory Bock (organizer) and Jamie Goode. "Novartis Foundation Symposium on Signalling Networks in Cell Shape and Motility held in collaboration with the Institute of Molecular and Cell Biology, Singapore, in Singapore on Aug. 30th-1st Sept. 2004"-- Contents p.
Nota di bibliografia	Includes bibliographical references and indexes.
Nota di contenuto	SIGNALLING NETWORKS IN CELL SHAPE AND MOTILITY; Contents; Participants; Chair's introduction; From N-WASP to WAVE: key molecules for regulation of cortical actin organization; Discussion; A conserved role for myosin VII in adhesion; Discussion; General discussion I; Cytoskeletal networks and pathways involved in endocytosis; Discussion; Control of cell polarity in response to intra- and extracellular signals in budding yeast; Discussion; Regulation of actin assembly by microtubules in fission yeast cell polarity; Discussion Finding the way: directional sensing and cell polarization through Ras signallingDiscussion; Roles of IQGAP1 in cell polarization and

migration; Discussion; Regulation of microtubules by Rho GTPases in migrating cells; Discussion; Actin organization in the early Drosophila embryo; Discussion; Epithelial cell shape and Rho small GTPases; Discussion; Interaction of cadherin with the actin cytoskeleton; Discussion; Integrin-syndecan co-operation governs the assembly of signalling complexes during cell spreading; Discussion; Formation of multicellular epithelial structures; Discussion
Rho GTPase-formin pairs in cytoskeletal remodelling Discussion; Final discussion; Index of contributors; Subject index

Sommario/riassunto

This book features contributions from experts in cell biology, genetics, neurobiology, immunology and structural biology. The unifying element is that they all study processes of cell shape change and motility. Several key questions in this field of research are discussed: What are the organising principles behind cell shape change? Are there 'master switches' present in every cell type? How are extracellular signals interpreted by the cell in order to activate intracellular mechanisms? What is the influence of the extracellular matrix on cell movement and inter

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Titolo

Advances in Polyhydroxyalkanoate (PHA) production // edited by Martin Koller

Pubbl/distr/stampa

Basel, Switzerland : , : MDPI, , 2017

ISBN

3-03842-636-9

Descrizione fisica

1 online resource (258 pages)

Disciplina

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Soggetti

Biodegradable plastics
Poly-beta-hydroxyalkanoates

Lingua di pubblicazione

Inglese

Formato

Materiale a stampa

Livello bibliografico

Monografia

Nota di contenuto

About the Special Issue Editor -- Preface to "Advances in Polyhydroxyalkanoate (PHA) Production" -- Martin Koller
Advances in Polyhydroxyalkanoate (PHA) Production Reprinted from: Bioengineering

2017, 4(4), 88; doi: 10.3390/bioengineering4040088 -- Constantina Kourmentza, Jersson Placido, Nikolaos Venetsaneas, Anna Burniol-Figols, Cristiano Varrone, Hariklia N. Gavala and Maria A. M. Reis Recent Advances and Challenges towards Sustainable Polyhydroxyalkanoate (PHA) Production -- Reprinted from: Bioengineering 2017, 4(2), 55; doi: 10.3390/bioengineering4020055 -- Rodrigo Yoji Uwamori Takahashi, Nathalia Aparecida Santos Castilho, Marcus Adonai Castro da Silva, Maria Cecilia Miotto and Andre Oliveira de Souza Lima Prospecting for Marine Bacteria for Polyhydroxyalkanoate Production on Low-Cost Substrates Reprinted from: Bioengineering 2017, 4(3), 60; doi: 10.3390/bioengineering4030060 -- Sourish Bhattacharya, Sonam Dubey, Priyanka Singh, Anupama Shrivastava and Sandhya Mishra Biodegradable Polymeric Substances Produced by a Marine Bacterium from a Surplus Stream of the Biodiesel Industry Reprinted from: Bioengineering 2016, 3(4), 34; doi: 10.3390/bioengineering3040034 -- Bhakti B. Salgaonkar and Judith M. Braganca, a Utilization of Sugarcane Bagasse by Halogeometricum borinquense Strain E3 for Biosynthesis of Poly(3-hydroxybutyrate-co-3-hydroxyvalerate) Reprinted from: Bioengineering 2017, 4(2), 50; doi: 10.3390/bioengineering4020050 -- Dan Kucera, Pavla Benesova, Peter Ladicky, Miloslav Pekar, Petr Sedlacek and Stanislav Obruca Production of Polyhydroxyalkanoates Using Hydrolyzates of Spruce Sawdust: Comparison of Hydrolyzates Detoxification by Application of Overliming, Active Carbon, and Lignite Reprinted from: Bioengineering 2017, 4(2), 53; doi: 10.3390/bioengineering4020053 -- Ayaka Hokamura, Yuko Yunoue, Saki Goto and Hiromi Matsusaki Biosynthesis of Polyhydroxyalkanoate from Steamed Soybean Wastewater by a Recombinant Strain of Pseudomonas sp. 61-3 Reprinted from: Bioengineering 2017, 4(3), 68; doi: 10.3390/bioengineering4030068 -- Brian Johnston, Guozhan Jiang, David Hill, Grazyna Adamus, Iwona Kwiecien, Magdalena Zieba, Wanda Sikorska, Matthew Green, Marek Kowalczyk and Iza Radecka The Molecular Level Characterization of Biodegradable Polymers Originated from Polyethylene Using Non-Oxygenated Polyethylene Wax as a Carbon Source for Polyhydroxyalkanoate Production Reprinted from: Bioengineering 2017, 4(3), 73; doi: 10.3390/bioengineering4030073 -- Stephanie Karmann, Sven Panke and Manfred Zinn The Bistable Behaviour of Pseudomonas putida KT2440 during PHA Depolymerization under Carbon Limitation Reprinted from: Bioengineering 2017, 4(2), 58; doi: 10.3390/bioengineering4020058 -- Liliana Montano-Herrera, Bronwyn Laycock, Alan Werker and Steven Pratt The Evolution of Polymer Composition during PHA Accumulation: The Significance of Reducing Equivalent Reprinted from: Bioengineering 2017, 4(1), 20; doi: 10.3390/bioengineering4010020 -- Eduarda Morgana da Silva Montenegro, Gabriela Scholante Delabary, Marcus Adonai Castro da Silva, Fernando Dini Andreote and Andre Oliveira de Souza Lima Molecular Diagnostic for Prospecting Polyhydroxyalkanoate-Producing Bacteria Reprinted from: Bioengineering 2017, 4(2), 52; doi: 10.3390/bioengineering4020052 -- Clemens Troschl, Katharina Meixner and Bernhard Drosch Cyanobacterial PHA Production-Review of Recent Advances and a Summary of Three Years' Working Experience Running a Pilot Plant Reprinted from: Bioengineering 2017, 4(2), 26; doi: 10.3390/bioengineering4020026 -- Timo Pittmann and Heidrun Steinmetz Polyhydroxyalkanoate Production on Waste Water Treatment Plants: Process Scheme, Operating Conditions and Potential Analysis for German and European Municipal Waste Water Treatment Plants Reprinted from: Bioengineering 2017, 4(2), 54; doi: 10.3390/bioengineering4020054 -- Miguel Miranda De Sousa Dias, Martin

Koller, Dario Puppi, Andrea Morelli, Federica Chiellini and Gerhart Braunegg Fed-Batch Synthesis of Poly(3-Hydroxybutyrate) and Poly(3-Hydroxybutyrate-co-4-Hydroxybutyrate) from Sucrose and 4-Hydroxybutyrate Precursors by *Burkholderia sacchari* Strain DSM 17165 Reprinted from: *Bioengineering* 2017, 4(2), 36; doi: 10.3390/bioengineering4020036 -- Dario Puppi, Andrea Morelli and Federica Chiellini Additive Manufacturing of Poly(3-hydroxybutyrate-co-3-hydroxyhexanoate)/poly(ϵ -caprolactone) Blend Scaffolds for Tissue Engineering Reprinted from: *Bioengineering* 2017, 4(2), 49; doi: 10.3390/bioengineering4020049.

Sommario/riassunto

Currently, we are witnessing highly dynamic research efforts related to the exciting field of novel biodegradable plastic-like materials. These activities originate from a growing public awareness of prevailing ecological problems associated to, e.g., rising piles of plastic waste, increasing greenhouse gas emissions, and ongoing depletion of such fossil resources usually used for the synthesis of "full carbon backbone" plastics. Polyhydroxyalkanoate (PHA) biopolyesters, a family of versatile plastic-like materials produced by living microbes, are a future-oriented alternative to traditional plastics. If accomplished in an optimized way, production and the entire lifecycle of PHA are embedded into nature's closed carbon cycle, which is underlined by PHA's main benefits of being "biobased", "biosynthesized", "biocompatible", and "biodegradable". Sustainable and economically feasible PHA synthesis, especially on an industrially relevant scale, requires all production steps to be understood and improved. Among other aspects, this calls for new powerful production strains to be screened; knowledge about the proteome and genome of PHA accumulating organisms to be consolidated; the kinetics of the bioprocesses to be thoroughly understood; abundantly available inexpensive raw materials to be tested; the monomer composition of PHA to be adapted; (bio)chemical engineering to be optimized; and novel PHA recovery strategies to be developed in order to reduce energy and chemical inventory. The present book provides a comprehensive compilation of articles addressing all these different aspects; the individual chapters were composed by globally recognized front running experts from special niches of PHA research. We are convinced that this book will be of major benefit to the growing scientific community active in biopolymer research.

3. Record Nr.	UNINA9910787100803321
Autore	Olson David Louis.
Titolo	Supply chain information technology // David L. Olson
Pubbl/distr/stampa	New York, New York (222 East 46th Street, New York, NY 10017) : , : Business Expert Press, , 2014
ISBN	1-78539-569-6 1-63157-056-0
Edizione	[Second edition.]
Descrizione fisica	1 online resource (138 p.)
Collana	Supply and operations management collection, , 2156-8200
Disciplina	658.7
Soggetti	Business logistics - Data processing
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Part of: 2014 digital library.
Nota di bibliografia	Includes bibliographical references (pages 119-121) and index.
Nota di contenuto	1. Supply chain information systems -- 2. Development of ERP and SCM -- 3. Supply chain management software option -- 4. Business process reengineering in supply chains -- 5. System selection -- 6. Supply chain software installation project management -- 7. Recapitulation -- Notes -- References -- Index.
Sommario/riassunto	The rapid growth in computer technology provides supply chain managers with valuable tools to better coordinate and control their operations. This book seeks to describe systems available to give supply chains information system support, demonstrating key tasks with demonstrated analytic techniques. This second edition is basically the same as the first edition, but with newer cases to demonstrate concepts. The target market for this book is practitioners in the supply chain management field, one of the fastest growing fields in our economy.