Microorganismes d'intérêt industriel

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related to this theme

Broader concept (1)

→ Microorganismes

Narrower concept (2)

→ Levains
→ Organismes producteurs d'antibiotiques

Related Terms (2)

→ Microbiologie industrielle
→ Microorganismes -- Biotechnologie

Documents on this topic

livres

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livres (11)

→ **Microbiologie industrielle**
  *les micro-organismes d'intérêt industriel*
  Note: Note : Notes bibliogr. Index
  Directeur de publication: Marielle Bouix, Jean-Yves Leveau
  Link: catalogue

→ **Abstract book**
  Strasbourg, Palais des congrès, 12-18 August 1990
  Auteur du texte: International symposium on genetics of industrial microorganisms (06 ; 1990 ; Strasbourg)
  Éditeur scientifique: Société française de microbiologie. Section de microbiologie industrielle et de biotechnologie
  Link: catalogue

→ **Brewing microbiology**
  current research, omics and microbial ecology
  Material description: 1 vol. (331 p.)
  Note: Note : Notes bibliogr. Index
  Abstract: This volume surveys the most recent discoveries in brewing microbiology, with an emphasis on omics techniques and other modern technologies. Discoveries in these areas have furthered our knowledge of brewing processes, with practical applications from barley growth and malting to yeast management, strain selection, fermentation control, and quality assurance. The chapters, written by experts in the field, aim not only to illuminate recent progress, but also to discuss its impact on brewing practices. Topics covered include the physiology, fermentation, taxonomy, diversity, typing, genetic manipulation, genomics and evolution of brewing yeasts. Further areas covered include the fungal contamination of barley and malt, spoilage by lactic acid bacteria and gram-negative bacteria, and beer-spoiling yeasts. This volume is highly recommended for anyone involved in the microbiology of brewing
  Edition: Norfolk, UK : Caister academic press
  Éditeur scientifique: Charles W. Bamforth, Nicholas A. Bokulich
  Link: catalogue

→ **Engineering complex phenotypes in industrial strains**
  Material description: 1 online resource
  Note: Note : Machine generated contents note: Foreword John Pierce PREFACE Ranjan Patnaik CHAPTER 1 Classical Strain Engineering Nathan Crook and Hal Alper CHAPTER 2 Tracer-based Analysis of Metabolic Flux Networks Michael Dauner CHAPTER 3 Integration of 'Oomics' Data with Genome-scale Metabolic Models Stephen Van Dien, Priti Pharkya, and Robin Osterhout CHAPTER 4 Strain Improvement via Evolutionary Engineering Byoungjin Kim, Jing Du, and Huimin Zhao CHAPTER 5 Rapid Fermentation Process Development and Optimization Jun Sun and Lawrence Chew CHAPTER 6 The Clavulanic Acid Strain Improvement Program at DSM Anti-Infectives Bert Koekman and Marcus Hans CHAPTER 7 Metabolic Engineering of recombinant E. coli for the Production of 3-Hydroxypropionate Tanya Warnecke Lipscomb, Matthew L. Lipscomb, and Michael D. Lynch CHAPTER 8 Complex System Engineering: A Case Study for an Unsequenced Microalga Michael Guarnieri, Yat-Chen Chou, Bryon S. Donohoe, Eric Knoshaug, Lieve Laurens and Phillip T. Pienkos CHAPTER 9 Meiotic Recombination-based genome shuffling of Saccharomyces cerevisiae and Scheffersomyces stipitis for increased inhibitor tolerance to lignocellulosic substrate toxicity Dominic Pinel and Vincent J.J. Martin Includes bibliographical references and index
  Print version record and CIP data provided by publisher.
  Abstract: "This book details the current and future tools used in the production of bulk chemicals and biofuels developed from renewable biomass using green technologies. It describes in depth the technology used to unravel the complexity of microbial metabolism in order to produce engineering strains at time scales much faster than would occur naturally. It also highlights the advantages and drawbacks of all methods and tools used in multiple disciplines for genome engineering of complex phenotypes. Case-study examples on applying the tools reinforce the fundamental concepts. A must for research and development biochemists and engineers"
  Link: catalogue