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| 1. Record Nr. | UNISALENTO991002476209707536 |
| Autore | Allegri, Elena |
| Titolo | Le rappresentazioni dell'assistente sociale : il lavoro sociale nel cinema e nella narrativa / Elena Allegri |
| Pubbl/distr/stampa | Roma : Carocci Faber, 2006 |
| ISBN | 9788874664795 |
| Descrizione fisica | 126 p. ; 22 cm. |
| Collana | Il servizio sociale ; 105 |
| Disciplina | 362 |
| Soggetti | Assistenza sociale nel cinematografo |
| Lingua di pubblicazione | Italiano |
| Formato | Materiale a stampa |
| Livello bibliografico | Monografia |
| Nota di bibliografia | Cont. riferimenti bibl. |

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| 2. Record Nr. | UNINA9910818247803321 |
| Titolo | Biofuels : from microbes to molecules / / Edited by Xuefeng Lu |
| Pubbl/distr/stampa | Norfolk, England : , : Caister Academic Press, , [2014] ©2014 |
| ISBN | 1-908230-63-0 |
| Descrizione fisica | 1 online resource (259 p.) |
| Disciplina | 333.9539 |
| Soggetti | Biomass conversion |
| Lingua di pubblicazione | Inglese |
| Formato | Materiale a stampa |
| Livello bibliografico | Monografia |
| Note generali | Includes index. |
| Nota di bibliografia | Includes bibliographical references and index. |
| Nota di contenuto | Contents; Current Books of Interest; Contributors; Preface; 1: Metabolic Engineering: Key for Improving Biological Hydrogen Production; 1.1 Introduction; 1.2 Metabolic engineering of bacterial systems for hydrogen production by dark fermentation; 1.3 Metabolic engineering of green algae, cyanobacteria, and bacteria for improving hydrogen production; 1.4 Future directions; 2: Biogas-producing Microbes and Biomolecules; 2.1 Introduction; 2.2 Biogas microbiology; 2.3 Biomethane; 2.4 Molecular methods for the study and control of biogas production; 2.5 Biogas from unconventional substrates 2.6 Future trends: algae2.7 Conclusions; 3: Engineering Recombinant Organisms for Next-generation Ethanol Production; 3.1 Introduction; 3.2 Overview of all microbial technologies for first- (1G) and second-generation (2G) ethanol production; 3.3 Xylose fermentation by <i>Saccharomyces cerevisiae</i> ; 3.4 Hardening of <i>S. cerevisiae</i> against inhibitors formed during lignocellulose pretreatment; 3.5 CBP application to soluble and insoluble (raw, uncooked) starch fermentation; 3.6 Conversion of cellulose to ethanol by <i>S. cerevisiae</i> in a CBP configuration 3.7 Mining microbial diversity for novel enzymes for CBP application to starch and lignocellulose, including genomic and metagenomic and/or transcriptomic libraries as sources of novel enzymes/activities3.8 Process configurations for integration of 1G and 2G processes; 3.9 Discussion and conclusions; 4: Production of Biobutanol, from ABE to Syngas Fermentation; 4.1 Butanol - commodity chemical and advanced |

biofuel; 4.2 Classic acetone-butanol-ethanol (ABE) fermentation with solventogenic clostridia; 4.3 Engineering of non-natural butanol producers and synthetic pathways
4.4 Future trends - butanol production from greenhouse gases CO₂ and/or CO₅: Higher Chain Alcohols from Non-fermentative Pathways; 5.1 Introduction; 5.2 Steps to production; 5.3 Fermentative alcohol production; 5.4 2-Keto acid-based alcohols; 5.5 Conclusion; 6: Isoprene-derived Biofuels from Engineered Microbes; 6.1 Classes of isoprenoid compounds; 6.2 Metabolic pathway and host engineering to optimize isoprenoid-precursors biosynthetic pathways; 6.3 Conversions of isoprenoid precursors to fuel compounds; 6.4 Future trends in isoprene-derived biofuels
7: Engineering Microbial Fatty Acid Biosynthetic Pathways to Make Advanced Biofuels 7.1 Introduction; 7.2 Current status of biodiesel production; 7.3 Motivation for engineering fatty acid metabolism; 7.4 Brief review of fatty acid metabolism; 7.5 Regulation of fatty acid synthesis and degradation; 7.6 Genetic engineering of bacteria to improve free fatty acid production; 7.7 Genetic engineering to improve fatty alcohol production; 7.8 Genetic engineering to improve fatty acid methyl/ethyl ester production; 7.9 Genetic engineering to improve fatty alkane/alkene production
7.10 Future perspectives

Sommario/riassunto

The increasing worldwide demand for energy, combined with diminishing fossil fuel reserves and concerns about climate change, have stimulated intense research into the development of renewable energy sources, in particular, microbial biofuels. For a biofuel to be commercially viable, the production processes, yield, and titer have to be optimized, which can be achieved through the use of microbial cell factories. Using multidisciplinary research approaches, and through the application of diverse biotechnologies (such as enzyme engineering, metabolic engineering, systems biology, and synthetic
