1. Record Nr. UNINA9910449769003321

Autore	Laffut An
Titolo	Three-participant constructions in English [[electronic resource]] : a functional-cognitive approach to caused relations / / An Laffut
Pubbl/distr/stampa	Amsterdam ; ; Philadelphia, : John Benjamins Pub., 2006
ISBN	1-282-15588-1 9786612155888 90-272-9358-9
Descrizione fisica	1 online resource (280 p.)
Collana	Studies in language companion series, , 0165-7763 ; ; v. 79
Disciplina	425
Soggetti	English language - Syntax English language - Locative constructions Grammar, Comparative and general - Locative constructions English language - Prepositions Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references and index.

2. Record Nr. UNINA9910847086903321

Titolo	Emerging Sustainable Technologies for Biofuel Production / / edited by Maulin Shah, Deepanwita Deka
Pubbl/distr/stampa	Cham : , : Springer Nature Switzerland : , : Imprint : Springer, , 2024
ISBN	3-031-52167-6
Edizione	[1st ed. 2024.]
Descrizione fisica	1 online resource (706 pages)
Collana	Environmental Science and Engineering, , 1863-5539
Disciplina	662.88
Soggetti	Renewable energy sources Bioengineering Sustainability Chemistry, Technical Renewable Energy Biological and Physical Engineering Industrial Chemistry
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	1. Introduction to Biofuel Production: A Step Towards Sustainable Energy -- 2. Generations of Biofuels -- 3. Sustainable technologies for biofuel production -- 4. Sustainable technologies for biofuel production -- 5. EMERGING SUSTAINABLE TECHNOLOGIES FOR BIOFUEL PRODUCTION -- 6. Innovative Approaches for Sustainable Biodiesel Production and Integration in Circular Economy -- 7. Plant based biofuels -- 8. Plant Based Biofuels: Sustainable solution to fuel industry -- 9. Plant-based biofuels -- 10. Plant based Biofuels: A Sustainable Solution for Energy Production -- 11. Microbe induced enhanced biofuel production -- 12. Microbes-induced enhanced biofuel production -- 13. Fungal endophytes as alternate source for enhancement of biofuel production -- 14. Recent Advancements in Microalgae-based Biofuel Production -- 15. Fatty acid composition of inedible seeds as a source of bioenergy -- 16. Molecular mechanisms behind the plant/microbe induced biofuel production: Systems Biology approach -- 17. Physiological mechanisms behind the microbe-induced biofuel production -- 18. Role of bioactive metabolites

produced by plants and microbes in fuel production -- 19. Sustainability assessment of liquid biofuel production technologies by life cycle assessment- Challenges and future prospects -- 20. Microbial Engineering to Design Fuel Production -- 21. Microbial Fuel Cells for bioelectricity generation and wastewater treatment- A review -- 22. Microbial Engineering in Biofuel Production – A global outlook, advances, and roadmap -- 23. Evolution, Challenges and Benefits of Biofuel production and its potential role in meeting Global energy demands -- 24. Global status of microbial engineering for biofuel production – advances, challenges and roadmap -- 25. Advances and Future Prospective of Plant Based Biofuels -- 26. Advances, applications, challenges and futureprospects of recent technologies in biofuel production.

Sommario/riassunto

This book is presented on biofuel production which includes different technologies developed and adopted to synthesize green renewable fuel alternatives for sustainable development. It also reflects different sources of biofuel, application of microbial community and microbial engineering to design fuel production and the biosynthetic pathways of biofuel production by microbes. Although the expenses for the physical and chemical technologies for energy production and fossil fuel utilization to protect our environment are very high, these technologies are not eco-friendly and safe. Hence, the need of certain modern eco-friendly and cost-effective techniques to protect our environment is deeply apprehended by different workers of this field. These techniques involve some feasible technologies utilizing different biological agents like microbes to produce renewable energy. This book provides an outline of the science behind the multidisciplinary aspects of biofuel production. It summarizes a solid foundation in the fundamentals and progresses to practical applications in this field. It structures stepwise route for a number of effective techniques to screen, select, identify and utilize microbes for biofuel production and utilization. It also focuses on the theoretical groundworks of biofuel production, recent technologies related to microbial engineering like myco-engineering technologies, microbial metabolism or modelling approaches to microbial physiology utilized for the same purpose. The techniques covered in this book ensure that scientists have the knowledge to practice effective biofuel production techniques themselves in a contaminated ecosystem in a sustainable way. Recent progress in the field of biofuels using microbial genetic engineering has larger perspectives in commercial-scale production. However, its large-scale production is still challenging; hence, to resolve this problem, it is essential to convert biomass into biofuels by developing novel technology to increase biofuel production to fulfil the current and future energy demand.