1. Record Nr. UNINA9910555188503321

Titolo	Biodiesel technology and applications / / edited by Inamuddin [and three others]
Pubbl/distr/stampa	Hoboken, NJ : , : John Wiley & Sons, Inc., , [2021] ©2021
ISBN	1-5231-4323-1 1-119-72496-1 1-119-72493-7 1-119-72495-3
Descrizione fisica	1 online resource (458 pages)
Disciplina	665.37
Soggetti	Biodiesel fuels Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Intro -- Table of Contents -- Title page -- Copyright -- Preface -- 1 Biocatalytic Processes for Biodiesel Production -- 1.1 Introduction and Background -- 1.2 Importance of Biodiesel Over Conventional Diesel Fuel -- 1.3 Substrates for Biodiesel Production -- 1.4 Methods in Biodiesel Production -- 1.5 Types of Catalysts Involved in Biodiesel Production -- 1.6 Factors Affecting Enzymatic Transesterification Reaction -- 1.7 Lipases as Biocatalysts for Biodiesel Production -- 1.8 Comparative Analysis of Intracellular and Extracellular Lipases for Biodiesel Production -- 1.9 Recombinant Lipases for Cost-Effective Biodiesel Production -- 1.10 Immobilization of Lipases for Better Biodiesel Production -- 1.11 Recent Strategies to Improve Biodiesel Production -- 1.12 Lipase Catalyzed Reaction Modeling and Statistical Approaches for Reaction Optimization -- 1.13 Conclusion and Summary -- References -- 2 Application of Low-Frequency Ultrasound for Intensified Biodiesel Production Process -- 2.1 Current Fossil Fuel Scenario -- 2.2 Biodiesel -- 2.3 Transesterification -- 2.4 Challenges for Improved Biodiesel Production -- 2.5 Homogeneous Catalyst for Biodiesel Production -- 2.6 Heterogeneous Catalyst for Biodiesel

Production -- 2.7 Immiscibility of the Reactants -- 2.8 Ultrasound-Assisted Biodiesel Production Process -- 2.9 Conclusions -- Acknowledgement -- References -- 3 Application of Catalysts in Biodiesel Production -- 3.1 Introduction -- 3.2 Homogeneous Catalysis for the Biodiesel Production -- 3.3 Heterogeneous Catalyst -- 3.4 Biocatalysts -- 3.5 Conclusion -- References -- 4 Hydrogenolysis as a Means of Valorization of Biodiesel-Derived Glycerol: A Review -- 4.1 Introduction -- 4.2 Ways of Valorization of Biodiesel-Derived Glycerol -- 4.3 Hydrogenolysis of Glycerol -- 4.4 Conclusion -- References. 5 Current Status, Synthesis, and Characterization of Biodiesel -- 5.1 Introduction -- 5.2 Status of Biodiesel in India -- 5.3 Biodiesel Production in India -- 5.4 Properties of Biodiesel -- 5.5 Analytical Methods -- 5.6 Conclusion -- References -- 6 Commercial Technologies for Biodiesel Production -- Abbreviation -- 6.1 Introduction -- 6.2 Biodiesel Production -- 6.3 Technologies Used for Biodiesel Production -- 6.4 Other Technologies in Use for Biodiesel Production -- 6.5 Feedstock Requirement -- 6.6 Some Problems Facing Commercialization of Biodiesel in Africa -- 6.7 Case Studies/Current Status and Future Potential -- 6.8 Conclusions -- Acknowledgments -- References -- 7 A Global Scenario of Sustainable Technologies and Progress in a Biodiesel Production -- 7.1 Introduction -- 7.2 Current Status of Feedstock for Biodiesel Production Technology -- 7.3 Scenario of Biodiesel in Combustion Engine -- 7.4 Biodiesel Production Technologies -- 7.5 Microwave-Mediated Transesterification -- 7.6 Ultrasound-Mediated Transesterification -- 7.7 Catalysis in Biodiesel Production -- 7.8 The Concept of Biorefinery -- 7.9 Summary and Outlook -- 7.10 Conclusion -- References -- 8 Biodiesel Production Technologies -- 8.1 Introduction -- 8.2 Biodiesel Feedstocks -- 8.3 Biodiesel Production Technologies -- 8.4 Intensification Techniques for Biodiesel Production -- 8.5 Other Techniques of Biodiesel Production -- References -- 9 Methods for Biodiesel Production -- 9.1 Selection of Feedstock for Biodiesel -- 9.2 Methods for Biodiesel Production -- References -- 10 Non-Edible Feedstock for Biodiesel Production -- List of Abbreviations -- 10.1 Introduction -- 10.2 Reports Relevant to Global Warming and Renewable Energy -- 10.3 Biofuels as an Alternative Energy Source -- 10.4 Benefits of Using Biodiesel -- 10.5 Technologies of Biodiesel Production From Non-Edible Feedstock. 10.6 Biodiesel Production by Transesterification -- 10.7 Non-Edible Feedstocks for Biodiesel Production -- 10.8 Fuel Properties of Biodiesel Obtained From Non-Edible Feedstock -- 10.9 Advantages of Non-Edible Feedstocks -- 10.10 Economic Importance of Biodiesel Production -- 10.11 Conclusions -- Acknowledgments -- References -- 11 Oleochemical Resources for Biodiesel Production -- 11.1 Introduction -- 11.2 Definition of Oleochemicals -- 11.3 Oleochemical Types -- 11.4 Production of Biodiesel -- 11.5 Types of Feedstocks -- 11.6 Uses of Oleochemicals -- 11.7 Methyl Ester or Biodiesel Production -- 11.8 Parameters Affecting the Yield of Biodiesel -- 11.9 Optimization of Reactions Conditions for High Yield and Quality of Biodiesel -- 11.10 Oil Recovery -- 11.11 Quality Improvement of Biodiesel -- 11.12 Conclusion -- Abbreviations -- References -- 12 Overview on Different Reactors for Biodiesel Production -- 12.1 Introduction -- 12.2 Biodiesel Production Reactors -- 12.3 Future Prospects -- 12.4 Conclusion -- References -- 13 Patents on Biodiesel -- 13.1 Introduction -- 13.2 Generation of Biodiesel -- 13.3 Development of Catalyst -- 13.4 Method Producing Biodiesel -- 13.5 Reactor's Technology for Biodiesel Production -- 13.6 Conclusion -- References -- 14 Reactions of Carboxylic Acids With an Alcohol Over Acid Materials -- 14.1 Introduction -- 14.2 Zeolites -- 14.3 SO3H as

2. Record Nr. UNINA9910349424003321

Titolo	Persuasive Technology : 13th International Conference, PERSUASIVE 2018, Waterloo, ON, Canada, April 18-19, 2018, Proceedings / / edited by Jaap Ham, Evangelos Karapanos, Plinio P. Morita, Catherine M. Burns
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2018
ISBN	9783319789781 3319789783
Edizione	[1st ed. 2018.]
Descrizione fisica	1 online resource (XIII, 312 p.)
Collana	Information Systems and Applications, incl. Internet/Web, and HCI, , 2946-1642 ; ; 10809
Disciplina	153.852
Soggetti	Computers and civilization Application software User interfaces (Computer systems) Human-computer interaction Computers, Special purpose Social sciences - Data processing Computers and Society Computer and Information Systems Applications User Interfaces and Human Computer Interaction Special Purpose and Application-Based Systems Computer Application in Social and Behavioral Sciences
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Thinking about persuasive technology from the strategic business perspective: A call for research on cost-based competitive advantage -- What makes it persuasive -- Sustaining Health Behaviors Through Empowerment: A Deductive Theoretical Model of Behavior Change Based on Information and Communication Technology (ICT) -- Can an Enterprise System Persuade? The Role of Perceived Effectiveness and Social Influence -- Is it my looks? Or something I said? The Impact of Explanations, Embodiment, and Expectations on Trust and Performance in Human-Robot Teams -- Building Online Platforms for Peer Support

Groups as a Persuasive Behavioural Change Technique -- A Decision-Making Perspective on Coaching Behavior Change: A Field Experiment on Promoting Exercise at Work -- Towards Finding Windows of Opportunity for Ubiquitous Healthy Eating Interventions -- Influencing Participant Behavior Through a Notification-Based Recommendation System -- Using Visual Cues to Leverage the Use of Speech Input in theVehicle -- Time Off: Designing Lively Representations as Imaginative Triggers for Healthy Smartphone Use -- Rationale Behind Socially Influencing Design Choices for Health Behavior Change -- The Values of Self-tracking and Persuasive eCoaching according to Employees and Human Resource Advisors for a Workplace Stress Management Application: a Qualitative Study -- Participatory Design of a Persuasive Mobile Application for Helping Entrepreneurs to Recover from Work -- Might we learn from learning? -- Shock Tactics: Perceived Controversy in Molleindustria Persuasive Games -- Reflection through Gaming: Reinforcing health message response through gamified rehearsal -- Designing and testing credibility: The case of a serious game on nightlife risks -- Persuasive Interventions for Sustainable Travel Choices Leveraging Users' Personality and Mobility Type -- Building Website Certificate Mental Models -- Persuasive Technology to Support Chronic Health Conditions: Investigating the Optimal Persuasive Strategies for Persons with COPD -- Cardiovascular Reactions during Exposure to Persuasion Principles -- Consumers' Need for Uniqueness and The Influence of Persuasive Strategies in E-commerce -- Using an Artificial Agent as a Behavior Model to Promote Assistive Technology Acceptance -- Understanding Home Energy Saving Recommendations.

Sommario/riassunto

This book constitutes the refereed proceedings of the 13th International Conference on Persuasive Technology, PERSUASIVE 2018, held in Waterloo, ON, Canada, in April 2018. The 21 revised full papers and 4 short papers presented were carefully reviewed and selected from 59 submissions. The papers demonstrate how persuasive technologies can help solve societal issues. They explore new frontiers for persuasive technology, such as personalized persuasion, new sensor usage, uses of big data, and new ways of creating engagement through gaming or social connection, focusing on a variety of technologies (e.g., web, wearables, AI, and smart environments). The papers are organized in the following topical sections: social means to persuasion; nudging and just-in-time interventions; design principles and practices; persuasive games; personalization and tailoring; and theoretical reflections. .