

1. Record Nr.	UNINA9910878984603321
Titolo	Circular Bioeconomy Perspectives in Sustainable Bioenergy Production / / edited by Gurunathan Baskar, Veeramuthu Ashokkumar, Samuel Lalthazuala Rokhum, Vijayanand Suryakant Moholkar
Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2024
ISBN	9789819725236 9789819725229
Edizione	[1st ed. 2024.]
Descrizione fisica	1 online resource (469 pages)
Collana	Energy, Environment, and Sustainability, , 2522-8374
Disciplina	662.88
Soggetti	Electric power production Energy harvesting Power resources Environmental economics Bioengineering Mechanical Power Engineering Energy Harvesting Resource and Environmental Economics Biological and Physical Engineering
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	1. Bioenergy based sustainable bioeconomy - perspectives and challenges -- 2. Lignocellulosic Biomass for Sustainable Production of Renewable Fuel: Embracing Natural Resources -- 3. Industrial Organic Waste and By-products as Sustainable Feedstock for Bioenergy Production -- 4. Transesterification of Waste Cooking Oil through Microwave Technology: Recent Advances and Challenges -- 5. Green catalysts synthesized from biomass for biodiesel production -- 6. Sustainable Solutions for bioenergy production from Hospital-based Plastic Waste – Thinking Beyond Landfills -- 7. Functionalized biochar for green and sustainable production of biodiesel -- 8. plug flow followed by mixed flow natural circulation bioreactor for biofuel production – A system approaches to biogas production -- 9. Versatile

pretreatment approaches to improve the bioethanol production from various biomass feedstocks -- 10. Biorefinery Avenues for Processing Urban Solid Waste: Potential for Value Added Chemicals and energy -- 11. Pyrolytic conversion of heterogenic natural waste biomass from rural communities with concomitant valorisation -- 12. Improving the biogas generation potential from organic wastes using hydrochar as an additive – Lab-scale case study from central Sweden: Part 1 -- 13. Improving the biogas generation potential from organic wastes using hydrochar as an additive – Lab-scale case study from central Sweden: Part 2 -- 14. Circular Bioeconomy Perspectives in Biomass Pyrolysis -- 15. Heterogeneous Hydrochar-based catalysts for biodiesel Production -- 16. Circular Bioeconomy Approaches for Valorising Waste Streams into Bio-jet Fuel -- 17. Sustainable bioethanol production from the pretreated waste lignocellulosic feedstocks -- 18. Waste biomass supply chain for sustainable bioenergy production.

Sommario/riassunto

This book covers the various technological developments and challenges in converting biomass residues into different forms of bioenergy. The continuous increase in the world population increased the demand for food products. The incorporation of modern technologies in agriculture increased the production of various food products, ending with excess generation of agricultural biomass residues from primary and secondary agriculture industries. Since, these biomass residues are a rich source of valuable bioproducts, they can be converted into various forms of bioenergy, such as biogas, biochar, biooil, biodiesel, and bioethanol. Besides, this approach is expected to address the gaps in biomass residue management and transformation to valuable bioproducts, and it also enhances the circular economy perspective. The book can be a valuable reference for beginners, researchers, and professionals interested in sustainable construction and allied fields.

2. Record Nr.	UNINA9911018890803321
Titolo	Fatty liver disease : NASH and related disorders // edited by Geoffrey C. Farrell ... [et al.]
Pubbl/distr/stampa	Malden, Mass., : Blackwell Pub., 2005
ISBN	9786610743346 9781280743344 1280743344 9780470797211 0470797215 9780470987438 047098743X 9781405141000 140514100X
Descrizione fisica	1 online resource (342 p.)
Altri autori (Persone)	FarrellGeoffrey C
Disciplina	616.3/62
Soggetti	Fatty liver
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Overview: an introduction to NASH and related fatty liver disorders / Geoffrey C. Farrell ... [et al.] -- Pathology of hepatic steatosis, non-alcoholic steatohepatitis (NASH) and related conditions / Pauline de la M. Hall & Richard Kirsch -- The epidemiology and risk factors of NASH / Arthur J. Mccullough -- Insulin resistance in non-alcoholic fatty liver disease: potential mechanisms and therapies / Varman T. Samuel & Gerald I. Shulman -- NASH as part of the metabolic (insulin resistance) syndrome / Giulio Marchesini & Elisabetta Bugianesi -- NASH is a genetically determined disease / C.P. Day & A.K. Daly -- The pathogenesis of non-alcoholic steatohepatitis: human studies / Arun J. Sanyal -- Animal models of steatohepatitis / Geoffrey C. Farrell -- Fatty acid metabolism and lipotoxicity in the pathogenesis of NASH/NAFLD / Nathan M. Bass & Raphael B. Merriman -- Cytokines and inflammatory recruitment in NASH: experimental and human studies / Z. Li & A.M. Diehl -- Mitochondrial injury and NASH / Bernard Fromenty &

Dominique Pessayre -- Cell biology of NASH: fibrosis and cell proliferation / Isabelle A. Leclercq & Yves Horsmans -- Clinical manifestations and diagnosis of NAFLD / Stephen A. Harrison & Brent Neuschwander-Tetri --
The clinical outcome of NAFLD including cryptogenic cirrhosis / Stephen H. Caldwell & Anita Impagliazzo Hylton -- Practical approach to the diagnosis and management of people with fatty liver diseases / Jacob George & Geoffrey C. Farrell -- Management of NASH: current and future perspectives on treatment / Paul Angulo & Keith D. Lindor -- Non-alcoholic fatty liver disease, non-alcoholic steatohepatitis and orthotopic liver transplantation / Anne Burke & Michael R. Lucey -- Non-alcoholic steatohepatitis (NASH)/non-alcoholic fatty liver disease (NAFLD) is not just a 'Western' problem: some perspectives on NASH/NAFLD from the East / Shivakumar Chitturi & Jacob George -- Paediatric NASH / J. Lavine and J.B. Schwimmer -- Steatohepatitis due to intestinal bypass / Christiane Bode & J. Christian Bode -- Specific disorders associated with non-alcoholic fatty liver disease (NAFLD) / Geraldine M. Grant, Vikas Chandhoke & Zobair M. Younossi -- Hepatocellular carcinoma in non-alcoholic fatty liver disease / Vlad Ratziu & Thierry Poynard -- Does NASH or NAFLD contribute to co-morbidity of other liver diseases? / Andrew D. Clouston & Elizabeth E. Powell.

Sommario/riassunto

Fatty Liver Diseases: NASH and Related Disorders is an unusual book: it combines a practical approach for students and physicians concerned with the problem with a clear overview on the causative mechanisms. It appeals to doctors and other health care workers who encounter this problem, as well as to pathologists and investigators interested in the field of liver disease. It will improve your diagnostic acumen for people with abnormal liver tests, advance your knowledge about this important subject and help with your specialist or undergraduate exams, and management
