

1. Record Nr.	UNINA9910824838203321
Titolo	Lignocellulosic biomass production and industrial applications // edited by Arindam Kuila and Vinay Sharma
Pubbl/distr/stampa	Hoboken, New Jersey : , : Wiley, , 2017 ©2017
ISBN	1-119-32385-1 1-119-32368-1 1-119-32387-8
Descrizione fisica	1 online resource (269 pages) : illustrations
Disciplina	662.88
Soggetti	Lignocellulose - Biotechnology Biomass - Industrial applications
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Valorization of lignocellulosic materials to polyhydroxyalkanoates (PHAs) / Arpan Das -- Biological gaseous energy recovery from lignocellulosic biomass / Shantonu Roy -- Alkali treatment to improve physical, mechanical and chemical properties of lignocellulosic natural fibers for use in various applications / Suvendu Manna, Prosenjit Saha, Sukanya Chudhury and Sabu Thomas -- Biodiesel production from lignocellulosic biomass using oleaginous microbes : a review / S.P. Jeevan Kumar, Lohit K. Srinivas Gujjala, Archana Dash, Bitasta Talukdar and Rintu Banerjee -- Biopulping of lignocellulose / Arijit Jana, Debashish Ghosh, Diptarka Dasgupta, Pradeep Kumar Das Mohapatra and Keshab Chandra Mondal -- Second generation bioethanol production from residual biomass of the rice processing industry / Luciana Luft, Juliana R. F. da Silva, Raquel C. Kuhn and Marcio A. Mazutti -- Microbial enzymes and lignocellulosic fuel production / Avanthi Althuri, Anjani Devi Chintagunta, Knawang Chhunji Sherpa, Rajiv Chandra Rajak, Debajyoti Kundu, Jagriti Singh, Akanksha Rastogi and Rintu Banerjee -- Sugarcane : a potential agricultural crop for bioeconomy through biorefinery / Knawang Chhunji Sherpa, Rajiv Chandra Rajak and Rintu Banerjee -- Lignocellulosic biomass

availability map : a GIS-based approach for assessing production statistics of lignocellulosics and its application in biorefinery / Sanjeev Kumar, G. Lohit Kumar Srinivas and Rintu Banerjee -- Lignocellulosic biomass utilization for the production of sustainable chemicals and polymers / Mukherjee Gunjan, Dhiman Gourav and Akhtar Nadeem -- Utilization of lignocellulosic biomass for biobutanol production : a review / Anand Prakash, Vinay Sharma, Deepak Kumar, Arindam Kuila and Arun Kumar Sharma -- Application of lignocellulosic biomass in the paper industry / Mainak Mukhopadhyay and Debalina Bhattacharya.
