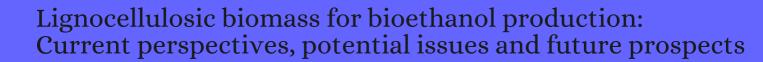
# CITATION REPORT List of articles citing



DOI: 10.1016/j.pecs.2012.03.002 Progress in Energy and Combustion Science, 2012, 38, 449-46

Source: https://exaly.com/paper-pdf/54615907/citation-report.pdf

Version: 2024-04-17

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

#	Paper IF	Citations
934	Stochastic molecular model of enzymatic hydrolysis of cellulose for ethanol production. <b>2013</b> , 6, 63	66
933	The Nature of Surface Deposits Following Valeric Acid Interactions with Al2O3-Supported Alkaline Earth Oxide Catalysts: Towards Cellulosic Biofuels. <b>2013</b> , 143, 364-369	2
932	Dilute-acid conversion of cotton straw to sugars and levulinic acid via 2-stage hydrolysis. <b>2013</b> , 46, 205-209	58
931	Fed-batch semi-simultaneous saccharification and fermentation of reed pretreated with liquid hot water for bio-ethanol production using Saccharomyces cerevisiae. <b>2013</b> , 144, 539-47	50
930	Simultaneous production of cellulase and reducing sugar through modification of compositional and structural characteristic of sugarcane bagasse. <b>2013</b> , 53, 250-6	18
929	Fungal pretreatment of switchgrass for improved saccharification and simultaneous enzyme production. <b>2013</b> , 135, 39-45	41
928	Wastewater from the soft drinks industry as a source for bioethanol production. <b>2013</b> , 136, 140-7	34
927	Thermal analysis of a solar distillation system for ethanol-water solutions. <b>2013</b> , 5, 043119	2
926	Pichia anomala 29X: a resistant strain for lignocellulosic biomass hydrolysate fermentation. <b>2013</b> , 13, 609-17	18
925	Acid-catalyzed hydrothermal severity on the fractionation of agricultural residues for xylose-rich hydrolyzates. <b>2013</b> , 132, 84-90	27
924	Preliminary studies of bio-oil from fast pyrolysis of coconut fibers. <b>2013</b> , 61, 6812-21	27
923	Heterogeneous hydrolysis of cellulose into glucose over phenolic residue-derived solid acid. <b>2013</b> , 113, 644-649	36
922	Low temperature PAH formation in diesel combustion. <b>2013</b> , 103, 119-125	24
921	An integrated process to enhance ethanol production from steam-exploded corn stover. <b>2013</b> , 107, 823-827	13
920	Advances in ethanol production from hardwood spent sulphite liquors. <b>2013</b> , 48, 272-282	40
919	Value chain optimization of forest biomass for bioenergy production: A review. <b>2013</b> , 23, 299-311	164
918	Sources for Lignocellulosic Raw Materials for the Production of Ethanol. <b>2013</b> , 21-38	38

## (2014-2013)

917	Molecular Dynamics Simulation of Free Energy of Desorption of Cellohexaose from a Cellulose Crystal Surface. <b>2013</b> , 1-17	2
916	Analysis of monosaccharides and oligosaccharides in the pulp and paper industry by use of capillary zone electrophoresis: a review. <b>2013</b> , 405, 5773-84	16
915	Enhancement of enzymatic saccharification of sugarcane bagasse by liquid hot water pretreatment. <b>2013</b> , 143, 391-6	89
914	Tween 40 pretreatment of unwashed water-insoluble solids of reed straw and corn stover pretreated with liquid hot water to obtain high concentrations of bioethanol. <b>2013</b> , 6, 159	35
913	Saccharification of cellulose by recombinant Rhodococcus opacus PD630 strains. <b>2013</b> , 79, 5159-66	21
912	Energy Efficient Microwave Irradiation of Sago Bark Waste (SBW) for Bioethanol Production. <b>2013</b> , 701, 249-253	11
911	CO Hydrogenation on Rh-Based Catalysts for Ethanol Production. 2013, 864-867, 442-446	
910	Development of a tilted-slide reactor for the fast pyrolysis of biomass. 2013, 33, n/a-n/a	1
909	. 2013,	3
908	Pretreatment and utilization of low-value fibrous biomass for bacterial fermentation of biosurfactants. <b>2013</b> ,	
907	Characteristics of corn stover pretreated with liquid hot water and fed-batch semi-simultaneous saccharification and fermentation for bioethanol production. <b>2014</b> , 9, e95455	42
906		
_	Conversion of lignocellulosic biomass to nanocellulose: structure and chemical process. <b>2014</b> , 2014, 631013	235
905	Conversion of lignocellulosic biomass to nanocellulose: structure and chemical process. <b>2014</b> , 2014, 631013  Cellulose from Lignocellulosic Waste. <b>2014</b> , 1-33	235
905	Cellulose from Lignocellulosic Waste. <b>2014</b> , 1-33	6
905	Cellulose from Lignocellulosic Waste. <b>2014</b> , 1-33  Lignocellulose-Based Chemical Products. <b>2014</b> , 277-313  Integrated approach for effective bioethanol production using whole slurry from autohydrolyzed	6 29
905 904 903	Cellulose from Lignocellulosic Waste. 2014, 1-33  Lignocellulose-Based Chemical Products. 2014, 277-313  Integrated approach for effective bioethanol production using whole slurry from autohydrolyzed Eucalyptus globulus wood at high-solid loadings. 2014, 135, 482-491	6 29 55

899	Development of Thermochemical and Biochemical Technologies for Biorefineries. <b>2014</b> , 457-488	6
898	Agricultural residue production and potentials for energy and materials services. <i>Progress in Energy and Combustion Science</i> , <b>2014</b> , 40, 59-73	5 169
897	Gene cloning, expression and biochemical characterization of a glucose- and xylose-stimulated Eglucosidase from Humicola insolens RP86. <b>2014</b> , 106, 1-10	30
896	Fermentable sugar recovery and adsorption potential of enzymatically hydrolyzed rice straw. <b>2014</b> , 66, 555-561	24
895	Improved production of two expansin-like proteins in Pichia pastoris and investigation of their functional properties. <b>2014</b> , 84, 16-27	19
894	Life cycle assessment of Brassica carinata biomass conversion to bioenergy and platform chemicals. <b>2014</b> , 66, 174-187	43
893	Optimization of sono-assisted dilute sulfuric acid process for simultaneous pretreatment and saccharification of rice straw. <b>2014</b> , 11, 543-550	22
892	Proposed design of distributed macroalgal biorefineries: thermodynamics, bioconversion technology, and sustainability implications for developing economies. <b>2014</b> , 8, 67-82	48
891	Cultivation of lipid-producing bacteria with lignocellulosic biomass: effects of inhibitory compounds of lignocellulosic hydrolysates. <b>2014</b> , 161, 162-70	46
890	Oxygen transfer to cassava starch solutions in an aerated, well-mixed bioreactor: Experimental and mass transfer studies. <b>2014</b> , 31, 650-658	7
889	Trimetallic amorphous catalyst with low amount of platinum: Comparative study for ethanol, bioethanol and CO electrooxidation. <b>2014</b> , 39, 3984-3990	10
888	Strategies for the consolidation of biologically mediated events in the conversion of pre-treated lignocellulose into ethanol. <b>2014</b> , 4, 3392-3412	16
887	Enzymatic saccharification and structural properties of industrial wood sawdust: Recycled ionic liquids pretreatments. <b>2014</b> , 88, 1094-1103	54
886	Grasses for biofuels: A low water-use alternative for cold desert agriculture?. <b>2014</b> , 66, 133-142	13
885	Production of Bioethanol in a Second Generation Prototype from Pine Wood Chips. <b>2014</b> , 45, 42-51	54
884	Advanced Biofuels from Thermochemical Processing of Sustainable Biomass in Europe. <b>2014</b> , 7, 36-47	43
883	Study of process configuration and catalyst concentration in integrated alkaline extrusion of barley straw for bioethanol production. <b>2014</b> , 134, 448-454	26
882	Effect of double-step steam explosion pretreatment in bioethanol production from softwood. <b>2014</b> , 174, 156-67	17

## (2014-2014)

881	Dilute ammonia pretreatment of sugarcane bagasse followed by enzymatic hydrolysis to sugars. <b>2014</b> , 21, 1341-1349	36
880	Optimization of the process of chemical hydrolysis of cellulose to glucose. <b>2014</b> , 21, 2397-2407	31
879	Effective Activation Energies of Lignocellulosic Biomass Pyrolysis. <b>2014</b> , 28, 3916-3923	60
878	Lifecycle greenhouse gas footprint and minimum selling price of renewable diesel and jet fuel from fermentation and advanced fermentation production technologies. <b>2014</b> , 7, 1545-1554	68
877	Enzyme-assisted hydrothermal treatment of food waste for co-production of hydrochar and bio-oil. <b>2014</b> , 168, 267-74	49
876	Physical characterization and comparison of biodiesel produced from edible and non-edible oils of Madhuca indica (mahua), Pongamia pinnata (karanja), and Sesamum indicum (til) plant oilseeds. <b>2014</b> , 4, 193-200	11
875	Thermophilic fermentations of lignocellulosic substrates and economics of biofuels: prospects in Pakistan. <b>2014</b> , 5, 1	9
874	Cyanobacterial biomass as carbohydrate and nutrient feedstock for bioethanol production by yeast fermentation. <b>2014</b> , 7, 64	129
873	Bioethanol Production from Hydrothermally Pretreated and Delignified Corn Stover by Fed-Batch Simultaneous Saccharification and Fermentation. <b>2014</b> , 28, 1158-1165	10
872	Kenaf biomass biodecomposition by basidiomycetes and actinobacteria in submerged fermentation for production of carbohydrates and phenolic compounds. <b>2014</b> , 173, 352-360	16
871	Enzymatic hydrolysis of pretreated waste papersource of raw material for production of liquid biofuels. <b>2014</b> , 152, 543-7	49
870	Fast pyrolysis of Douglas fir by using tilted-slide reactor and characteristics of biocrude-oil fractions. <b>2014</b> , 65, 7-13	17
869	Novel pretreatment of steam explosion associated with ammonium chloride preimpregnation. <b>2014</b> , 153, 154-9	18
868	Combined process system for the production of bioethanol from sugarcane straw. <b>2014</b> , 58, 1-7	46
867	Fuel ethanol production from sweet sorghum bagasse using microwave irradiation. <b>2014</b> , 65, 145-150	33
866	Effect of n-pentanol addition on the combustion, performance and emission characteristics of a direct-injection diesel engine. <b>2014</b> , 70, 172-180	178
865	Laccase-assisted surface functionalization of lignocellulosics. <b>2014</b> , 102, 48-58	37
864	Bioethanol production from sago pith waste using microwave hydrothermal hydrolysis accelerated by carbon dioxide. <b>2014</b> , 128, 277-283	56

863	Production of anhydrous ethanol using oil palm empty fruit bunch in a pilot plant. 2014, 67, 99-107	33
862	Alkaline and alkaline peroxide pretreatments at mild temperature to enhance enzymatic hydrolysis of rice hulls and straw. <b>2014</b> , 167, 1-7	76
861	Life cycle assessment (LCA) for biofuels in Brazilian conditions: A meta-analysis. 2014, 37, 435-459	99
860	Exergy analysis of pretreatment processes of bioethanol production based on sugarcane bagasse. <b>2014</b> , 76, 130-138	40
859	Enzymatic hydrolysis and fermentation of seaweed solid wastes for bioethanol production: An optimization study. <b>2014</b> , 78, 53-62	87
858	Hydrothermal Processing of Biomass. <b>2014</b> , 168-189	
857	Life cycle environmental sustainability of lignocellulosic ethanol produced in integrated thermo-chemical biorefineries. <b>2015</b> , 9, 661-676	33
856	Industrial Enzymes: Proteases and Carbrohydrases. <b>2015</b> , 327-369	3
855	Unveiling the metabolic potential of two soil-derived microbial consortia selected on wheat straw. <b>2015</b> , 5, 13845	47
854	Effect of Brassica napus cultivar on cellulosic ethanol yield. <b>2015</b> , 8, 99	9
853	Engineering a novel glucose-tolerant Eglucosidase as supplementation to enhance the hydrolysis of sugarcane bagasse at high glucose concentration. <b>2015</b> , 8, 202	67
852	Lignocellulose conversion for biofuel: a new pretreatment greatly improves downstream biocatalytic hydrolysis of various lignocellulosic materials. <b>2015</b> , 8, 228	122
851	Novel Ozonation Technique to Delignify Wheat Straw for Biofuel Production. 2015, 26, 303-318	6
850	Optimizing Semisimultaneous Saccharification and Fermentation for Ethanol Production from Chinese Distiller's Spent Grains. <b>2015</b> , 73, 190-194	1
849	Cellulases produced by the endophytic fungus Pycnoporus sanguineus (L.) Murrill. <b>2015</b> , 10, 1557-1564	7
848	Combined Biogas and Bioethanol Production: Opportunities and Challenges for Industrial Application. <b>2015</b> , 8, 8121-8144	61
847	Five willow varieties cultivated across diverse field environments reveal stem density variation associated with high tension wood abundance. <b>2015</b> , 6, 948	10
846	Actinomycetes: A Source of Lignocellulolytic Enzymes. <b>2015</b> , 2015, 279381	69

### (2015-2015)

845	. 2015,	48
844	Perspective of Biofuels from Wastes. <b>2015</b> , 37-83	8
843	Autohydrolysis of Hemicelluloses from Sugarcane Bagasse During Hydrothermal Pretreatment: a Kinetic Assessment. <b>2015</b> , 8, 1778-1787	58
842	Production of cellulolytic enzymes from ascomycetes: Comparison of solid state and submerged fermentation. <b>2015</b> , 50, 1327-1341	95
841	Extraction of Lignin from Biomass for Biodiesel Production. <b>2015</b> , 155-179	5
840	Lignocellulosic agriculture wastes as biomass feedstocks for second-generation bioethanol production: concepts and recent developments. <b>2015</b> , 5, 337-353	502
839	Upgrading Furfurals to Drop-in Biofuels: An Overview. <b>2015</b> , 3, 1263-1277	198
838	Simultaneous catalytic de-polymerization and hydrodeoxygenation of lignin in water/formic acid media with Rh/Al2O3, Ru/Al2O3 and Pd/Al2O3 as bifunctional catalysts. <b>2015</b> , 113, 713-722	55
837	Effects of fermentation by-products and inhibitors on pervaporative recovery of biofuels from fermentation broths with novel silane modified silicalite-1/PDMS/PAN thin film composite membrane. <b>2015</b> , 279, 547-554	23
836	Utilization of Distillation Residue of 2nd Generation Bioethanol for Fine Chemicals Production. <b>2015</b> , 16, 24-30	
835	Co-digestion of sewage sludge and dewatered residues from enzymatic hydrolysis of sugar beet pulp. <b>2015</b> , 65, 1354-64	14
834	High-titer ethanol production from simultaneous saccharification and fermentation using a continuous feeding system. <b>2015</b> , 145, 18-24	39
833	Production of Industrially Relevant Isoprenoid Compounds in Engineered Microbes. 2015, 303-334	14
832	Three-phasic fermentation systems for enzyme production with sugarcane bagasse in stirred tank bioreactors: Effects of operational variables and cultivation method. <b>2015</b> , 97, 32-39	26
831	Enhanced saccharification of reed and rice straws by the addition of £1,3-1,4-glucanase with broad substrate specificity and calcium ion. <b>2015</b> , 58, 29-33	5
830	Effect of Torrefaction on Physical Properties and Conversion Behavior of High Heating Rate Char of Forest Residue. <b>2015</b> , 29, 177-184	27
829	Lignocellulose-degrading enzymes. <b>2015</b> , 73-85	5
828	Platform Molecules. <b>2015</b> , 89-155	31

827	Comparison of second-generation processes for the conversion of sugarcane bagasse to liquid biofuels in terms of energy efficiency, pinch point analysis and Life Cycle Analysis. <b>2015</b> , 91, 292-301	55
826	Assessing the potential of wild yeasts for bioethanol production. <b>2015</b> , 42, 39-48	36
825	Biohydrogen from Lignocellulosic Wastes. <b>2015</b> , 253-288	9
824	Direct ethanol fuel cells for transport and stationary applications 🖟 comprehensive review. <b>2015</b> , 145, 80-103	317
823	Bioethanol production from Miscanthus using thermotolerant Saccharomyces cerevisiae mbc 2 isolated from the respiration-deficient mutants. <b>2015</b> , 80, 259-265	23
822	Using Populus as a lignocellulosic feedstock for bioethanol. <b>2015</b> , 10, 510-24	34
821	Wet Explosion: a Universal and Efficient Pretreatment Process for Lignocellulosic Biorefineries. <b>2015</b> , 8, 1101-1116	68
820	Isolation of cellulolytic bacteria from the intestine of Diatraea saccharalis larvae and evaluation of their capacity to degrade sugarcane biomass. <b>2015</b> , 5, 15	70
819	Catalytic upgrading of renewable furfuryl alcohol to alkyl levulinates using AlCl3 as a facile, efficient, and reusable catalyst. <b>2015</b> , 160, 123-131	51
818	Anaerobic Microbiology Laboratory Training and Writing Comprehension for Food Safety Education. <b>2015</b> , 395-419	2
817	Bioprospecting thermophilic/thermotolerant microbes for production of lignocellulosic ethanol: A future perspective. <b>2015</b> , 51, 699-717	73
816	Comparison of industrially viable pretreatments to enhance soybean straw biodegradability. <b>2015</b> , 194, 1-6	26
815	Kinetic studies of two-stage sulphuric acid hydrolysis of sugarcane bagasse. <b>2015</b> , 83, 850-858	51
814	Optimization and Modelling of Process Conditions Using Response Surface Methodology (RSM) for Enzymatic Saccharification of Spent Tea Waste (STW). <b>2015</b> , 6, 1077-1084	11
813	Pilot scale steam explosion and diluted sulfuric acid pretreatments: Comparative study aiming the sugarcane bagasse saccharification. <b>2015</b> , 74, 810-816	49
812	Rapid evolution of recombinant Saccharomyces cerevisiae for Xylose fermentation through formation of extra-chromosomal circular DNA. <b>2015</b> , 11, e1005010	38
811	Enhanced fermentable sugar production from kitchen waste using various pretreatments. <b>2015</b> , 156, 290-8	32
810	Impact of Altered Cell Wall Composition on Saccharification Efficiency in Stem Tissue of Arabidopsis RABA GTPase-Deficient Knockout Mutants. <b>2015</b> , 8, 1362-1370	O

### (2015-2015)

809	Current states and prospects of organic waste utilization for biorefineries. <b>2015</b> , 49, 335-349	69
808	Lignin repolymerisation in spruce autohydrolysis pretreatment increases cellulase deactivation. <b>2015</b> , 17, 3521-3532	99
807	Bioethanol from Lignocellulosic Wastes: Current Status and Future Prospects. <b>2015</b> , 175-206	3
806	Valorization of agricultural wastes as dye adsorbents: characterization and adsorption isotherms. <b>2015</b> , 36, 1913-23	6
805	The prospects of Jerusalem artichoke in functional food ingredients and bioenergy production. <b>2015</b> , 5, 77-88	86
804	Enhancement of fungal delignification of rice straw by Trichoderma viride sp. to improve its saccharification. <b>2015</b> , 101, 77-84	45
803	Optimization of uncatalyzed steam explosion pretreatment of rapeseed straw for biofuel production. <b>2015</b> , 190, 97-105	67
802	Evaluation of various fungal pretreatment of switchgrass for enhanced saccharification and simultaneous enzyme production. <b>2015</b> , 104, 480-488	23
801	Effect of non-enzymatic proteins on enzymatic hydrolysis and simultaneous saccharification and fermentation of different lignocellulosic materials. <b>2015</b> , 190, 373-80	31
800	Improvement on sugar cane bagasse hydrolysis using enzymatic mixture designed cocktail. <b>2015</b> , 187, 173-181	37
799	Current perspectives in enzymatic saccharification of lignocellulosic biomass. <b>2015</b> , 102, 38-44	98
798	Acrylated betulin as a comonomer for bio-based coatings. Part I: Characterization, photo-polymerization behavior and thermal stability. <b>2015</b> , 76, 530-537	14
797	Analysis of the lignocellulosic components of biomass residues for biorefinery opportunities. <b>2015</b> , 144, 696-703	86
796	Addition of cellulolytic enzymes and phytase for improving ethanol fermentation performance and oil recovery in corn dry grind process. <b>2015</b> , 77, 803-808	16
795	Simultaneous utilization of glucose and xylose for lipid accumulation in black soldier fly. 2015, 8, 117	46
794	Genetic manipulation of lignocellulosic biomass for bioenergy. <b>2015</b> , 29, 32-9	46
793	Optimization of Combustion Performance of Bioethanol (Water Hyacinth) Diesel Blends on Diesel Engine Using Response Surface Methodology. <b>2015</b> , 40, 3675-3695	26
792	Recent Advances in the Application of Inorganic Salt Pretreatment for Transforming Lignocellulosic Biomass into Reducing Sugars. <b>2015</b> , 63, 8349-63	115

791	Combined cell-surface display- and secretion-based strategies for production of cellulosic ethanol with Saccharomyces cerevisiae. <b>2015</b> , 8, 162		43
790	Anaerobic digestion of lignocellulosic biomass: challenges and opportunities. <b>2015</b> , 178, 178-186		418
789	Conversion of ethanol over transition metal oxide catalysts: Effect of tungsta addition on catalytic behaviour of titania and zirconia. <b>2015</b> , 489, 180-187		54
788	Fresh oil palm frond juice as a renewable, non-food, non-cellulosic and complete medium for direct bioethanol production. <b>2015</b> , 63, 357-361		22
787	Challenges and opportunities in improving the production of bio-ethanol. <i>Progress in Energy and Combustion Science</i> , <b>2015</b> , 47, 60-88	33.6	373
786	Transitions in biofuel technologies: An appraisal of the social impacts of cellulosic ethanol using the Delphi method. <b>2015</b> , 92, 53-68		29
785	Development of a chimeric hemicellulase to enhance the xylose production and thermotolerance. <b>2015</b> , 69, 31-7		24
7 <sup>8</sup> 4	Effect of ethanol and methanol on growth of ruminal bacteria Selenomonas ruminantium and Butyrivibrio fibrisolvens. <b>2015</b> , 50, 62-7		7
783	Isolation of cellulose nanocrystals from onion skin and their utilization for the preparation of agar-based bio-nanocomposites films. <b>2015</b> , 22, 407-420		96
782	A Reusable Biomimetic Magnetic Nanoenzyme for Cellulosic Biomass Degradation. <b>2015</b> , 8, 788-795		9
781	Life cycle assessment of lignocellulosic bioethanol: Environmental impacts and energy balance. <b>2015</b> , 42, 1349-1361		163
78o	Progress and challenges in the engineering of non-cellulolytic microorganisms for consolidated bioprocessing. <b>2015</b> , 33, 32-8		119
779	Ethanol production from rice straw using thermotolerant Kluyveromyces sp. IIPE453. <b>2015</b> , 5, 331-337		13
778	A review of the combustion and emissions properties of advanced transportation biofuels and their impact on existing and future engines. <b>2015</b> , 42, 1393-1417		283
777	Investigation on thermal and trace element characteristics during co-combustion biomass with coal gangue. <b>2015</b> , 175, 454-62		52
776	Theory, practice and prospects of X-ray and neutron scattering for lignocellulosic biomass characterization: towards understanding biomass pretreatment. <b>2015</b> , 8, 436-455		75
775	A Review on Fuel Ethanol Production From Lignocellulosic Biomass. <b>2015</b> , 12, 949-960		66
774	Pemanfaatan Limbah Pretreatment Dalam Produksi Bioetanol Dari Lignoselulosa Untuk Me-Recovery Fine Chemicals Dengan Proses Pirolisa. <b>2016</b> , 16,		

### (2016-2016)

773	and Hydrolysis Modeling. <b>2016</b> , 65-78	3
772	Lignocellulosic Ethanol Production from the Recovery of Stranded Driftwood Residues. <b>2016</b> , 9, 634	12
771	Aspergillus oryzae-Saccharomyces cerevisiae Consortium Allows Bio-Hybrid Fuel Cell to Run on Complex Carbohydrates. <b>2016</b> , 4,	3
770	Possible Futures towards a Wood-Based Bioeconomy: A Scenario Analysis for Germany. <b>2016</b> , 8, 98	52
769	Cellulase in Waste Management Applications. <b>2016</b> , 237-256	8
768	Fractionation of Lignocellulosic Biomass Materials With Wet Explosion Pretreatment. <b>2016</b> , 369-384	2
767	Low-Cost Enzymes and Their Applications in Bioenergy Sector * []2016, 111-131	1
766	Advance membrane separation processes for biorefineries. <b>2016,</b> 3-28	2
765	Anaerobic and sequential aerobic production of high-titer ethanol and single cell protein from NaOH-pretreated corn stover by a genome shuffling-modified Saccharomyces cerevisiae strain. <b>2016</b> , 218, 623-30	9
764	Catalytic Microwave Pyrolysis of Lignocellulosic Biomass for Fuels and Chemicals. <b>2016</b> , 1, 69-123	13
763	Bioethanol Quality Improvement of Coffee Fruit Leather. <b>2016</b> , 58, 01004	
762	Performance analysis of bioethanol (Water Hyacinth) on diesel engine. <b>2016</b> , 13, 1369-1379	5
761	Effect of NaOH on delignification of Saccharum spontaneum. <b>2016</b> , 35, 284-288	4
760	Assessment of endoglucanase activity by analyzing the degree of cellulose polymerization and high-throughput analysis by near-infrared spectroscopy. <b>2016</b> , 23, 1565-1572	6
759	Sustainable biodiesel production from oleaginous yeasts utilizing hydrolysates of various non-edible lignocellulosic biomasses. <b>2016</b> , 62, 836-855	135
75 <sup>8</sup>	Boosting TAG Accumulation with Improved Biodiesel Production from Novel Oleaginous Microalgae Scenedesmus sp. IITRIND2 Utilizing Waste Sugarcane Bagasse Aqueous Extract (SBAE). <b>2016</b> , 180, 109-21	38
757	SBA-15 supported ionic liquid phase (SILP) with H2PW12O40Ifor the hydrolytic catalysis of red macroalgal biomass to sugars. <b>2016</b> , 6, 33901-33909	16
756	Feasible process development and techno-economic evaluation of paper sludge to bioethanol conversion: South African paper mills scenario. <b>2016</b> , 92, 333-345	20

755	Effect of volumetric oxygen transfer coefficient (kLa) on ethanol production performance by Scheffersomyces stipitis on hemicellulosic sugarcane bagasse hydrolysate. <b>2016</b> , 112, 249-257	18
754	Mathematical modeling of continuous ethanol fermentation in a membrane bioreactor by pervaporation compared to conventional system: Genetic algorithm. <b>2016</b> , 212, 62-71	12
753	A review on the production of fermentable sugars from lignocellulosic biomass through conventional and enzymatic routell comparison. <b>2016</b> , 13, 1232-1253	37
75²	Combustion characteristics and arsenic retention during co-combustion of agricultural biomass and bituminous coal. <b>2016</b> , 214, 218-224	45
751	Pretreatment and conversion of lignocellulose biomass into valuable chemicals. <b>2016</b> , 6, 46834-46852	147
750	Statistical analysis of the effects of carbonization parameters on the structure of carbonized electrospun organosolv lignin fibers. <b>2016</b> , 133,	13
749	Fuel ethanol production from lignocellulosic biomass: An overview on feedstocks and technological approaches. <b>2016</b> , 66, 751-774	438
748	Effect of severity on dilute acid pretreatment of lignocellulosic biomass and the following hydrogen fermentation. <b>2016</b> , 41, 21678-21684	78
747	Adaptation to low pH and lignocellulosic inhibitors resulting in ethanolic fermentation and growth of Saccharomyces cerevisiae. <b>2016</b> , 6, 59	36
746	Delignification of rapeseed straw using innovative chemo-physical pretreatments. <b>2016</b> , 95, 92-98	18
745	In silico metabolic engineering of Clostridium ljungdahlii for synthesis gas fermentation. <b>2016</b> , 38, 389-400	31
744	Characterization of depolymerized lignin and renewable phenolic compounds from liquefied waste biomass. <b>2016</b> , 6, 95698-95707	24
743	Effects of organosolv pretreatment and acid hydrolysis on palm empty fruit bunch (PEFB) as bioethanol feedstock. <b>2016</b> , 95, 78-83	24
742	Green methods of lignocellulose pretreatment for biorefinery development. <b>2016</b> , 100, 9451-9467	155
741	Performance of several Saccharomyces strains for the alcoholic fermentation of sugar-sweetened high-strength wastewaters: Comparative analysis and kinetic modelling. <b>2016</b> , 33, 874-882	11
740	Computational simulation and statistical analysis of bioethanol production from Madhuca indica by batch fermentation process using Saccharomyces cerevisiae. <b>2016</b> , 18, 16-33	3
739	Chemical treatment of teff straw by sodium hydroxide, phosphoric acid and zinc chloride: adsorptive removal of chromium. <b>2016</b> , 13, 2415-2426	18
738	Metabolic pathway optimization for biosynthesis of 1,2,4-butanetriol from xylose by engineered Escherichia coli. <b>2016</b> , 93-94, 51-58	23

## (2016-2016)

737	41, 20880-20896	29
736	Colocation as Model for Production of Bio-Based Chemicals from Starch. <b>2016</b> , 549-568	
735	Kinetics of the enzymatic hydrolysis of lignocellulosic materials at different concentrations of the substrate. <b>2016</b> , 8, 81-87	6
734	Second generation bioethanol production: A critical review. <b>2016</b> , 66, 631-653	373
733	Modeling chemical kinetics of avocado oil ethanolysis catalyzed by solid glycerol-enriched calcium oxide. <b>2016</b> , 126, 1168-1177	24
732	Production of Bioethanol from Waste Newspaper. <b>2016</b> , 35, 555-562	54
731	Cellulolytic enzyme expression and simultaneous conversion of lignocellulosic sugars into ethanol and xylitol by a new Candida tropicalis strain. <b>2016</b> , 9, 157	27
730	Bio-ethanol production from wet coffee processing waste in Ethiopia. <b>2016</b> , 5, 1903	26
729	Life-cycle greenhouse gas emission and energy use of bioethanol produced from corn stover in China: Current perspectives and future prospectives. <b>2016</b> , 115, 303-313	36
728	Characteristics of the products of hydrothermal liquefaction combined with cellulosic bio-ethanol process. <b>2016</b> , 114, 862-867	7
727	Compared exergy analysis of sugarcane bagasse sequential hydrolysis and fermentation and simultaneous saccharification and fermentation. <b>2016</b> , 19, 459	3
726	High conversion of sugarcane bagasse into monosaccharides based on sodium hydroxide pretreatment at low water consumption and wastewater generation. <b>2016</b> , 218, 1230-6	34
725	Expression of Glycosyl Hydrolases in Lignocellulosic Feedstock: An Alternative for Affordable Cellulosic Ethanol Production. <b>2016</b> , 9, 1290-1304	13
724	Lactose. <b>2016</b> , 1-33	6
723	Characterization of three plant biomass-degrading microbial consortia by metagenomics- and metasecretomics-based approaches. <b>2016</b> , 100, 10463-10477	49
722	Characterization of sugarcane (Saccharum spp.) leaf senescence: implications for biofuel production. <b>2016</b> , 9, 153	17
721	Marine Microbes as a Potential Source of Cellulolytic Enzymes. <b>2016</b> , 79, 27-41	13
720	The Optimality of Using Marginal Land for Bioenergy Crops: Tradeoffs between Food, Fuel, and Environmental Services. <b>2016</b> , 45, 217-245	13

719 Bioethanol Production from Liquid Waste of Rice Flour with Batch Process. **2016**, 58, 01003

718	Construction of Aspergillus niger integrated with cellulase gene from Ampullaria gigas Spix for improved enzyme production and saccharification of alkaline-pretreated rice straw. <b>2016</b> , 6, 236	8
717	Directed evolution of xylose specific transporters to facilitate glucose-xylose co-utilization. <b>2016</b> , 113, 484-91	37
716	Enzymes in Industrial Biotechnology. <b>2016</b> , 1-73	4
715	Effective alkaline metal-catalyzed oxidative delignification of hybrid poplar. 2016, 9, 34	35
714	Nanoscale Engineering of Designer Cellulosomes. <b>2016</b> , 28, 5619-47	35
713	A perspective on bioethanol production from biomass as alternative fuel for spark ignition engine. <b>2016</b> , 6, 14964-14992	56
712	Ethanol fermentation integrated with PDMS composite membrane: An effective process. <b>2016</b> , 200, 648-57	35
711	Pretreatment of fibrous biomass and growth of biosurfactant-producing Bacillus subtilis on biomass-derived fermentable sugars. <b>2016</b> , 39, 105-13	7
710	Biorefinery Alternatives. <b>2016</b> , 53-132	2
709	Alkaline twin-screw extrusion pretreatment of Miscanthus with recycled black liquor at the pilot scale. <b>2016</b> , 164, 322-328	34
708	Supercritical fluid rectification of lignin pyrolysis oil methyl ether (LOME) and its use as a bio-derived aprotic solvent. <b>2016</b> , 18, 2089-2094	10
707	Fungal-mediated consolidated bioprocessing: the potential of Fusarium oxysporum for the lignocellulosic ethanol industry. <b>2016</b> , 6, 13	44
706	Preparation and Hydrolysis of Water-Stable Amorphous Cellulose. <b>2016</b> , 4, 1180-1186	23
7°5	Effect of acid pretreatment on different parts of corn stalk for second generation ethanol production. <b>2016</b> , 206, 86-92	101
704	Enzymatic hydrolysis of chemically pretreated mango stem bark residues at high solid loading. <b>2016</b> , 83, 500-508	17
703	A multi-substrate approach for functional metagenomics-based screening for (hemi)cellulases in two wheat straw-degrading microbial consortia unveils novel thermoalkaliphilic enzymes. <b>2016</b> , 17, 86	41
702	Twenty-two compositional characterizations and theoretical energy potentials of extensively diversified China's crop residues. <b>2016</b> , 100, 238-250	32

701	Pervaporation membrane reactors. <b>2016</b> , 331-381	5
700	Enzymatic Hydrolysis of Pretreated Sugarcane Straw: Kinetic Study and Semi-Mechanistic Modeling. <b>2016</b> , 178, 1430-44	27
699	Review on bioethanol as alternative fuel for spark ignition engines. <b>2016</b> , 56, 820-835	132
698	Life cycle assessment of lignocellulosic biomass pretreatment methods in biofuel production. <b>2016</b> , 21, 44-50	69
697	Functional testing of a PF02458 homologue of putative rice arabinoxylan feruloyl transferase genes in Brachypodium distachyon. <b>2016</b> , 243, 659-74	29
696	Bioreactors for lignocellulose conversion into fermentable sugars for production of high added value products. <b>2016</b> , 100, 597-611	52
695	Solid state fermentation for production of microbial cellulases: Recent advances and improvement strategies. <b>2016</b> , 86, 656-69	157
694	Synthesis of ethylene glycol and terephthalic acid from biomass for producing PET. <b>2016</b> , 18, 342-359	181
693	Engineering the heterotrophic carbon sources utilization range of Ralstonia eutropha H16 for applications in biotechnology. <b>2016</b> , 36, 978-991	38
692	Optimization of a low-cost defined medium for alcoholic fermentationa case study for potential application in bioethanol production from industrial wastewaters. <b>2016</b> , 33, 107-15	11
691	Liquid hot water pretreatment of lignocellulosic biomass for bioethanol production accompanying with high valuable products. <b>2016</b> , 199, 68-75	198
690	Pretreatment and saccharification of red macroalgae to produce fermentable sugars. <b>2016</b> , 199, 311-318	72
689	Combining Ultrasound with Mild Alkaline Solutions as an Effective Pretreatment to Boost the Release of Sugar Trapped in Sugarcane Bagasse for Bioethanol Production. <b>2016</b> , 39, 273-282	21
688	An experimental investigation into the ignition and combustion characteristics of single droplets of biochar water slurry fuels in air. <b>2017</b> , 185, 2160-2167	53
687	Municipal Solid Waste Management in a Low Income Economy Through Biogas and Bioethanol Production. <b>2017</b> , 8, 115-127	15
686	Environmental assessment of the production and addition of bioethanol produced from Eucalyptus globulus to gasoline in Chile. <b>2017</b> , 22, 525-536	3
685	Current Pretreatments of Lignocellulosic Residues in the Production of Bioethanol. 2017, 8, 161-181	44
684	Immobilised cells of Pachysolen tannophilus yeast for ethanol production from crude glycerol. <b>2017</b> , 34, 54-58	31

683	Determination of kinetics and heat of hydrolysis for non-homogenous substrate by isothermal calorimetry. <b>2017</b> , 40, 643-650	2
682	Bioethanol production from renewable sources: Current perspectives and technological progress. <b>2017</b> , 71, 475-501	413
681	A fuel too far? Technology, innovation, and transition in failed biofuel development in Norway. <b>2017</b> , 23, 125-135	21
680	Biotransformation of lignocellulosic materials into value-added products-A review. <b>2017</b> , 98, 447-458	136
679	Microwave heating processing as alternative of pretreatment in second-generation biorefinery: An overview. <b>2017</b> , 136, 50-65	184
678	Bioethanol Production from Alkali-Treated Cotton Stalks at High Solids Loading Applying Non-isothermal Simultaneous Saccharification and Fermentation. <b>2017</b> , 8, 1919-1929	15
677	Production of ethanol from waste paper using immobilized yeasts. <b>2017</b> , 71, 553-561	5
676	Membranes as a tool to support biorefineries: Applications in enzymatic hydrolysis, fermentation and dehydration for bioethanol production. <b>2017</b> , 74, 873-890	55
675	Innovative methods to generate clean sugar stream from biomass feedstocks for efficient fermentation. <b>2017</b> , 40, 633-641	8
674	Feasibility of using kitchen waste as future substrate for bioethanol production: A review. <b>2017</b> , 74, 671-686	88
673	Improvement of xylose recovery from the stalks of oil palm fronds using inorganic salt and oxidative agent. <b>2017</b> , 138, 248-260	45
672	Biofuels and Bioenergy. <b>2017</b> , 79-139	3
671	Application of pretreatment, fermentation and molecular techniques for enhancing bioethanol production from grass biomass [A review. <b>2017</b> , 78, 1007-1032	87
670	Progress in biofuel production from gasification. <i>Progress in Energy and Combustion Science</i> , <b>2017</b> , 61, 189-248	349
669	Pretreatment of corn stover by solid acid for d-lactic acid fermentation. <b>2017</b> , 239, 490-495	47
668	Optimal control of dilute acid pretreatment and enzymatic hydrolysis for processing lignocellulosic feedstock. <b>2017</b> , 56, 100-111	10
667	and characterization of metagenomic soil-derived cellulases capable of hydrolyzing oil palm empty fruit bunch. <b>2017</b> , 15, 55-62	8
666	Enzymatic Activity of Some Industrially-Applied Cellulolytic Enzyme Preparations. <b>2017</b> , 24, 9-18	4

665	Production of Ethanol from Lignocellulosic Biomass. <b>2017</b> , 375-410		12
664	Life cycle assessment of bioethanol production from cattle manure. <b>2017</b> , 162, 1021-1030		28
663	Increase in furfural tolerance by combinatorial overexpression of NAD salvage pathway enzymes in engineered isobutanol-producing E. coli. <b>2017</b> , 245, 1430-1435		27
662	Lignocellulosic biomass pyrolysis mechanism: A state-of-the-art review. <i>Progress in Energy and Combustion Science</i> , <b>2017</b> , 62, 33-86	3.6	1182
661	Engineering tolerance to industrially relevant stress factors in yeast cell factories. 2017, 17,		88
660	Directional liquefaction of biomass for phenolic compounds and in situ hydrodeoxygenation upgrading of phenolics using bifunctional catalysts. <b>2017</b> , 135, 1-13		21
659	Continuous bioethanol fermentation from wheat straw hydrolysate with high suspended solid content using an immersed flat sheet membrane bioreactor. <b>2017</b> , 241, 296-308		32
658	The middle lamella-more than a glue. <b>2017</b> , 14, 015004		43
657	Cost-effective cellulase production using Parthenium hysterophorus biomass as an unconventional lignocellulosic substrate. <b>2017</b> , 7, 12		19
656	The impact of ultrasound pretreatment on the enzymatic hydrolysis of cellulose from sugar beet shreds: Modeling of the experimental results. <b>2017</b> , 36, 1164-1172		14
655	Analysis of the effect of temperature and reaction time on yields, compositions and oil quality in catalytic and non-catalytic lignin solvolysis in a formic acid/water media using experimental design. <b>2017</b> , 234, 86-98		19
654	Intensified Synthesis of Bioethanol from Sustainable Biomass. <b>2017</b> , 251-287		O
653	Integrating starchy substrate into cellulosic ethanol production to boost ethanol titers and yields. <b>2017</b> , 195, 196-203		37
652	Genome engineering for breaking barriers in lignocellulosic bioethanol production. <b>2017</b> , 74, 1080-1107		26
651	Technological Advancements in Sustainable Production of Second Generation Ethanol Development: An Appraisal and Future Directions. <b>2017</b> , 299-336		4
650	Quantitative analysis of adsorption and desorption behavior of individual cellulase components during the hydrolysis of lignocellulosic biomass with the addition of lysozyme. <b>2017</b> , 234, 150-157		11
649	Construction of a novel d-lactate producing pathway from dihydroxyacetone phosphate of the Calvin cycle in cyanobacterium, Synechococcus elongatus PCC 7942. <b>2017</b> , 124, 54-61		20
648	Role of Nanoparticles in Enzymatic Hydrolysis of Lignocellulose in Ethanol. <b>2017</b> , 153-171		3

647	Production of bioethanol by Zymomonas mobilis in high-gravity extractive fermentations. <b>2017</b> , 102, 123-135	31
646	Simultaneous delignification and saccharification of rice straw as a lignocellulosic biomass by immobilized Thrichoderma viride sp. to enhance enzymatic sugar production. <b>2017</b> , 104, 88-95	17
645	Influence of pretreatment severity on structural changes, lignin content and enzymatic hydrolysis of sugarcane bagasse samples. <b>2017</b> , 104, 271-280	59
644	Lignocellulose-Biorefinery: Ethanol-Focused. <b>2019</b> , 166, 177-215	11
643	When 2nd generation biofuel meets water I he water solubility and phase stability issue. <b>2017</b> , 209, 615-623	17
642	Energetic shift of sugarcane bagasse using biogas produced from sugarcane vinasse in Brazilian ethanol plants. <b>2017</b> , 107, 63-73	16
641	Bioenergy and carbon capture with storage (BECCS): the prospects and challenges of an emerging climate policy response. <b>2017</b> , 7, 527-534	30
640	Accessing the HMF Derivatives from Furfural Acetate through Oxidative Carbonylation. <b>2017</b> , 2, 7096-7099	7
639	Combustion characteristics and retention-emission of selenium during co-firing of torrefied biomass and its blends with high ash coal. <b>2017</b> , 245, 73-80	41
638	Evaluation of Different Pretreatment Processes of Lignocellulosic Biomass for Enhanced Biomethane Production. <b>2017</b> , 31, 10335-10347	46
637	Improved Genetic Transformation of Sugarcane (Saccharum spp.) Embryogenic Callus Mediated by Agrobacterium tumefaciens. <b>2017</b> , 2, 221-239	10
636	Group Additivity Determination for Oxygenates, Oxonium lons, and Oxygen-Containing Carbenium lons. <b>2017</b> , 56, 10259-10270	6
635	Application potential of a carbocation scavenger in autohydrolysis and dilute acid pretreatment to overcome high softwood recalcitrance. <b>2017</b> , 105, 164-173	11
634	Novel multidimensional carbons from structural transformations of waste lignin: A low temperature pyrolysis investigation. <b>2017</b> , 166, 312-321	18
633	The freezing pre-treatment of lignocellulosic material: A cheap alternative for Nordic countries. <b>2017</b> , 139, 1-7	30
632	The Ways of Factors Influencing High-Solid Enzymatic Hydrolysis of Sugarcane Bagasse Treated by Liquid Hot Water. <b>2017</b> , 2, 6240-6244	2
631	Development of a bifunctional xylanase-cellulase chimera with enhanced activity on rice and barley straws using a modular xylanase and an endoglucanase procured from camel rumen metagenome. <b>2017</b> , 101, 6929-6939	15
630	Enzymatic saccharification and liquid state fermentation of hydrothermal pretreated Tunisian Luffa cylindrica (L.) fibers for cellulosic bioethanol production. <b>2017</b> , 114, 1209-1213	5

## (2017-2017)

629	Production of Enzymes From Agricultural Wastes and Their Potential Industrial Applications. <b>2017</b> , 80, 125-148	48
628	Preparing bioethanol from oat hulls pretreated with a dilute nitric acid: Scaling of the production process on a pilot plant. <b>2017</b> , 9, 257-263	4
627	Inhibitory effect of 5-hydroxymethylfurfural on continuous hydrogen fermentation by mixed culture in a fixed bed reactor. <b>2017</b> , 42, 27570-27576	21
626	Cobalt hydroxide nanoflakes and their application as supercapacitors and oxygen evolution catalysts. <b>2017</b> , 28, 375401	25
625	Two-steps microwave-assisted treatment on acid hydrolysis of sago pith for bioethanol production. <b>2017</b> , 65, 012052	2
624	Increased lignocellulosic inhibitor tolerance of cell populations in early stationary phase. <b>2017</b> , 10, 114	16
623	Impact of RAV1-engineering on poplar biomass production: a short-rotation coppice field trial. <b>2017</b> , 10, 110	8
622	Pilot-scale steam explosion pretreatment with 2-naphthol to overcome high softwood recalcitrance. <b>2017</b> , 10, 130	11
621	Combustion of thermochemically torrefied sugar cane bagasse. <b>2017</b> , 223, 202-209	29
	The Office the Control of the Lorentz and the ONE of the University Control of the Control of th	
620	Identification of strain isolated from dates (PhBix dactylifera L.) for enhancing very high gravity ethanol production. <b>2017</b> , 24, 9886-9894	9
620 619		9
	ethanol production. <b>2017</b> , 24, 9886-9894	
619	ethanol production. <b>2017</b> , 24, 9886-9894  Biomass production for bioenergy using marginal lands. <b>2017</b> , 9, 3-21	104
619 618	ethanol production. 2017, 24, 9886-9894  Biomass production for bioenergy using marginal lands. 2017, 9, 3-21  Solid State Fermentation for Production of Microbial Cellulases. 2017, 43-79  Chemical torrefaction as an alternative to established thermal technology for stabilisation of sugar	104 10
619 618 617	ethanol production. 2017, 24, 9886-9894  Biomass production for bioenergy using marginal lands. 2017, 9, 3-21  Solid State Fermentation for Production of Microbial Cellulases. 2017, 43-79  Chemical torrefaction as an alternative to established thermal technology for stabilisation of sugar cane bagasse as fuel. 2017, 38, 1638-1643	104
619 618 617 616	Biomass production for bioenergy using marginal lands. 2017, 9, 3-21  Solid State Fermentation for Production of Microbial Cellulases. 2017, 43-79  Chemical torrefaction as an alternative to established thermal technology for stabilisation of sugar cane bagasse as fuel. 2017, 38, 1638-1643  Acido-basicity of lanthana/alumina catalysts and their activity in ethanol conversion. 2017, 200, 458-468	104 10 2 36
619 618 617 616 615	Biomass production for bioenergy using marginal lands. 2017, 9, 3-21  Solid State Fermentation for Production of Microbial Cellulases. 2017, 43-79  Chemical torrefaction as an alternative to established thermal technology for stabilisation of sugar cane bagasse as fuel. 2017, 38, 1638-1643  Acido-basicity of lanthana/alumina catalysts and their activity in ethanol conversion. 2017, 200, 458-468  Cellulose, xylan and lignin interactions during pyrolysis of lignocellulosic biomass. 2017, 191, 140-149  Volumetric oxygen transfer coefficient as a means of improving volumetric ethanol productivity	104 10 2 36 200

611	High-Titer Methane from Organosolv-Pretreated Spruce and Birch. 2017, 10, 263	18
610	Composition of Lignin-to-Liquid Solvolysis Oils from Lignin Extracted in a Semi-Continuous Organosolv Process. <b>2017</b> , 18,	13
609	Development of Synthetic Microbial Platforms to Convert Lignocellulosic Biomass to Biofuels. <b>2017</b> , 2, 233-278	5
608	Optimization of Hydrothermal and Diluted Acid Pretreatments of Tunisian (L.) Fibers for 2G Bioethanol Production through the Cubic Central Composite Experimental Design CCD: Response Surface Methodology. <b>2017</b> , 2017, 9524521	6
607	Effect of inhibitors on ethanol production by Pichia stipitis in a complex culture media. <b>2017</b> , 39, 223	3
606	Production of highly efficient cellulase mixtures by genetically exploiting the potentials of Trichoderma reesei endogenous cellulases for hydrolysis of corncob residues. <b>2017</b> , 16, 207	26
605	Predicting the most appropriate wood biomass for selected industrial applications: comparison of wood, pulping, and enzymatic treatments using fluorescent-tagged carbohydrate-binding modules. <b>2017</b> , 10, 293	19
604	Conversion of lignocellulose from palm (Elaeis guineensis) fruit fibre and physic (Jatropha curcas) nut shell into bio-oil. <b>2017</b> , 16, 2167-2180	4
603	Value Chain Structures that Define European Cellulosic Ethanol Production. 2017, 9, 118	17
602	Assessment of Natural Deep Eutectic Solvent Pretreatment on Sugar Production from Lignocellulosic Biomass. <b>2018</b> , 152, 01014	10
601	Transglycosylation: A Key Reaction to Access Alkylpolyglycosides from Lignocellulosic Biomass. <b>2018</b> , 11, 1395-1409	14
600	Microwave irradiation with dilute acid hydrolysis applied to enhance the saccharification rate of water hyacinth (Eichhornia crassipes). <b>2018</b> , 125, 511-517	9
599	Integrated bioethanol production from mixtures of corn and corn stover. <b>2018</b> , 258, 18-25	40
598	Effect of Urea on the Enzymatic Hydrolysis of Lignocellulosic Substrate and Its Mechanism. <b>2018</b> , 11, 456-465	13
597	Reactive nitrogen: A perspective on its global impact and prospects for its sustainable production. <b>2018</b> , 15, 35-48	14
596	Enhanced saccharification of rice straw using combined ultra-high pressure and ionic liquid microemulsion pretreatments. <b>2018</b> , 8, 208	5
595	Ethanol production from acid-pretreated and detoxified rice straw as sole renewable resource. <b>2018</b> , 8, 607-619	24
594	De-construction of major Indian cereal crop residues through chemical pretreatment for improved biogas production: An overview. <b>2018</b> , 90, 160-170	57

593	Bioreactor design for enzymatic hydrolysis of biomass under the biorefinery concept. <b>2018</b> , 347, 119-136	87
592	Chemoenzymatic lignin valorization: Production of epoxidized pre-polymers using Candida antarctica lipase B. <b>2018</b> , 112, 6-13	12
591	Quantitative lipidomic insights in the inhibitory response of Pichia stipitis to vanillin, 5-hydroxymethylfurfural, and acetic acid. <b>2018</b> , 497, 7-12	3
590	An integrated process for xylooligosaccharide and bioethanol production from corncob. <b>2018</b> , 256, 399-407	56
589	Influence of vanadate structure and support identity on catalytic activity in the oxidative cleavage of methyl ketones. <b>2018</b> , 359, 171-183	21
588	didogenic fermentation of wheat straw after chemical and microbial pretreatment for biofuel applications. <b>2018</b> , 160, 509-517	13
587	Products of sugar beet processing as raw materials for chemicals and biodegradable polymers <b>2018</b> , 8, 3161-3177	51
586	Ethanol as a vehicle fuel in China: A review from the perspectives of raw material resource, vehicle, and infrastructure. <b>2018</b> , 180, 832-845	44
585	Transcriptional Response to Lactic Acid Stress in the Hybrid Yeast Zygosaccharomyces parabailii. <b>2018</b> , 84,	11
584	Indian Agro-wastes for 2G Biorefineries: Strategic Decision on Conversion Processes. <b>2018</b> , 353-373	9
583	Modified simultaneous saccharification and fermentation to enhance bioethanol titers and yields. <b>2018</b> , 215, 647-654	19
582	Insect Gut Bacteria and Their Potential Application in Degradation of Lignocellulosic Biomass: A Review. <b>2018</b> , 277-299	5
581	Mucoralean fungi for sustainable production of bioethanol and biologically active molecules. <b>2018</b> , 102, 1097-1117	26
580	Enhanced reducing sugar production by saccharification of lignocellulosic biomass, Pennisetum species through cellulase from a newly isolated Aspergillus fumigatus. <b>2018</b> , 253, 262-272	37
579	Chemicals from lignin: an interplay of lignocellulose fractionation, depolymerisation, and upgrading. <b>2018</b> , 47, 852-908	1125
578	Assessing the effect of d-xylose on the sugar signaling pathways of Saccharomyces cerevisiae in strains engineered for xylose transport and assimilation. <b>2018</b> , 18,	21
577	Continuous fermentation of xylose to short chain fatty acids by Lactobacillus buchneri under low pH conditions. <b>2018</b> , 337, 764-771	10
576	Study on the preparation and production factors of a direct lignocellulose biomass fuel cell. <b>2018</b> , 810, 55-61	6

575	Agro-industrial wastes and their utilization using solid state fermentation: a review. 2018, 5,	390
574	Bio ethanol from sewage sludge: A bio fuel alternative. <b>2018</b> , 25, 123-127	9
573	Atmospheric hydrodeoxygenation of bio-oil oxygenated model compounds: A review. <b>2018</b> , 133, 117-127	43
572	A study of ethanol conversion over zinc aluminate catalyst. <b>2018</b> , 124, 503-522	9
571	Bio-based liquid fuels as a source of renewable energy: A review. <b>2018</b> , 88, 82-98	57
570	Conversion of Biomass and Its Derivatives to Levulinic Acid and Levulinate Esters via Ionic Liquids. <b>2018</b> , 57, 4749-4766	53
569	Techno-economic analysis of butanol production from lignocellulosic biomass by concentrated acid pretreatment and hydrolysis plus continuous fermentation. <b>2018</b> , 134, 30-43	43
568	High-performance of Agaricus blazei fungus for the biological pretreatment of elephant grass. <b>2018</b> , 34, 42-50	2
567	Studies to optimize the process of biofuel production from castor stalk. <b>2018</b> , 90, 271-284	
566	An integrated approach for pineapple waste valorisation. Bioethanol production and bromelain extraction from pineapple residues. <b>2018</b> , 172, 1224-1231	64
565	Biobutanol production using pea pod waste as substrate: Impact of drying on saccharification and fermentation. <b>2018</b> , 117, 520-529	40
564	Production of free fatty acids from switchgrass using recombinant Escherichia coli. <b>2018</b> , 34, 91-98	4
563	Bio-based products from xylan: A review. <b>2018</b> , 179, 28-41	150
562	Conversion of Sago (Metroxylon sagu) Pith Waste to Fermentable Sugars via a Facile Depolymerization Process. <b>2018</b> , 184, 1142-1154	1
561	Lignocellulosic biorefinery as a model for sustainable development of biofuels and value added products. <b>2018</b> , 247, 1144-1154	243
560	Production and application of ABE as a biofuel. <b>2018</b> , 82, 1195-1214	57
559	Quantification of nitrogen in the liquid fraction and in vitro assessment of lysine bioavailability in the solid fraction of soybean meal hydrolysates. <b>2018</b> , 53, 12-17	1
558	Metabolic engineering and enzyme-mediated processing: A biotechnological venture towards biofuel production [A review. <b>2018</b> , 82, 436-447	50

### (2018-2018)

557	Metabolic Engineering of Escherichia coli K12 for Homofermentative Production of L-Lactate from Xylose. <b>2018</b> , 184, 703-715	O
556	Potential of biomass for bioenergy in Pakistan based on present case and future perspectives. <b>2018</b> , 81, 1247-1258	92
555	Solid-State Treatment of Castor Cake Employing the Enzymatic Cocktail Produced from Pleurotus djamor Fungi. <b>2018</b> , 185, 434-449	2
554	Challenges and opportunities of lignocellulosic biomass for anaerobic digestion. <b>2018</b> , 130, 164-174	176
553	Operational Strategies for Enzymatic Hydrolysis in a Biorefinery. <b>2018</b> , 223-248	13
552	Simultaneous Saccharification and Fermentation of Lignocellulosic Biomass. 2018, 265-285	9
551	Production of arabitol from enzymatic hydrolysate of soybean flour by Debaryomyces hansenii fermentation. <b>2018</b> , 102, 641-653	20
550	Integrated bioethanol production to boost low-concentrated cellulosic ethanol without sacrificing ethanol yield. <b>2018</b> , 250, 299-305	29
549	Cereal Grain Fractions as Potential Sources of Prebiotics. 2018, 173-191	5
548	Effects of pyrolysis temperature on the physicochemical properties of gas and biochar obtained from pyrolysis of crop residues. <b>2018</b> , 143, 746-756	83
547	Valorization of coffee byproducts for bioethanol production using lignocellulosic yeast fermentation and pervaporation. <b>2018</b> , 15, 821-832	13
546	Inhibitory Effect of Additives on Cellulase Adsorption Mediated by Hydrophobic Interaction. <b>2018</b> , 61, 357-360	1
545	A comparative study of the enzymatic hydrolysis of batch organosolv-pretreated birch and spruce biomass. <b>2018</b> , 8, 114	11
544	Bioprospecting thermophilic glycosyl hydrolases, from hot springs of Himachal Pradesh, for biomass valorization. <b>2018</b> , 8, 168	6
543	Synergistic Treatment Strategy for Efficient Release of Reducing Sugar from Orange Peel during Acid and Enzymatic Treatment Process. <b>2018</b> ,	
542	Nanocellulose, a Versatile Green Platform: From Biosources to Materials and Their Applications. <b>2018</b> , 118, 11575-11625	578
541	Ethanol production from sugarcane bagasse by fed-batch simultaneous saccharification and fermentation at high solids loading. <b>2018</b> , 6, 810-818	17
540	Impact of Alkaline HDIPretreatment on Methane Generation Potential of Greenhouse Crop Waste under Anaerobic Conditions. <b>2018</b> , 23,	13

Aminopeptidase Modified Hydrolytic Enzymes to Improve the Efficiency of Sugar Production from 539 Alkaline Pretreated Switchgrass. 2018, 13, Simultaneous consumption of cellobiose and xylose by to circumvent glucose repression and 538 6 identification of its cellobiose-assimilating operons. 2018, 11, 320 Bioenergy and Sustainable Agriculture. 2018, 311-329 537  $\circ$ 1-Aminocyclopropane-1-carboxylic acid deaminase producing beneficial rhizobacteria ameliorate 536 49 the biomass characters of Panicum maximum Jacq. by mitigating drought and salt stress. 2018, 8, 17513 Sodium Acetate Responses in and the Ubiquitin Ligase Rsp5. 2018, 9, 2495 535 4 Xylo-oligosaccharides enriched yeast protein feed production from reed sawdust. 2018, 270, 738-741 6 534 Recovery of Furfural and Acetic Acid from Wood Hydrolysates in Biotechnological Downstream 5 533 Processing. **2018**, 41, 2331-2336 Microbial Cellulases: Role in Second-Generation Ethanol Production. 2018, 167-187 532 3 Effect of EGR dilution on combustion, performance and emission characteristics of a diesel engine 531 59 fueled with n-pentanol and 2-ethylhexyl nitrate additive. 2018, 176, 246-255 Bioethanol Production from Renewable Biomass by Yeast. 2018, 427-448 530 Physico-chemical characterization of pedigreed sorghum mutant stalks for biofuel production. 529 13 2018, 124, 806-811 Ethanol and diethyl ether catalytic conversion over commercial alumina and lanthanum-doped 528 30 alumina: Reaction paths, catalyst structure and coking. **2018**, 236, 490-500 Effect of stepwise lignin removal on the enzymatic hydrolysis and cellulase adsorption. 2018, 122, 16-22 527 23 Oil palm empty fruit bunches as a promising feedstock for bioethanol production in Malaysia. 2018, 526 62 129, 285-298 Omics Approaches in Biofuel Technologies: Toward Cost Effective, Eco-Friendly, and Renewable 525 2 Energy. 2018, 337-351 Diffusion-based reverse membrane bioreactor for simultaneous bioconversion of high-inhibitor 524 xylose-glucose media. **2018**, 72, 23-30 Logistics of Lignocellulosic Feedstocks: Preprocessing as a Preferable Option. 2019, 166, 43-68 523

Ionic Liquid Stable Cellulases and Hemicellulases: Application in Biobased Production of Biofuels.

2018, 505-532

522

521	Statistical modeling and optimization of pretreatment of Bombax ceiba with KOH through BoxlBehnken design of response surface methodology. <b>2018</b> , 40, 1114-1124	6
520	Liquefaction of poplar biomass for value-added platform chemicals. <b>2018</b> , 25, 4663-4675	8
519	Solid State Fermentation IA Stimulating Process for Valorization of Lignocellulosic Feedstocks to Biofuel. <b>2018</b> , 239-262	
518	Pre-Treatment of Lignocellulose for the Production of Biofuels. <b>2018</b> , 307-350	2
517	Cellulose Nanocrystals for Health Care Applications. <b>2018</b> , 415-459	12
516	Combination of Superheated Steam with Laccase Pretreatment Together with Size Reduction to Enhance Enzymatic Hydrolysis of Oil Palm Biomass. <b>2018</b> , 23,	8
515	Determination of optimal biomass pretreatment strategies for biofuel production: investigation of relationships between surface-exposed polysaccharides and their enzymatic conversion using carbohydrate-binding modules. <b>2018</b> , 11, 144	19
514	Selection, engineering, and expression of microbial enzymes. <b>2018</b> , 1-29	2
513	Exergy Analysis of an Extractive Distillation Column for Reducing Energy Consumption in a Bioethanol Production Process. <b>2018</b> , 513-518	2
512	UFV1 -glucosidases: purification, characterization, and application for biomass saccharification. <b>2018</b> , 11, 226	9
511	Nanotechnology-Based Developments in Biofuel Production: Current Trends and Applications. <b>2018</b> , 289-305	1
510	Valorization of By-Products Following the Biorefinery Concept. <b>2018,</b> 163-178	
	Valorization of By Froducts Following the Biotermery concept. 2010, 103 170	5
509	Direct Cellulase Gene Amplification From Hot Spring Using the Guidance of 16S rRNA Amplicon Metagenomics. <b>2018</b> , 309-325	5 1
509	Direct Cellulase Gene Amplification From Hot Spring Using the Guidance of 16S rRNA Amplicon	
	Direct Cellulase Gene Amplification From Hot Spring Using the Guidance of 16S rRNA Amplicon Metagenomics. <b>2018</b> , 309-325	1
508	Direct Cellulase Gene Amplification From Hot Spring Using the Guidance of 16S rRNA Amplicon Metagenomics. 2018, 309-325  The Role of Actinobacteria in the Production of Industrial Enzymes. 2018, 165-177  Hydrothermal dewatering of low-rank coals: Influence on the properties and combustion	1 8
508	Direct Cellulase Gene Amplification From Hot Spring Using the Guidance of 16S rRNA Amplicon Metagenomics. 2018, 309-325  The Role of Actinobacteria in the Production of Industrial Enzymes. 2018, 165-177  Hydrothermal dewatering of low-rank coals: Influence on the properties and combustion characteristics of the solid products. 2018, 158, 1192-1203	1 8 30

503	Algae biorefinery: Review on a broad spectrum of downstream processes and products. <b>2019</b> , 292, 121964	86
502	Xylose-glucose co-fermentation to ethanol by Escherichia coli strain MS04 using single- and two-stage continuous cultures under micro-aerated conditions. <b>2019</b> , 18, 145	11
501	Alkaline Active Hemicellulases. <b>2020</b> , 172, 245-291	3
500	Microbial delignification and hydrolysis of lignocellulosic biomass to enhance biofuel production: an overview and future prospect. <b>2019</b> , 43,	46
499	Cerium Oxide Catalyzes the Selective Vapor-Phase Hydrodeoxygenation of Anisole to Benzene at Ambient Pressures of Hydrogen. <b>2019</b> , 58, 14603-14607	3
498	Resurrection of efficient Precambrian endoglucanases for lignocellulosic biomass hydrolysis. <b>2019</b> , 2,	11
497	Hemicellulose based biorefinery from pineapple peel waste: Xylan extraction and its conversion into xylooligosaccharides. <b>2019</b> , 117, 38-50	46
496	Modification of microcrystalline cellulose structural properties by ball-milling and ionic liquid treatments and their correlation to enzymatic hydrolysis rate and yield. <b>2019</b> , 26, 7323-7335	17
495	Lignocellulosic biomass from agro-industrial residues in South America: current developments and perspectives. <b>2019</b> , 13, 1505-1519	27
494	pH-responsive lignin-based magnetic nanoparticles for recovery of cellulase. <b>2019</b> , 294, 122133	21
493	Identification of Superior Cellulose Microbes Producer for Bioethanol Production. 2019, 309, 012023	
492	Species-wide Metabolic Interaction Network for Understanding Natural Lignocellulose Digestion in Termite Gut Microbiota. <b>2019</b> , 9, 16329	18
491	Bioprocessing of Cassava Stem to Bioethanol Using Soaking in Aqueous Ammonia Pretreatment. <b>2019</b> , 429-441	2
490	Diversity of cellulase- and xylanase-producing filamentous fungi from termite mounds. <b>2019</b> , 10, 15-29	2
489	Bioethanol production from woody stem Prosopis juliflora using thermo tolerant yeast Kluyveromyces marxianus and its kinetics studies. <b>2019</b> , 293, 122060	26
488	A subcritical pretreatment improved by self-produced organic acids to increase xylose yield. <b>2019</b> , 195, 106148	8
487	Xylose utilization stimulates mitochondrial production of isobutanol and 2-methyl-1-butanol in. <b>2019</b> , 12, 223	21
486	Process integration for ethanol production from corn and corn stover as mixed substrates. <b>2019</b> , 279, 10-16	34

#### (2019-2019)

485	Lignocellulosic biomass for bioethanol: an overview on pretreatment, hydrolysis and fermentation processes. <b>2019</b> , 34, 57-68	57
484	Nutrient recycling for sustainable production of algal biofuels. <b>2019</b> , 109-133	7
483	Recent advances in biological pretreatment of microalgae and lignocellulosic biomass for biofuel production. <b>2019</b> , 105, 105-128	197
482	Microwave assisted acid hydrolysis for bioethanol fuel production from sago pith waste. <b>2019</b> , 86, 80-86	21
481	Lignocellulolytic characterization and comparative secretome analysis of a Trichoderma erinaceum strain isolated from decaying sugarcane straw. <b>2019</b> , 123, 330-340	4
480	Isolation and evaluation of xylose-fermenting thermotolerant yeasts for bioethanol production. <b>2019</b> , 1-10	7
479	Increase of reducing sugars release by enzymatic hydrolysis of sugarcane bagasse intensified by ultrasonic treatment. <b>2019</b> , 122, 481-489	8
478	Genome-wide association analysis of stalk biomass and anatomical traits in maize. <b>2019</b> , 19, 45	39
477	Bioconversion of sugarcane bagasse and dry spent yeast to ethanol through a sequential process consisting of solid-state fermentation, hydrolysis, and submerged fermentation. <b>2019</b> , 150, 107284	11
476	Socioeconomic impacts of biofuel production from lignocellulosic biomass. <b>2019</b> , 347-366	2
475	Cellulase recycling in high-solids enzymatic hydrolysis of pretreated empty fruit bunches. <b>2019</b> , 12, 138	24
474	Exploring the xylose paradox in Saccharomyces cerevisiae through in vivo sugar signalomics of targeted deletants. <b>2019</b> , 18, 88	18
473	Characterisation of dissolved organic matter in fermentation industry effluents and comparison with model compounds. <b>2019</b> , 234, 630-639	6
472	Ethanol production from date wastes: Adapted technologies, challenges, and global potential. <b>2019</b> , 143, 1094-1110	27
471	Evolution toward the utilization of mango leaves as lignocellulosic material in bioethanol production: A review of process parameter and integrated technologies. <b>2019</b> , 38, e13233	3
470	Liquid biofuels from the organic fraction of municipal solid waste: A review. <b>2019</b> , 110, 298-314	56
469	Bioethanol production from waste lignocelluloses: A review on microbial degradation potential. <b>2019</b> , 231, 588-606	75
468	Genetic Engineering Applications to Improve Cellulase Production and Efficiency: Part II. <b>2019</b> , 227-260	1

467	Ethanol production by simultaneous saccharification and cofermentation of pretreated corn stalk. <b>2019</b> , 59, 744-753	13
466	Potentials and challenges in lignocellulosic biofuel production technology. <b>2019</b> , 111, 44-56	112
465	Regulation and production of lignocellulolytic enzymes from Trichoderma reesei for biofuels production. <b>2019</b> , 4, 79-119	14
464	Biofuel Cells With Enzymes as a Catalyst. <b>2019</b> , 261-282	1
463	Multi-products co-production improves the economic feasibility of cellulosic ethanol: A case of Formiline pretreatment-based biorefining. <b>2019</b> , 250, 229-244	21
462	Synergistic effects of low-/medium-vacuum carbonization on physico-chemical properties and stability characteristics of biochars. <b>2019</b> , 373, 44-57	20
461	Genetic Modification of Biomass to Alter Lignin Content and Structure. <b>2019</b> , 58, 16190-16203	7
460	Role of Compositional Analysis of Lignocellulosic Biomass for Efficient Biofuel Production. <b>2019</b> , 29-43	3
459	Cost Economy Analysis of Biomass-Based Biofuel Production. <b>2019</b> , 1-10	2
458	Nutrient and Carbon Recovery from Organic Wastes. <b>2019</b> , 351-373	3
457	Simple and facile preparation of lignosulfonate-based composite nanoparticles with tunable morphologies: From sphere to vesicle. <b>2019</b> , 135, 64-71	15
456	Characterization of Performance of Short Stroke Engines with Valve Timing for Blended Bioethanol Internal Combustion. <b>2019</b> , 12, 759	6
455	Cascade Utilization of Biomass: Strategy for Conversion of Cellulose, Hemicellulose, and Lignin into Useful Chemicals. <b>2019</b> , 7, 10445-10451	28
454	Experimental study of the spray, combustion, and emission performance of a diesel engine with high n-pentanol blending ratios. <b>2019</b> , 194, 1-10	56
453	Sugarcane bagasse as a novel low/no cost organic carbon source for growth of Chlorella sp. BR2. <b>2019</b> , 1-7	6
452	Comparative Study of Cellulase Production Using Submerged and Solid-State Fermentation. <b>2019</b> , 37-52	1
451	Lignocellulose Structure and the Effect on Nanocellulose Production. <b>2019</b> , 17-30	2
450	Optimization of microwave and NaOH pretreatments of wheat straw for enhancing biofuel yield. <b>2019</b> , 186, 82-92	55

#### (2019-2019)

449	Two-stage steam explosion pretreatment of softwood with 2-naphthol as carbocation scavenger. <b>2019</b> , 12, 37	10
448	Experimental characterization of selected Nigerian lignocellulosic biomasses in bioethanol production. <b>2019</b> , 1-9	3
447	A yeast metabolome-based model for an ecotoxicological approach in the management of lignocellulosic ethanol stillage. <b>2019</b> , 6, 180718	4
446	Microalgae: the next best alternative to fossil fuels after biomass. A review. <b>2019</b> , 10,	19
445	Waste paper to bioethanol: Current and future prospective. <b>2019</b> , 13, 1106-1118	9
444	Development of novel processes for the aqueous extraction of natural rubber from Taraxacum kok-saghyz (TK). <b>2019</b> , 94, 2452-2464	6
443	From sugars to ethanolfrom agricultural wastes to algal sources: An overview. <b>2019</b> , 3-34	4
442	Hydrolysis: From cellulose and hemicellulose to simple sugars. <b>2019</b> , 213-240	7
441	Biofuels from agricultural wastes. <b>2019</b> , 103-142	19
440	Lignocellulosic Biomass for Bioethanol Production Through Microbes: Strategies to Improve Process Efficiency. <b>2019</b> , 357-386	3
439	The Economic Feasibility of the Valorization of Water Hyacinth for Bioethanol Production. <b>2019</b> , 11, 905	12
438	Nutritional Ingredients and Active Compositions of Defatted Rice Bran. <b>2019</b> , 247-270	1
437	Investigation on Conversion Pathways in Degradative Solvent Extraction of Rice Straw by Using Liquid Membrane-FTIR Spectroscopy. <b>2019</b> , 12, 528	1
436	The costs of sugar production from different feedstocks and processing technologies. <b>2019</b> , 13, 723-739	24
435	Ultrafine grinding of poplar biomass: effect of particle morphology on the liquefaction of biomass for methyl glycosides and phenolics. <b>2019</b> , 26, 3685-3701	7
434	Thermal properties enhancement of poly(lactic acid) by corn cob cellulose nanocrystals. <b>2019</b> , 10, 63-76	5
433	Advanced Hardwood Biofuels Northwest: Commercialization Challenges for the Renewable Aviation Fuel Industry. <b>2019</b> , 9, 4644	2
432	Preliminary study to determine the glucose levels in cassava peel waste (Manihot esculenta Crantz) as a result of enzymatic activities of fungi Aspergillus fumigatus. <b>2019</b> , 1402, 022103	O

431	Heterologous expression and functional characterization of a GH10 endoxylanase from var. with potential biotechnological application. <b>2019</b> , 24, e00382	9
430	Bioethanol from Waste IProspects and Challenges of Current and Emerging Technologies. <b>2019</b> , 421-456	
429	Ethanol for Food or Transportation. <b>2019</b> , 103-129	
428	Lignocellulosic Ethanol: Feedstocks and Bioprocessing. <b>2019</b> , 165-185	6
427	Forest Bioresources for Bioethanol and Biodiesel Production With Emphasis on Mohua (Madhuca latifolia L.) Flowers and Seeds. <b>2019</b> , 233-247	3
426	Recycling solvent system in phosphoric acid plus hydrogen peroxide pretreatment towards a more sustainable lignocellulose biorefinery for bioethanol. <b>2019</b> , 275, 19-26	16
425	Strategies for scaling-up packed-bed bioreactors for solid-state fermentation: The case of cellulolytic enzymes production by a thermophilic fungus. <b>2019</b> , 361, 1142-1151	30
424	Second Generation Bioethanol Production: On the Use of Pulp and Paper Industry Wastes as Feedstock. <b>2019</b> , 5, 4	69
423	Kinetic modeling and optimization of parameters for biomass pyrolysis: A comparison of different lignocellulosic biomass. <b>2019</b> , 41, 1690-1700	4
422	Transcriptome and metabolome analysis of Pichia stipitis to three representative lignocellulosic inhibitors. <b>2019</b> , 201, 581-589	9
421	Cellulase stimulation during biodegradation of lignocellulosic residues at increased biomass loading. <b>2019</b> , 37, 261-267	4
420	Microbial production of d-lactic acid from dried distiller's grains with solubles. <b>2019</b> , 19, 21-30	11
419	Sustainable biosynthesis of curdlan from orange waste by using Alcaligenes faecalis: A systematically modeled approach. <b>2019</b> , 205, 626-635	25
418	Harnessing the potential of bio-ethanol production from lignocellulosic biomass in Nigeria <b>La</b> review. <b>2019</b> , 13, 192-207	13
417	Dissolution of cellulose in ionic liquid and water mixtures as revealed by molecular dynamics simulations. <b>2019</b> , 37, 3987-4005	16
416	Application of nanoparticles in biofuels: An overview. <b>2019</b> , 237, 380-397	173
415	Emerging Trends of Microorganism in the Production of Alternative Energy. <b>2019</b> , 275-305	8
414	Reasons for processing of rice coproducts: Reality and expectations. <b>2019</b> , 120, 240-256	27

## (2020-2019)

413	Current status and future trends of bioethanol production from agro-industrial wastes in Mexico. <b>2019</b> , 102, 63-74	81
412	Target-Oriented Fuel Design for the Homogeneous Charge Autoignition Combustion Mode: A Case Study of a n-HeptanePODE3Ethanol Mixture. 2. Identification of a Functional Configuration of Fuel Components. <b>2019</b> , 33, 31-49	2
411	Enzyme systems for effective dag removal from cattle hides. <b>2019</b> , 59, 1387	3
410	Separate and simultaneous saccharification and fermentation of a pretreated mixture of lignocellulosic biomass for ethanol production. <b>2019</b> , 10, 61-72	15
409	Continuous production of bioethanol from sugarcane bagasse and downstream purification using membrane integrated bioreactor. <b>2019</b> , 331, 68-77	21
408	Choice of Pretreatment Technology for Sustainable Production of Bioethanol from Lignocellulosic Biomass: Bottle Necks and Recommendations. <b>2019</b> , 10, 1693-1709	39
407	Lignocellulosic bioethanol production: prospects of emerging membrane technologies to improve the process 🖪 critical review. <b>2020</b> , 36, 333-367	41
406	A study of ethanol dehydrogenation to acetaldehyde over copper/zinc aluminate catalysts. <b>2020</b> , 354, 167-175	25
405	Process Optimisation of Enzymatic Saccharification of Soaking Assisted and Thermal Pretreated Cassava Peels Waste for Bioethanol Production. <b>2020</b> , 11, 2409-2420	15
404	Biochemical Properties of Carbohydrate-Active Enzymes Synthesized by Penicillium chrysogenum Using Corn Straw as Carbon Source. <b>2020</b> , 11, 2455-2466	5
403	Dilute acid pretreatment of pine needles of Pinus roxburghii by response surface methodology for bioethanol production by separate hydrolysis and fermentation. <b>2020</b> , 10, 95-106	13
402	Effect of Different Types of Thermochemical Pretreatment on the Enzymatic Hydrolysis and the Composition of Hazelnut Shells. <b>2020</b> , 11, 3739-3748	12
401	Second-Generation Bioethanol: Advancement of Ethanologenic Microorganisms Toward Industrial Production. <b>2020</b> , 61-79	1
400	Review: Bio-polyethylene from Wood Wastes. <b>2020</b> , 28, 1-16	17
399	Low temperature ionic liquid pretreatment of lignocellulosic biomass to enhance bioethanol yield. <b>2020</b> , 145, 1808-1816	62
398	Biohydrogen production using xylose or xylooligosaccharides derived from sugarcane bagasse obtained by hydrothermal and acid pretreatments. <b>2020</b> , 146, 2408-2415	14
397	Current perspective on pretreatment technologies using lignocellulosic biomass: An emerging biorefinery concept. <b>2020</b> , 199, 106244	203
396	Optimization of low-temperature energy-efficient pretreatment for enhanced saccharification and fermentation of Conocarpus erectus leaves to produce ethanol using Saccharomyces cerevisiae. <b>2020</b> , 10, 1269-1278	7

395	Co-fermentation of agricultural and industrial waste by Naganishia albida for microbial lipid production in fed-batch fermentation. <b>2020</b> , 95, 813-821		10
394	Discovery of hyperstable carbohydrate-active enzymes through metagenomics of extreme environments. <b>2020</b> , 287, 1116-1137		12
393	Mechanoenzymatic Transformations in the Absence of Bulk Water: A More Natural Way of Using Enzymes. <b>2020</b> , 21, 742-758		23
392	Biomass for renewable energy production in Pakistan: current state and prospects. <b>2020</b> , 13, 1		9
391	Screening of cellulolytic bacteria from rotten wood of Qinling (China) for biomass degradation and cloning of cellulases from Bacillus methylotrophicus. <b>2020</b> , 20, 2		10
390	Sustainability and life cycle assessments of lignocellulosic and algal pretreatments. <b>2020</b> , 301, 122678		27
389	Nonprecious anodic catalysts for low-molecular-hydrocarbon fuel cells: Theoretical consideration and current progress. <i>Progress in Energy and Combustion Science</i> , <b>2020</b> , 77, 100805	33.6	62
388	High productivity in hybrid-poplar plantations without isoprene emission to the atmosphere. <b>2020</b> , 117, 1596-1605		17
387	Isolation of xylose-assimilating yeasts and optimization of xylitol production by a new Meyerozyma guilliermondii strain. <b>2020</b> , 23, 325-334		3
386	Cloning, purification and study of recombinant GH3 family Eglucosidase from Penicillium verruculosum. <b>2020</b> , 168, 231-240		6
385	Bioconversion of lignocellulosic biomass to bioethanol and biobutanol. <b>2020</b> , 67-125		14
384	High value-added monomer chemicals and functional bio-based materials derived from polymeric components of lignocellulose by organosolv fractionation. <b>2020</b> , 14, 371-401		29
383	Advances in thermostable laccase and its current application in lignin-first biorefinery: A review. <b>2020</b> , 298, 122511		34
382	Saccharification Yield through Enzymatic Hydrolysis of the Steam-Exploded Pinewood. <b>2020</b> , 13, 4552		1
381	Effects of Additional Xylanase on Saccharification and Ethanol Fermentation of Ammonia-Pretreated Corn Stover and Rice Straw. <b>2020</b> , 13, 4574		6
380	Modified alkaline peroxide pretreatment: An efficient path forward for bioethanol production from bamboo. <b>2020</b> , 224, 113365		16
379	Gene coexpression network analysis reveals a novel metabolic mechanism of responding to phenolic inhibitors from lignocellulosic hydrolysates. <b>2020</b> , 13, 163		9
378	Bioethanol production from Brewer rice by Saccharomyces cerevisiae and Zymomonas mobilis: evaluation of process kinetics and performance. <b>2020</b> , 1-14		3

### (2020-2020)

377	renewable and sustainable biofuels: A review. <b>2020</b> , 160, 1228-1252	35
376	A lytic polysaccharide monooxygenase from Myceliophthora thermophila C1 and its characterization in cleavage of glycosidic chain of cellulose. <b>2020</b> , 162, 107712	5
375	Thermotolerant glycosyl hydrolases-producing CMCPS1 and its saccharification efficiency on HCR-laccase (LccH)-pretreated corncob biomass. <b>2020</b> , 13, 124	15
374	Lignocellulosic Ethanol Production from a Biorefinery Perspective. 2020,	2
373	Preliminary techno-economic evaluation of 2G ethanol production with co-products from rice straw. <b>2020</b> , 1	6
372	In situ measurements of viscoelastic properties of biomass during hydrothermal treatment to assess the kinetics of chemical alterations. <b>2020</b> , 315, 123819	3
371	Bioethanol Producing Equipment Prototype Using Cassava Peel Using Microcontroller-Based Destilation Principles. <b>2020</b> , 846, 012037	
370	Steam Explosion Pretreatment of Beechwood. Part 1: Comparison of the Enzymatic Hydrolysis of Washed Solids and Whole Pretreatment Slurry at Different Solid Loadings. <b>2020</b> , 13, 3653	9
369	Consolidated bioethanol production from olive mill waste: Wood-decay fungi from central Morocco as promising decomposition and fermentation biocatalysts. <b>2020</b> , 28, e00541	5
368	Lignocellulolytic Enzymes in Biotechnological and Industrial Processes: A Review. <b>2020</b> , 12, 7282	31
367	Techno-economic analysis of plantation biomass production and small-scale wood pellet processing for bioenergy market. <b>2020</b> , 11, 173-188	2
366	Engineered for lignocellulosic valorization: a review and perspectives on bioethanol production. <b>2020</b> , 11, 883-903	20
365	Technology selection for rice straw-based second-generation bioethanol production in West Java. <b>2020</b> , 599, 012095	1
364	Compressed hot water pretreatment enhanced bioethanol production from corn stalk. <b>2020</b> , 12, 100595	9
363	Potential and limitations of 13C CP/MAS NMR spectroscopy to determine the lignin content of lignocellulosic feedstock. <b>2020</b> , 142, 105792	9
362	Isolation and Characterization of a Novel Cold-Active, Halotolerant Endoxylanase from sp. Nov. JL3085. <b>2020</b> , 18,	6
361	Preparation and Uses of Chlorinated Glycerol Derivatives. <b>2020</b> , 25,	4
360	Valorisation of pectin-rich agro-industrial residues by yeasts: potential and challenges. <b>2020</b> , 104, 6527-6547	23

359	Furfuryl alcoholl promising platform chemical. <b>2020</b> , 323-353	3
358	Reduction of Fermentation-Associated Stresses by Straw-Based Soluble Saccharides for Enhancing Ethanol Production. <b>2020</b> , 68, 5863-5872	1
357	Spray, atomization and combustion characteristics of oxygenated fuels in a constant volume bomb: A review. <b>2020</b> , 7, 282-297	11
356	Improving saccharide concentration by mixing octyl acetate during semi-flow, hot-compressed water treatment of woody biomass. <b>2020</b> , 137, 105552	1
355	Catalytic sugarcane bagasse transformation into a suitable biocrude for hydrocarbon production in typical refinery processes. <b>2020</b> , 4, 4158-4169	4
354	Influence of hydrothermal treatment on selenium emission-reduction and transformation from low-ranked coal. <b>2020</b> , 267, 122070	5
353	Nanocellulose/polymer nanocomposite membranes for pervaporation application. 2020, 17-34	
352	Genetic and metabolic engineering approaches for improving accessibilities of lignocellulosic biomass toward biofuels generations. <b>2020</b> , 13-35	2
351	Present status and future prospect of genetic and metabolic engineering for biofuels from lignocellulosic biomass. <b>2020</b> , 37-46	O
350	Effect of glycerol thermal and hydrothermal pretreatments on lignin degradation and enzymatic hydrolysis in paddy straw. <b>2020</b> , 154, 1304-1313	18
349	Lignocellulosic Ethanol: Technology and Economics. 2020,	10
348	Biomass conversion processes. <b>2020</b> , 41-151	1
347	Life cycle environmental and cost evaluation of renewable diesel production. 2020, 279, 118429	8
346	Cultivation of Mushrooms and Their Lignocellulolytic Enzyme Production Through the Utilization of Agro-Industrial Waste. <b>2020</b> , 25,	51
345	A study of ethanol dehydrogenation to acetaldehyde over supported copper catalysts: Catalytic activity, deactivation and regeneration. <b>2020</b> , 602, 117710	11
344	Sustainable bioethanol production from microalgae through ionic liquid as a potential catalyst: Review. <b>2020</b> ,	2
343	Effect of a Nonionic Surfactant on Enzymatic Hydrolysis of Lignocellulose Based on Lignocellulosic Features and Enzyme Adsorption. <b>2020</b> , 5, 15812-15820	9
342	Current advancement on the isolation, characterization and application of lignin. <b>2020</b> , 162, 985-1024	89

# (2020-2020)

341	Catalytic Processes for Biomass-Derived Platform Molecules Valorisation. <b>2020</b> , 63, 846-865	14
340	Single-pot conversion of fruit peel waste to 5-hydroxymethylfurfural catalyzed by modified activated carbon in green solvent: kinetics and thermodynamic study. <b>2020</b> , 1	2
339	Improved lignocellulose degradation prior to semi-dry anaerobic digestion of dairy manure via potassium permanganate treatment. <b>2020</b> , 11, 100462	4
338	Statistically designed cellulase mixture for saccharification of pretreated Sorghum durra stalk. <b>2020</b> , 154, 112678	2
337	Development of hybrid gel beads of lignocellulosic compounds derived from agricultural waste: Efficient lead adsorbents for a comparative biosorption. <b>2020</b> , 315, 113715	4
336	Biofuels production using wheat straw. <b>2020</b> , 433-441	2
335	Chelator-mediated biomimetic degradation of cellulose and chitin. 2020, 153, 433-440	8
334	. <b>2020</b> , 8, 2621-2630	1
333	Assessment of genetic diversity and chemical composition among seven black locust populations from Northern China. <b>2020</b> , 90, 104010	4
332	Review on neoteric biorefinery systems from detritus lignocellulosic biomass: A profitable approach. <b>2020</b> , 256, 120607	15
331	Bio-energy with carbon capture and storage via alkaline thermal Treatment: Production of high purity H2 from wet wheat straw grass with CO2 capture. <b>2020</b> , 264, 114675	5
330	Effect of sodium hydroxide pretreatment on physicochemical changes and enzymatic hydrolysis of herbaceous and woody lignocelluloses. <b>2020</b> , 145, 112145	23
329	Lignocellulosic bio-refinery approach for microbial 2,3-Butanediol production. <b>2020</b> , 302, 122873	35
328	Design and Modeling of a Fuel Cell System Using Biomass Feedstock as a Biofuel. <b>2020</b> , 20, 89-97	
327	Current advances in ionic liquid-based pre-treatment and depolymerization of macroalgal biomass. <b>2020</b> , 152, 283-299	13
326	Proteomic analysis reflects an environmental alkalinization-coupled pH-dependent mechanism of regulating lignocellulases in NJAU4742. <b>2020</b> , 13, 6	2
325	Insights from enzymatic degradation of cellulose and hemicellulose to fermentable sugars a review. <b>2020</b> , 134, 105481	74
324	Integration of wastewater treatment into process design of lignocellulosic biorefineries for improved economic viability. <b>2020</b> , 13, 24	13

323	Synergistic effect of humic acid on alkali pretreatment of sugarcane bagasse for the recovery of lignin with phenomenal properties. <b>2020</b> , 134, 105486	8
322	Xylan-based hydrogels for potential skin care application. <b>2020</b> , 158, 244-250	22
321	An integrated biorefinery process for adding values to corncob in co-production of xylooligosaccharides and glucose starting from pretreatment with gluconic acid. <b>2020</b> , 307, 123200	28
320	Cellulase and oxidative enzymes: new approaches, challenges and perspectives on cellulose degradation for bioethanol production. <b>2020</b> , 42, 875-884	31
319	Vacuum-assisted black liquor-recycling enhances the sugar yield of sugarcane bagasse and decreases water and alkali consumption. <b>2020</b> , 309, 123349	15
318	Agave: A promising feedstock for biofuels in the water-energy-food-environment (WEFE) nexus. <b>2020</b> , 261, 121283	11
317	Life cycle environmental analysis of drop infalternative aviation fuels: a review. <b>2020</b> , 4, 3229-3263	13
316	The state-of-the-art of organic waste to energy in Latin America and the Caribbean: Challenges and opportunities. <b>2020</b> , 156, 509-525	20
315	Application of life-cycle assessment in biorefineries. <b>2020</b> , 455-480	2
314	Co-generation of liquid biofuels from lignocellulose by integrated biochemical and hydrothermal liquefaction process. <b>2020</b> , 200, 117524	11
313	Genetic modification of cereal plants: A strategy to enhance bioethanol yields from agricultural waste. <b>2020</b> , 150, 112408	15
312	Domino lignin depolymerization and reconnection to complex molecules mediated by boryl radicals. <b>2020</b> , 10, 3008-3014	1
311	Hydrothermal CO2-assisted Pretreatment of Wheat Straw for Hemicellulose Degradation Followed with Enzymatic Hydrolysis for Glucose Production. <b>2021</b> , 12, 1483-1492	9
310	Surfactant-promoted hydrolysis of lignocellulose for ethanol production. <b>2021</b> , 213, 106660	10
309	Lignocellulosic biomass as sustainable feedstock and materials for power generation and energy storage. <b>2021</b> , 57, 247-280	87
308	Subcritical water hydrolysis of soybean residues for obtaining fermentable sugars. <b>2021</b> , 167, 105043	12
307	Vivid techniques of pretreatment showing promising results in biofuel production and food processing. <b>2021</b> , 44, e13580	1
306	Current challenges and innovative developments in pretreatment of lignocellulosic residues for biofuel production: A review. <b>2021</b> , 287, 119670	50

## (2021-2021)

305	Coproduction of xylose and biobutanol from corn stover via recycling of sulfuric acid pretreatment solution. <b>2021</b> , 1, 200-207	2
304	Characterization of lignocellulosic fibres extracted from agricultural biomass: arecanut leaf sheath. <b>2021</b> , 112, 1224-1231	1
303	Advances, challenges, and opportunities in genetic engineering for biofuels production. <b>2021</b> , 399-424	1
302	Methodological approaches in agrowaste preparation and processes. <b>2021</b> , 37-54	
301	Xylan. <b>2021</b> , 129-161	
300	An overview on pretreatment processes for an effective conversion of lignocellulosic biomass into bioethanol. <b>2021</b> , 41-68	1
299	Next Generation Biofuel Production in the Omics Era: Potential and Prospects. 2021, 293-311	1
298	Microbiological Aspects of Bioenergy Production: Recent Update and Future Directions. <b>2021</b> , 29-52	2
297	Breeding Targets to Improve Biomass Quality in Miscanthus. <b>2021</b> , 26,	4
296	Microbial Mediated Valorization of Lignocellulose: A Green Technology for Bioethanol Production. <b>2021</b> , 53-71	
295	The Place of Biofuel in Sustainable Living; Prospects and Challenges. 2021, 226-226	2
294	Bioprospecting of microbial strains for biofuel production: metabolic engineering, applications, and challenges. <b>2021</b> , 14, 5	39
293	Application of nanoengineered materials for bioenergy production. 2021, 333-354	О
292	Microbial cellulase for the conversion of lignocellulosic biomass. <b>2021</b> , 59-83	1
291	Bioconversion of Hemicelluloses into Hydrogen. <b>2021</b> , 267-280	1
290	Recombinant cellulase of Caulobacter crescentus: potential applications for biofuels and textile industries. <b>2021</b> , 28, 2813-2832	1
289	Integrated conversion of cellulose to high-density aviation fuel. 2021, 355-382	
288	Biological conversion of lignocellulosic waste in the renewable energy. <b>2021</b> , 99-115	

287	Bioethanol Production by Enzymatic Hydrolysis from Different Lignocellulosic Sources. <b>2021</b> , 26,	29
286	Prebiotics can restrict populations in poultry: a review. <b>2021</b> , 1-10	30
285	Agricultural Coconut Cultivation Wastes as Feedstock for Lignocellulosic Ethanol Production by Kluyveromyces marxianus. <b>2021</b> , 12, 4943-4951	1
284	Strategic assessment of sustainable aviation fuel production technologies: Yield improvement and cost reduction opportunities. <b>2021</b> , 145, 105942	13
283	The Availability and Assessment of Potential Agricultural Residues for the Regional Development of Second-Generation Bioethanol in Thailand. <b>2021</b> , 12, 6091	7
282	Recent advances in bioethanol production from Lignocellulosic biomass. <b>2021</b> , 18, 731-744	17
281	A Review on the Lignin Biopolymer and Its Integration in the Elaboration of Sustainable Materials. <b>2021</b> , 13, 2697	14
280	Effects of non-ionic surfactants on bioethanol production using extracted cellulose from wheat straw and kinetic studies. 1	1
279	Use of non-thermal plasma in lignocellulosic materials: A smart alternative. <b>2021</b> , 109, 365-373	4
278	Processes and separation technologies for the production of fuel-grade bioethanol: a review. <b>2021</b> , 19, 2873-2890	13
277	Integration of First- and Second-generation Bioethanol Production from Beet molasses and Distillery Stillage After Dilute Sulfuric Acid Pretreatment. 1	4
276	Review of Dissolved CO and H Measurement Methods for Syngas Fermentation. <b>2021</b> , 21,	1
275	Next-generation biofuels and platform biochemicals from lignocellulosic biomass. <b>2021</b> , 45, 14145-14169	26
274	Optimizing lime pretreatment of rice straw for biolipid production using oleaginous microorganisms. <b>2021</b> , 269, 129390	7
273	High value add bio-based low-carbon materials: Conversion processes and circular economy. <b>2021</b> , 293, 126101	11
272	Effects of Polychlorinated Biphenyls on Lignin Biosynthesis in Arabidopsis thaliana. <b>2021</b> , 1, 202-210	1
271	Socio-Economic and Environmental Impacts of Biomass Valorisation: A Strategic Drive for Sustainable Bioeconomy. <b>2021</b> , 13, 4200	10
270	Rational design of signal peptides for improved MtC1LPMO production in Bacillus amyloliquefaciens. <b>2021</b> , 175, 262-269	О

269	Cellulosic Bioethanol from Industrial Eucalyptus globulus Bark Residues Using Kraft Pulping as a Pretreatment. <b>2021</b> , 14, 2185	4
268	Multiscale investigation on the chemical and anatomical changes of lignocellulosic biomass for different severities of hydrothermal treatment. <b>2021</b> , 11, 8444	5
267	Potential for reduced water consumption in biorefining of lignocellulosic biomass to bioethanol and biogas. <b>2021</b> , 131, 461-468	11
266	A review on bed material particle layer formation and its positive influence on the performance of thermo-chemical biomass conversion in fluidized beds. <b>2021</b> , 291, 120214	9
265	Lignocellulosic Waste Pretreatment Solely via Biocatalysis as a Partial Simultaneous Lignino-Holocellulolysis Process. <b>2021</b> , 11, 668	2
264	Xylitol and ethanol co-production from sugarcane bagasse and straw hemicellulosic hydrolysate supplemented with molasses. 1	2
263	Unraveling a Lignocellulose-Decomposing Bacterial Consortium from Soil Associated with Dry Sugarcane Straw by Genomic-Centered Metagenomics. <b>2021</b> , 9,	6
262	Preparation of Oil Palm Empty Fruit Bunch Hydrolysate. <b>2021</b> , 7, 81	
261	Integrated lignocellulosic biorefinery: Gateway for production of second generation ethanol and value added products. <b>2021</b> , 6, 108-128	58
260	Fabrication of pondcypress fiber with intact structure and multiple active hydroxyl groups by alkali aided two-step mechanical refining. <b>2021</b> , 28, 6829-6843	Ο
259	Cultivating the Bacterial Microbiota of Roots. <b>2021</b> , 6, e0130620	5
258	Non-Conventional Yeasts as Alternatives in Modern Baking for Improved Performance and Aroma Enhancement. <b>2021</b> , 7, 102	3
257	An Overview on the Conversion of Forest Biomass into Bioenergy. <b>2021</b> , 9,	6
256	Analysis of Yield Potential and Regional Distribution for Bioethanol in China. <b>2021</b> , 14, 4554	1
255	Sustainable Second-Generation Ethanol Production from Switchgrass Biomass via Co-fermentation of Pentoses and Hexoses Using Novel Wild Yeasts. 1	1
254	Secretome characterization of the lignocellulose-degrading fungi and growing on biomass. <b>2021</b> , 113, 877-890	1
253	The Potential of Cellulose as a Source of Bioethanol using the Solid Catalyst: A Mini-Review. <b>2021</b> , 16, 661-672	
252	Integration of corn ethanol and corn stover ethanol processes for improving xylose fermentation performance. 1	1

251	High efficient degradation of glucan/glucomannan to cello-/mannan-oligosaccharide by endoglucanase via tetrasaccharide as intermediate. <b>2021</b> , 350, 129175	1
250	CO mitigation or removal: The optimal uses of biomass in energy system decarbonization. <b>2021</b> , 24, 102765	7
249	Theoretical and Experimental Study of 3-Pentanol Autoignition: Ab Initio Calculation, Shock Tube Experiments, and Kinetic Modeling. <b>2021</b> , 125, 5976-5989	1
248	The nth-plant scenario for blended feedstock conversion and preprocessing nationwide: Biorefineries and depots. <b>2021</b> , 294, 116946	2
247	Dual-fuel compression-ignition engines fuelled with biofuels. A bibliometric review. 1	0
246	Pt supported on hierarchical porous carbon for furfural hydrogenation. <b>2021</b> , 104, 406-406	4
245	Extraction, separation, and utilization of components contained in waste bamboo by pressurized microwave-assisted ethanol solvent treatment. 1	2
244	Molecular modeling and dynamics simulation of alcohol dehydrogenase enzyme from high efficacy cellulosic ethanol-producing yeast mutant strain BGY1-酮. <b>2021</b> , 1-15	1
243	Recent trends and future perspectives of lignocellulose biomass for biofuel production: a comprehensive review. 1	6
242	Synthesis of Biobased Novolac Phenolflormaldehyde Wood Adhesives from Biorefinery-Derived Lignocellulosic Biomass. <b>2021</b> , 9, 10990-11002	1
241	Conversion of protein-rich lignocellulosic wastes to bio-energy: Review and recommendations for hydrolysis + fermentation and anaerobic digestion. <b>2021</b> , 146, 111167	7
240	Biomass Fast Pyrolysis Vapor Upgrading over 卧lumina, Hydrotalcite, Dolomite and Effect of Na2CO3 Loading: A Pyro Probe GCMS Study. <b>2021</b> , 14, 5397	1
239	Lignocellulosic biorefineries: The current state of challenges and strategies for efficient commercialization. <b>2021</b> , 148, 111258	35
238	Biorefinery Gets Hot: Thermophilic Enzymes and Microorganisms for Second-Generation Bioethanol Production. <b>2021</b> , 9, 1583	3
237	Nanocellulose: Production and Processing for Biomedical Applications.	2
236	Assessment of shock pretreatment and alkali pretreatment on corn stover using enzymatic hydrolysis. <b>2021</b> , e3217	2
235	Hydrogen solubility in furfural and furfuryl bio-alcohol: Comparison between the reliability of intelligent and thermodynamic models. <b>2021</b> , 46, 36056-36056	10
234	A study of molybdena catalysts in ethanol oxidation. Part 1. Unsupported and silica-supported MoO3.	1

233	Microwave Assisted Alkaline Pretreatment of Algae Waste in the Production of Cellulosic Bioethanol. <b>2021</b> , 14, 5891	2
232	Enzymatic Hydrolysis Intensification of Lignocellulolytic Enzymes Through Ultrasonic Treatment. 1	1
231	Technoeconomic Analysis of Multiple-Stream Ethanol and Lignin Production from Lignocellulosic Biomass: Insights into the Chemical Selection and Process Integration.	6
230	Minimizing water consumption for sugar and lignin recovery via the integration of acid and alkali pretreated biomass and their mixed filtrate without post-washing. <b>2021</b> , 337, 125389	6
229	Insight into the recent advances of microwave pretreatment technologies for the conversion of lignocellulosic biomass into sustainable biofuel. <b>2021</b> , 281, 130878	43
228	Processes and prospects on valorizing solid waste for the production of valuable products employing bio-routes: A systematic review. <b>2021</b> , 282, 130954	34
227	Valorization of paper industry rejects by combined thermo-chemical pretreatment and biological conversion to L-lysine. <b>2021</b> , 24, 101882	O
226	Production of xylooligosaccharides, bioethanol, and lignin from structural components of barley straw pretreated with a steam explosion. <b>2021</b> , 342, 125953	6
225	Water leaching for improving fuel properties of pongamia Pod: Informing process design. <b>2021</b> , 305, 121480	1
224	From residue to resource: The multifaceted environmental and bioeconomy potential of industrial hemp (Cannabis sativa L.). <b>2021</b> , 175, 105864	6
223	A validated Distributed Activation Energy Model (DAEM) to predict the chemical degradation of biomass as a function of hydrothermal treatment conditions. <b>2021</b> , 341, 125831	1
222	Bioprocessing of lignocellulosic biomass to biofuels. <b>2022,</b> 131-164	
221	Microorganisms and their lignocellulolytic enzymes. <b>2022</b> , 37-48	
220	Sources of lignocellulosic biomass. <b>2022</b> , 25-36	
219	Physical and chemical characteristics of lignocellulosic biomass. <b>2022</b> , 11-24	
218	Environmental impacts of the confectionary industry. <b>2021</b> , 189-216	1
217	Production of Biodiesel from Organic Wastes by Bioconversion. <b>2021</b> , 385-393	
216	Bioconversion of Agro-Industrial Waste into Value-Added Compounds. <b>2021</b> , 349-368	7

215	Impacts of Food Industrial Wastes on Soil and Its Utilization as Novel Approach for Value Addition. <b>2021</b> , 652-669	1
214	Synergistic effect of acidity balance and hydrothermal pretreatment severity on alkali extraction of hemicelluloses from corn stalk. 1	3
213	Bioconversion of sugarcane tops to bioethanol and other value added products: An overview. <b>2021</b> , 4, 54-68	8
212	Recent Advances in the Production of Biodiesel Using Lignocellulosic Biomass. <b>2020</b> , 69-85	1
211	Myco-Nanotechnological Approach for Improved Degradation of Lignocellulosic Waste: Its Future Aspect. <b>2019</b> , 227-245	3
210	Cellulase in Degradation of Lignocellulosic Wastes. <b>2020</b> , 15-40	1
209	Cellulose from Lignocellulosic Waste. <b>2015</b> , 475-511	15
208	Scale-Up Hydrothermal Pretreatment of Sugarcane Bagasse and Straw for Second-Generation Ethanol Production. <b>2017</b> , 377-388	1
207	Corncob Residue Pretreatment for 2,3-Butanediol Production by Simultaneous Saccharification and Fermentation. <b>2014</b> , 1469-1479	2
206	The Global Scenario of Biofuel Production and Development. <b>2020</b> , 29-56	3
205	Solubilization of Biomass Components with Ionic Liquids Toward Biomass Energy Conversions. <b>2014</b> , 29-59	2
204	Progress and Prospects in the Production of Cellulosic Ethanol. <b>2019</b> , 245-275	2
203	Biofuels Generation Based on Technical Process and Biomass Quality. <b>2020</b> , 37-64	4
202	Biofuel: Types and Process Overview. <b>2020</b> , 1-28	2
201	Nanotechnology: An Application in Biofuel Production. <b>2020</b> , 143-160	7
200	Introduction to Lignocellulosic Ethanol. <b>2020</b> , 1-21	1
199	Saccharification Fermentation and Process Integration. <b>2020</b> , 111-158	1
198	Biomass Pretreatment, Biorefineries, and Potential Products for a Bioeconomy Development. <b>2016</b> , 1-22	23

197	Novel bioethanol production processes and purification technology using membranes. <b>2020</b> , 179, 359-384	2
196	Pilot technology of ethanol production from oat hulls for subsequent conversion to ethylene. <b>2017</b> , 329, 178-186	29
195	Chapter 7:Nanoparticle Design for the Catalytic Valorization of Lignocellulosic Biomass. <b>2019</b> , 184-206	1
194	Development of a process for the enhanced enzymatic digestibility of solid waste from tofu to yield fermentable biosugars. 1-11	1
193	Lactic Acid Production from Pretreated Hydrolysates of Corn Stover by a Newly Developed Bacillus coagulans Strain. <b>2016</b> , 11, e0149101	28
192	Identification and Characterization of a Novel Issatchenkia orientalis GPI-Anchored Protein, IoGas1, Required for Resistance to Low pH and Salt Stress. <b>2016</b> , 11, e0161888	15
191	A Review on Current Technological Advancement of Lignocellulosic Bioethanol Production. 2016, 1,	3
190	Lignin Depolymerization into Aromatic Monomers Using Supported Metal Catalysts in Supercritical Water. <b>2020</b> , 63, 221-227	3
189	Immobilized Nanoparticles-Mediated Enzymatic Hydrolysis of Cellulose for Clean Sugar Production: A Novel Approach. <b>2019</b> , 15, 296-303	15
188	Extraction Behaviors of Lignin and Hemicellulose-Derived Sugars During Organosolv Fractionation of Agricultural Residues Using a Bench-Scale Ball Milling Reactor. <b>2020</b> , 13, 352	4
187	Soild-state Fermentation of Coconut Coir by Pleurotus sajor-caju Increases the Anti-oxidant Properties and Nutritional Value. <b>2016</b> , 15, 141-147	2
186	Plant cell wall composition and enzymatic deconstruction. <b>2018</b> , 5, 63-77	32
185	Mycotechnology for Lignocellulosic Bioethanol Production. 2018, 28-43	2
184	Bioprocessing Requirements for Bioethanol. <b>2018</b> , 48-56	1
183	Optimization of Grafted Fibrous Polymer as a Solid Basic Catalyst for Biodiesel Fuel Production. <b>2014</b> , 04, 91-105	8
182	Cloning, expression and characterization of a cold-adapted endo-1, 4glucanase from A1, a symbiotic bacterium of. <b>2016</b> , 4, e2679	8
181	BioFuelDB: a database and prediction server of enzymes involved in biofuels production. <b>2017</b> , 5, e3497	7
180	Properties of Cellulase Immobilized on Chitosan Beads. <b>2014</b> , 29, 239-243	2

179	Pretreatment of Kenaf Core by Combined Electron Beam Irradiation and Water Steam for Enhanced Hydrolysis. <b>2014</b> , 52, 113-118	5
178	Two-step Acid Hydrolysis Method for Producing Fermentable Sugar from Lignocellulosic Biomass. <b>2016</b> , 54, 1-5	6
177	Integrated biorefinery processes for conversion of lignocellulosic biomass to value added materials: Paving a path towards circular economy. <b>2022</b> , 343, 126151	10
176	Recent advances in lignocellulosic biomass for biofuels and value-added bioproducts - A critical review. <b>2022</b> , 344, 126195	28
175	Computer-Assisted Enzyme-Cocktail Approach Highly Improves Bioethanol Yield. <b>2021</b> , 9, 14277-14287	2
174	Optimization of Cellulolytic Enzyme Production for newly isolated Bacillus sp. H9-1 from Herbivore Feces. <b>2013</b> , 28, 42-47	
173	Effects of Fermentation Parameters on Cellulolytic Enzyme Production under Solid Substrate Fermentation. <b>2014</b> , 52, 302-306	1
172	Environmentally-Friendly Pretreatment of Rice Straw by an Electron Beam Irradiation. <b>2014</b> , 29, 297-302	
171	- TWEEN 40 PRETREATMENT OF UNWASHED WATER-INSOLUBLE SOLIDS OF REED STRAW AND CORN STOVER PRETREATED WITH LIQUID HOT WATER TO OBTAIN HIGH CONCENTRATIONS OF BIOETHANOL. <b>2015</b> , 104-127	
170	CHARACTERISTICS OF CORN STOVER PRETREATED WITH LIQUID HOT WATER AND FED-BATCH SEMI-SIMULTANEOUS SACCHARIFICATION AND FERMENTATION FOR BIOETHANOL PRODUCTION. <b>2015</b> , 21-49	
169	Recovery of Xylo-oligomer and Lignin Liquors from Rice Straw by Two 2-step Processes Using Aqueous Ammonia Followed by Hot-water or Sulfuric Acid. <b>2015</b> , 53, 682-689	
168	A-Site Effect on the Conversion of Bio-Ethanol into Isobutene over Ternary A<sub>1</sub>Zn<sub>y</sub>Zr<sub>Z</sub>O<sub>n</sub>Catalysts. <b>2016</b> , 05, 95-101	
167	Introduction. <b>2016</b> , 9-10	
166	Background. <b>2017</b> , 1-9	
165	Advanced Biodiesel and Biojet Fuels from Lignocellulosic Biomass. <b>2017</b> , 1-25	
164	Advanced Biodiesel and Biojet Fuels from Lignocellulosic Biomass. <b>2017</b> , 109-132	
163	OPTIMIZATION OF HYDROLYSIS CONDITIONS OF WHEAT STRAW BY ENZYME PREPARATION FROM Fennellia sp. 2806. <b>2017</b> , 10, 61-68	0
162	EFFECTS OF CONTENTS AND COMPONENT COMPOSITION OF ASH AND ORGANIC CONSTITUENTS ON FUEL CHARACTERISTICS OF SOFTWOOD AND WHEAT STRAW HYDROLYTIC PROCESSING RESIDUES.	O

161	Bioconversion of Biomass to Biofuel Using Fungal Consortium. 2019, 381-396	1
160	Recent Advancements in Mycodegradation of Lignocellulosic Biomass for Bioethanol Production. <b>2019</b> , 167-192	
159	Bioproduct Engineering Solution to Sustainable EnergyRetrospection. <b>2019</b> , 291-305	
158	Producci∄ de biodi§el a partir de las grasas extradas de la borra de caf⊡esterifcaci∄ con H2SO4 y transesterifcaci∄ con KOH. <b>2019</b> , 29, 53-66	
157	Biodegradable Polymers Reinforced with Lignin and Lignocellulosic Materials. 2019, 357-373	
156	An Overview of Environmental Management of Different Types of Biomaterials. <b>2020</b> , 1-20	
155	Introduction. <b>2020</b> , 1-14	
154	Lignocellulosic Biofuel Production Technologies and Their Applications for Bioenergy Systems. <b>2020</b> , 287-306	
153	Improvement in Ethanol Yield from Lignocellulo-Starch Biomass using Saccharomyces cerevisiae alone or its Co-culture with Scheffersomyces stipitis. <b>2020</b> , 9, 57-76	Ο
152	Secretome characterization of the lignocellulose-degrading fungi Pycnoporus sanguineus and Ganoderma applanatum.	O
151	Optimization of Energy-Proficient Infrared Radiated Rapid Hydrolysis of Pineapple Skin to Reducing Sugar. <b>2021</b> , 257-264	
150	Nanomaterial conjugated lignocellulosic waste: cost-effective production of sustainable bioenergy using enzymes. <b>2021</b> , 11, 480	1
149	Influence of biomass waste from agro-industries on obtaining energetic gases assisted by chronoamperometric process. <b>2021</b> , 47, 735-735	0
148	Sustainable Routes for the Synthesis of Renewable Adipic Acid from Biomass Derivatives. <b>2021</b> ,	2
147	Effects of solvents in the depolymerization of lignin into value-added products: a review. 1	2
146	Perspectives and role of lignocellulosic biorefinery in strengthening a circular economy. <b>2022</b> , 175-202	
145	Life Cycle Analysis for Biodiesel Production from Oleaginous Fungi. <b>2020</b> , 199-225	1
144	Cellobiohydrolase: role in cellulosic bioconversion. <b>2020</b> , 63-79	1

143	Paper Mill Sludge as a Potential Feedstock for Microbial Ethanol Production. 2020, 35-57	0
142	Impacts of Food Industrial Wastes on Soil and Its Utilization as Novel Approach for Value Addition. <b>2020</b> , 226-243	
141	Towards Waste Valorization: A Promising and Sustainable Approach of Waste Management. <b>2020</b> , 19-34	
140	Future of Bioethanol. <b>2021</b> , 209-214	1
139	Effect of Bioprocess Parameters on Biofuel Production. <b>2021</b> , 95-126	
138	Lignocellulosic Biomass and Microbial Genome Engineering for Sustainable Ethanol Production: An Overview. <b>2021</b> , 87-112	1
137	Isolation and Screening of Fungal Culture Isolated From Algerian Soil for the Production of Cellulase and Xylanase. <b>2020</b> , 10, 108-113	
136	MicroalgaeEhe ideal source of biofuel. <b>2022,</b> 389-405	
135	Agroindustrial wastes for enzyme production. <b>2022</b> , 197-212	1
134	Multi-stage pre-treatment of lignocellulosic biomass for multi-product biorefinery: A review. <b>2022</b> , 49, 101702	2
133	Determination of Lignin Content in Plant Materials Using Solid-State 13C NMR Spectroscopy. <b>2021</b> , 63, 544-552	1
132	Electroreforming of Biomass for Value-Added Products. <b>2021</b> , 12,	O
131	Valorization of Urban Street Tree Pruning Residues in Biorefineries by Steam Refining: Conversion Into Fibers, Emulsifiers, and Biogas. <b>2021</b> , 9, 779609	1
130	Effects of storage temperature and time on enzymatic digestibility and fermentability of Densifying lignocellulosic biomass with chemicals pretreated corn stover. <b>2021</b> , 347, 126359	1
129	Waste to Wealth: The Importance of Yeasts in Sustainable Bioethanol Production from Lignocellulosic Biomass. <b>2022</b> , 265-283	
128	Advances in Bioethanol Production: Processes and Technologies. <b>2021</b> , 189-237	
127	AN INVESTIGATION ON THE PURIFICATION EFFICACY OF BIOETHANOL PRODUCTION FROM DIFFERENT SOURCES OF BIOMASS.	
126	Bioprocessing of Horticultural Wastes by Solid-State Fermentation into Value-Added/Innovative Bioproducts: A Review. 1-56	1

Synthesis of Furan Compounds from Hemicelluloses. 2022, 399-445

	Discontinuo de la la companya de la	
124	Biomedical and Pharmaceutical Applications of Xylan and Its Derivatives. <b>2022</b> , 447-465	1
123	Simultaneous saccharification and fermentation to obtain bioethanol: A bibliometric and systematic study. <b>2022</b> , 17, 100924	1
122	Lignin fractionation and conversion to bio-based functional products. <b>2022</b> , 25, 100594	1
121	Volatile Fatty Acids (VFA) Production Through Altered Anaerobic Digestion (AD) Process for Efficient Utilization of Residual Liquid Stream of Pretreated Lignocellulosic Biomass. 1	
120	Ethanol stress responses in Kluyveromyces marxianus: current knowledge and perspectives <b>2022</b> , 106, 1341	O
119	Response surface optimisation of enzymatic hydrolysis of cassava peels without chemical and hydrothermal pretreatment. 1	0
118	Effect of Zinc-Calcium on Xylose Consumption by Mucor circinelloides (MN128960): Xylitol and Ethanol Yield Optimization. <b>2022</b> , 15, 906	
117	Biokraftstoff E20 als ein Gesch <b>f</b> tsmodell der zirkulfen Biokonomie. <b>2022</b> , 335-363	
116	Utilization of Agro-Industrial Wastes for the Production of Quality Oyster Mushrooms. <b>2022</b> , 14, 994	1
115	Statistical optimization of alkaline treatment of pomegranate peel waste for bioethanol production. 1	1
114	Ionic liquids and lignin interaction: An overview. <b>2022</b> , 17, 100958	2
113	Valorisation of lignocellulosic biomass to value-added products: Paving the pathway towards low-carbon footprint. <b>2022</b> , 313, 122678	7
112	Conversion of cellulosic biomass to furanics. <b>2022</b> , 339-372	
111	Why Hasn't Biomass-to-Bioethanol Conversion Been Commercialized Yet?.	
110	Nanofarming: Nanotechnology in Biofuel Production. <b>2022</b> , 287-309	
109	Elucidating Thermochemical Pretreatment Effectiveness of Different Particle-Size Switchgrass for Cellulosic Ethanol Production.	
108	Renewable Energy: The Past and the Future. <b>2022</b> , 213-234	

107	Understanding the biomass conversion processes of bovine gut microbiota through community-wide metabolic interaction network. <b>2022</b> , 17, 100989	
106	Physiological comparisons among Spathaspora passalidarum, Spathaspora arborariae, and Scheffersomyces stipitis reveal the bottlenecks for their use in the production of second-generation ethanol <b>2022</b> ,	Ο
105	Engineering of for Hemicellulosic Biomass Utilization <b>2022</b> , 32, 1-8	0
104	Residual Biomass: A Comprehensive Review on the Importance, Uses and Potential in a Circular Bioeconomy Approach. <b>2022</b> , 11, 35	1
103	Fusion of Cellulose and Multicomponent Reactions: Benign by Design.	4
102	Metagenomics study to compare the taxonomic composition and metabolism of a lignocellulolytic microbial consortium cultured in different carbon conditions <b>2022</b> , 38, 78	
101	Waste-Derived Fuels and Renewable Chemicals for Bioeconomy Promotion: A Sustainable Approach <b>2022</b> , 1-17	1
100	Understanding the effect of low-concentrated protic ionic liquids (PILs) on coconut (Cocos nucifera) residues. 1	Ο
99	Factors regulating cellulolytic gene expression in filamentous fungi: an overview 2022, 21, 44	5
98	Assessment of corn stover pretreated with shock and alkali using methane-arrested anaerobic digestion (MAAD) <b>2022</b> , e3257	O
97	Spray Characteristics of Bioethanol-Blended Fuel under Various Temperature Conditions Using Laser Mie Scattering and Optical Illumination. <b>2022</b> , 3, 207-216	
96	Fuel grade bioethanol reforming in a fluidized bed reactor over highly durable Pt-Ni/CeO2-SiO2 catalysts. <b>2022</b> , 174, 108888	1
95	A Comprehensive Review of Feedstocks as Sustainable Substrates for Next-Generation Biofuels.	1
94	Alkaline pretreatment of Taraxacum kok-saghyz (TK) roots for the extraction of natural rubber (NR). <b>2022</b> , 181, 108376	1
93	Role of nanomaterials in enhanced ethanol production through biological methods [Review on operating factors and machine learning applications. <b>2022</b> , 320, 123905	0
92	Optimization of operating parameters for diesel engine fuelled with bio-oil derived from cottonseed pyrolysis. <b>2022</b> , 52, 102202	
91	Evaluation of bio-refinery alternatives to produce sustainable aviation fuels in a sugarcane mill. <b>2022</b> , 321, 123992	0
90	Optimization of binary acids pretreatment of corncob biomass for enhanced recovery of cellulose to produce bioethanol. <b>2022</b> , 321, 124060	7

89	Safety Disposal of Rice Straw by Biodegradation Using Streptomyces Tendae. 2021, 13, 13640	
88	Advance on the pyrolytic transformation of cellulose. <b>2021</b> , 49, 1733-1752	1
87	Protein acetylation regulates xylose metabolism during adaptation of Saccharomyces cerevisiae <b>2021</b> , 14, 241	0
86	Comprehensive Review on Potential Contamination in Fuel Ethanol Production with Proposed Specific Guideline Criteria. <b>2022</b> , 15, 2986	1
85	CHAPTER 6. Advanced Generation of Bioenergy. 117-145	
84	Enzymatic Saccharification Technologies for Biofuel Production: Challenges and Prospects. <b>2022</b> , 297-320	
83	High Hemicellulose Pre-Extraction Break the Anti-Depolymerization Barrier of Bamboo by Improved Alkali Treatment.	
82	Nanotechnological Interventions for Sustainable Production of Microbial Biofuel and Bioenergy. <b>2022</b> , 191-226	
81	Effect of the Adhesive System on the Properties of Fiberboard Panels Bonded with Hydrolysis Lignin and Phenol-Formaldehyde Resin <b>2022</b> , 14,	4
80	Technology overview of fast pyrolysis of lignin: current state and potential for scale-up 2022,	О
79	Wastewater reuse for tree irrigation: Influence on rhizosphere microbial communities. 2022, 100063	0
78	Nanotechnology-Based Biofuel Production. <b>2022</b> , 209-226	Ο
77	Effect of Ammonia Fiber Expansion Combined with NaOH Pretreatment on the Resource Efficiency of Herbaceous and Woody Lignocellulosic Biomass.	О
76	Conversion of Agro-industrial Wastes into Value-Added Products. 197-217	
75	pH Optimization in Pretreatment Process from Liquid Waste of Tapioca Flour with Response Surface Method. <b>2021</b> ,	
74	New insights of cellulosic ethanol production from lignocellulosic feedstocks. <b>2022</b> , 749-779	
73	Fermentation technology for ethanol production: current trends and challenges. 2022, 105-131	
72	Recent trends in the pyrolysis and gasification of lignocellulosic biomass. <b>2022</b> , 511-552	

71	Lignocellulosic biomass as an alternate source for next-generation biofuel. 2022, 207-221	
70	Different particle size study of castor deoiled cake for biofuel production with an environmental sustainability perspective. <b>2022</b> , 8, e09710	O
69	Effect of Ammoniated Fiber Explosion Combined with H2O2 Pretreatment on the Hydrogen Production Capacity of Herbaceous and Woody Waste.	Ο
68	Integrated bioinformatics, modelling, and gene expression analysis of the putative pentose transporter from Candida tropicalis during xylose fermentation with and without glucose addition.	
67	Algae Biomass Conversion Technologies. <b>2022</b> , 524-546	
66	Activation of galactose utilization by the addition of glucose for the fermentation of agar hydrolysate using Lactobacillus brevis ATCC 14869.	1
65	Pomegranate peel utilization by an indigenous fungal strain of Trichoderma reesei NCIM 1186: Optimization and Kinetics studies on production of cellulase.	0
64	Enhanced pyrolysis of lignocellulosic biomass by room-temperature dilute sulfuric acid pretreatment. <b>2022</b> , 166, 105588	O
63	Microbial resources for bioconversion of lignocellulose to ethanol. <b>2022</b> , 237-268	
62	Kinetic Study for Thermocatalytic Degradation of Waste Mixed Cloth Over Carbon-Based Solid Acids.	
61	Biological depolymerization of lignin using laccase harvested from the autochthonous fungus Schizophyllum commune employing various production methods and its efficacy in augmenting in vitro digestibility in ruminants. <b>2022</b> , 12,	
60	Deconstruction of lignocellulosic biomass for bioethanol production: Recent advances and future prospects. <b>2022</b> , 327, 125109	O
59	Reuse of wheat flour liquid waste for enzymatic hydrolysis to yield glucose-derived bioethanol. <b>2022</b> , 9,	
58	Exploring Natural Fermented Foods as a Source for New Efficient Thermotolerant Yeasts for the Production of Second-Generation Bioethanol. <b>2022</b> , 15, 4954	O
57	High-Efficiency and High-Quality Extraction of Hemicellulose of Bamboo by Freeze-Thaw Assisted Two-Step Alkali Treatment. <b>2022</b> , 23, 8612	0
56	Statistical optimization of pretreatment of municipal solid waste by response surface methodology for fermentable sugar production.	
55	Elucidating thermochemical pretreatment effectiveness of different particle-size switchgrass for cellulosic ethanol production. <b>2022</b> , 164, 106561	О
54	Pretreatment of digested manure fibers at high temperature (185°C) with lime added enhances methane production. <b>2022</b> , 44, 102460	

53	Nanoparticles application on fuel production from biological resources: A review. 2023, 331, 125682	О
52	Technical progress and perspective on the thermochemical conversion of kitchen waste and relevant applications: A comprehensive review. <b>2023</b> , 331, 125803	1
51	Kinetic study for thermocatalytic degradation of waste mixed cloth over antibiotic residue derived carbon-based solid acids. <b>2023</b> , 331, 125797	0
50	Optimization of Bioethanol Production from Chlorella Vulgaris and Dunaliella Salina Microalgae.	O
49	Enzymes Applied to Lignocellulosic Biorefinery. <b>2022</b> , 485-501	0
48	Implications of CRISPR-Cas9 in developing Next Generation Biofuel: A Minireview. <b>2022</b> , 23,	O
47	The application and progress of techno-economic analysis and life cycle assessment in biomanufacturing of fuels and chemicals. <b>2022</b> ,	1
46	Brazil and the world market in the development of technologies for the production of second-generation ethanol. <b>2022</b> ,	1
45	Conversion of sewage sludge to biofuels. <b>2022</b> , 37-51	0
44	Microorganisms and Genetic Improvement for First and Second Generation Bioethanol Production. <b>2022</b> , 29-60	Ο
43	Biomass Recalcitrance and Omics Approaches for Understanding the Chemistry Affecting Recalcitrance. <b>2022</b> , 213-237	0
42	ABOUT THE POSSIBILITY OF QUANTITATIVE DETERMINATION OF LIGNIN AND CELLULOSE IN PLANT MA-TERIALS USING IR SPECTROSCOPY. <b>2022</b> , 71-80	O
41	Organosolv pre-treatment and enzymatic hydrolysis of Parthenium hysterophorus for bioethanol production.	0
40	Conversion of Sugarcane Trash to Nanocrystalline Cellulose and its Life Cycle Assessment. <b>2022</b> , 12, 1215	O
39	Potential of lignocellulolytic biocatalysts of native and proposed genetically engineered microbial cell factories on jute fiber modification and jute waste recycling: A review. <b>2022</b> , 10, 932-952	0
38	Methods to convert lignocellulosic waste into biohydrogen, biogas, bioethanol, biodiesel and value-added chemicals: a review.	2
37	Overview of CO2 Bioconversion into Third-Generation (3G) Bioethanol Patent-Based Scenario.	1
36	Valorization of hazelnut husk as a carbon source for l-DOPA production with Corynebacterium glutamicum. <b>2023</b> , 190, 108768	Ο

35	Innovations in algal biorefineries for production of sustainable value chain biochemicals from the photosynthetic cell factories. <b>2023</b> , 69, 102949	О
34	Oil structuring properties of electrospun Kraft lignin/cellulose acetate nanofibers for lubricating applications: influence of lignin source and lignin/cellulose acetate ratio.	О
33	Recent Advances in the Utilization of Brown Macroalgae as Feedstock for Microbial Biorefinery.	0
32	Deciphering biomarkers of the plant cell-wall recalcitrance: towards enhanced delignification and saccharification.	О
31	Agricultural Waste as a Resource. <b>2023</b> , 1-20	0
30	Valorization of date waste using microbial fermentations.	O
29	Challenges and future opportunities of nanoparticle applications to various biofuel generation processes 🗈 review. 095440892211454	0
28	Deep Eutectic Solvents for Processing Lignocellulosic Biomass to Renewable Energy. <b>2022</b> , 1-10	O
27	Utilization of Wheat and Maize Waste as Biofuel Source. 2023, 27-66	0
26	Biological Pretreatment Strategies for Second-Generation Lignocellulosic Biomass to Enhance Ethanol Production. <b>2023</b> , 169-203	О
25	Agricultural Residues and Manures into Bioenergy. <b>2023</b> , 67-87	O
24	Mechanisms of ethanol dehydration to ethylene on #Al2O3(100)and (110C): A combined DFT and KMC study. <b>2023</b> , 219, 111979	O
23	Isolation of Nanocellulosic Fibrils from Allium cepa L. Skin Biowaste Food Residues: Extraction and Characterization.	0
22	Opportunities to Production of Biofuel from Grains and to Improve the Factors Increasing the Yield of Bioethanol in a Short Time. <b>2022</b> , 2, 253-272	O
21	The potential of dewaka banana stems as raw materials for bioethanol. 2022, 1116, 012055	0
20	Biotechnology in Bioethanol Generation. <b>2023</b> , 49-69	O
19	Introduction. <b>2023</b> , 1-12	0
18	Enzyme production by thermophiles. <b>2023</b> , 63-76	O

## CITATION REPORT

17	Microbial-Mediated Synthesis of Nanoparticles and Their Role in Bioethanol Production. 2023, 169-210	0
16	Comparative bio-energy potential of De-oiled coconut pulp and Coconut shell: Insights from physicochemical characterization, pyrolysis kinetics and thermodynamic studies. <b>2023</b> , 243, 107658	O
15	Understanding green-hydrocarbon production through the strategy of biomass ketalization reaction.	0
14	Thermodegradation of naturally decomposed forest logging residues: Characteristics, kinetics, and thermodynamics. <b>2023</b> , 376, 128821	O
13	Bioethanol production from agricultural residues as lignocellulosic biomass feedstock's waste valorization approach: A comprehensive review. <b>2023</b> , 879, 163158	0
12	Effects of enzymatic hydrolysis and physicochemical properties of lignocellulose waste through different choline based deep eutectic solvents (DESs) pretreatment. <b>2023</b> , 195, 116435	O
11	A Critical Review on Water Overconsumption in Lignocellulosic Biomass Pretreatment for Ethanol Production through Enzymic Hydrolysis and Fermentation. <b>2023</b> , 37, 2667-2680	0
10	Overexpression of a Novel Vacuolar Serine Protease-Encoding Gene (spt1) to Enhance Cellulase Production in Trichoderma Reesei. <b>2023</b> , 9, 191	O
9	Role of Microbes in the Synthesis of Industrial Products from Lignocellulosic Materials. 2023, 415-458	0
8	Agglomeration behavior of lignocellulosic biomasses in fluidized bed gasification: a comprehensive review.	O
7	Impact of planting geometry on Ailanthus excelsa L. based silvoarable systems for food and biomass production. <b>2023</b> , 97, 739-749	0
6	Biovalorization of agricultural wastes for production of industrial enzymes. <b>2023</b> , 107-122	O
5	Potential use of thermophilic bacteria for second-generation bioethanol production using lignocellulosic feedstocks: a review. 1-14	0
4	Progress in the biosynthesis of bio-based PET and PEF polyester monomers.	O
3	Promotional role of tungstate in the integrated synthesis of C 2 and C 3 alcohols and understanding the bond functionality for a series of cascade reaction.	0
2	Metatranscriptomic analysis of the gut microbiome of black soldier fly larvae reared on lignocellulose-rich fiber diets unveils key lignocellulolytic enzymes. 14,	O
1	Co-pyrolysis of industrial hemp stems and waste plastics into biochar-based briquette: Product characteristics and reaction mechanisms. <b>2023</b> , 247, 107793	О