

# Ashok Pandey

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1663090/publications.pdf>

Version: 2024-02-01

485  
papers

38,002  
citations

2675

95  
h-index

4645

170  
g-index

515  
all docs

515  
docs citations

515  
times ranked

27254  
citing authors

#	ARTICLE	IF	CITATIONS
1	Biotechnological potential of agro-industrial residues. I: sugarcane bagasse. Bioresource Technology, 2000, 74, 69-80.	9.6	961
2	Micro and macroalgal biomass: A renewable source for bioethanol. Bioresource Technology, 2011, 102, 186-193.	9.6	931
3	Solid-state fermentation. Biochemical Engineering Journal, 2003, 13, 81-84.	3.6	916
4	Biological pretreatment of lignocellulosic biomass – An overview. Bioresource Technology, 2016, 199, 76-82.	9.6	868
5	New developments in solid state fermentation: I-bioprocesses and products. Process Biochemistry, 2000, 35, 1153-1169.	3.7	865
6	Bioethanol production from rice straw: An overview. Bioresource Technology, 2010, 101, 4767-4774.	9.6	742
7	Recent advances in solid-state fermentation. Biochemical Engineering Journal, 2009, 44, 13-18.	3.6	638
8	Fermentative production of lactic acid from biomass: an overview on process developments and future perspectives. Applied Microbiology and Biotechnology, 2007, 74, 524-534.	3.6	499
9	Advancement and comparative profiles in the production technologies using solid-state and submerged fermentation for microbial cellulases. Enzyme and Microbial Technology, 2010, 46, 541-549.	3.2	474
10	Role and significance of beta-glucosidases in the hydrolysis of cellulose for bioethanol production. Bioresource Technology, 2013, 127, 500-507.	9.6	459
11	Cyanobacteria and microalgae: A positive prospect for biofuels. Bioresource Technology, 2011, 102, 10163-10172.	9.6	455
12	Recent process developments in solid-state fermentation. Process Biochemistry, 1992, 27, 109-117.	3.7	434
13	Applications of Microbial Enzymes in Food Industry. Food Technology and Biotechnology, 2018, 56, 16-30.	2.1	430
14	Current developments in solid-state fermentation. Biochemical Engineering Journal, 2013, 81, 146-161.	3.6	428
15	Potential carbon dioxide fixation by industrially important microalgae. Bioresource Technology, 2010, 101, 5892-5896.	9.6	420
16	Trends in non-dairy probiotic beverages. Food Research International, 2008, 41, 111-123.	6.2	415
17	Cellulase production using biomass feed stock and its application in lignocellulose saccharification for bio-ethanol production. Renewable Energy, 2009, 34, 421-424.	8.9	411
18	Oil cakes and their biotechnological applications – A review. Bioresource Technology, 2007, 98, 2000-2009.	9.6	401

#	ARTICLE	IF	CITATIONS
19	A critical review on advances in the practices and perspectives for the treatment of dye industry wastewater. <i>Bioengineered</i> , 2021, 12, 70-87.	3.2	366
20	Biotechnological potential of coffee pulp and coffee husk for bioprocesses. <i>Biochemical Engineering Journal</i> , 2000, 6, 153-162.	3.6	361
21	Biotechnological potential of agro-industrial residues. II: cassava bagasse. <i>Bioresource Technology</i> , 2000, 74, 81-87.	9.6	343
22	Advances in lipase-catalyzed esterification reactions. <i>Biotechnology Advances</i> , 2013, 31, 1846-1859.	11.7	342
23	Pretreatment strategies for enhanced biogas production from lignocellulosic biomass. <i>Bioresource Technology</i> , 2020, 301, 122725.	9.6	323
24	Short duration microwave assisted pretreatment enhances the enzymatic saccharification and fermentable sugar yield from sugarcane bagasse. <i>Renewable Energy</i> , 2012, 37, 109-116.	8.9	318
25	Biosynthesis of silver nanoparticles using aqueous extract from the compactin producing fungal strain. <i>Process Biochemistry</i> , 2009, 44, 939-943.	3.7	314
26	Algae as potential feedstock for the production of biofuels and value-added products: Opportunities and challenges. <i>Science of the Total Environment</i> , 2020, 716, 137116.	8.0	299
27	Prevalence and hazardous impact of pharmaceutical and personal care products and antibiotics in environment: A review on emerging contaminants. <i>Environmental Research</i> , 2021, 194, 110664.	7.5	287
28	Comparative evaluation of neutral protease production by <i>Aspergillus oryzae</i> in submerged and solid-state fermentation. <i>Process Biochemistry</i> , 2005, 40, 2689-2694.	3.7	278
29	Microalgal hydrogen production – A review. <i>Bioresource Technology</i> , 2017, 243, 1194-1206.	9.6	275
30	Carbon-Increasing Catalytic Strategies for Upgrading Biomass into Energy-Intensive Fuels and Chemicals. <i>ACS Catalysis</i> , 2018, 8, 148-187.	11.2	267
31	Production, purification and properties of microbial phytases. <i>Bioresource Technology</i> , 2001, 77, 203-214.	9.6	256
32	Microbial strategies for bio-transforming food waste into resources. <i>Bioresource Technology</i> , 2020, 299, 122580.	9.6	248
33	Direct lactic acid fermentation: Focus on simultaneous saccharification and lactic acid production. <i>Biotechnology Advances</i> , 2009, 27, 145-152.	11.7	232
34	Lignocellulosic ethanol in India: Prospects, challenges and feedstock availability. <i>Bioresource Technology</i> , 2010, 101, 4826-4833.	9.6	220
35	Bioflocculation: An alternative strategy for harvesting of microalgae – An overview. <i>Bioresource Technology</i> , 2017, 242, 227-235.	9.6	214
36	Comprehensive review on toxicity of persistent organic pollutants from petroleum refinery waste and their degradation by microorganisms. <i>Chemosphere</i> , 2017, 188, 280-291.	8.2	212

#	ARTICLE	IF	CITATIONS
37	Response surface methodology for the optimization of alpha amylase production by <i>Bacillus amyloliquefaciens</i> . <i>Bioresource Technology</i> , 2008, 99, 4597-4602.	9.6	211
38	Refining biomass residues for sustainable energy and bio-products: An assessment of technology, its importance, and strategic applications in circular bio-economy. <i>Renewable and Sustainable Energy Reviews</i> , 2020, 127, 109876.	16.4	203
39	Recent Developments in Microbial Inulinases: Its Production, Properties, and Industrial Applications. <i>Applied Biochemistry and Biotechnology</i> , 1999, 81, 35-52.	2.9	199
40	Potential of rice straw for bio-refining: An overview. <i>Bioresource Technology</i> , 2016, 215, 29-36.	9.6	199
41	Coconut oil cake “a potential raw material for the production of $\alpha$ -amylase. <i>Bioresource Technology</i> , 2004, 93, 169-174.	9.6	194
42	Thermostable cellulases: Current status and perspectives. <i>Bioresource Technology</i> , 2019, 279, 385-392.	9.6	188
43	Conversion of food and kitchen waste to value-added products. <i>Journal of Environmental Management</i> , 2019, 241, 619-630.	7.8	187
44	New developments in solid-state fermentation. <i>Process Biochemistry</i> , 2000, 35, 1211-1225.	3.7	184
45	Solid-state fermentation for L-lactic acid production from agro wastes using <i>Lactobacillus delbrueckii</i> . <i>Process Biochemistry</i> , 2006, 41, 759-763.	3.7	178
46	Effects of microbial culture and chicken manure biochar on compost maturity and greenhouse gas emissions during chicken manure composting. <i>Journal of Hazardous Materials</i> , 2020, 389, 121908.	12.4	178
47	A critical review of organic manure biorefinery models toward sustainable circular bioeconomy: Technological challenges, advancements, innovations, and future perspectives. <i>Renewable and Sustainable Energy Reviews</i> , 2019, 111, 115-131.	16.4	177
48	Solid-state fermentation for the production of <i>Monascus</i> pigments from jackfruit seed. <i>Bioresource Technology</i> , 2007, 98, 1554-1560.	9.6	176
49	Dilute acid pretreatment and enzymatic saccharification of sugarcane tops for bioethanol production. <i>Bioresource Technology</i> , 2011, 102, 10915-10921.	9.6	176
50	Bioconversion of sugarcane crop residue for value added products “ An overview. <i>Renewable Energy</i> , 2016, 98, 203-215.	8.9	176
51	Characterization of an exopolysaccharide with potential health-benefit properties from a probiotic <i>Lactobacillus plantarum</i> RJF4. <i>LWT - Food Science and Technology</i> , 2015, 64, 1179-1186.	5.2	175
52	Strategies for design of improved biocatalysts for industrial applications. <i>Bioresource Technology</i> , 2017, 245, 1304-1313.	9.6	175
53	2,4-Di-tert-butyl phenol as the antifungal, antioxidant bioactive purified from a newly isolated <i>Lactococcus</i> sp.. <i>International Journal of Food Microbiology</i> , 2015, 211, 44-50.	4.7	168
54	Recent Advances in Machine Learning Research for Nanofluid-Based Heat Transfer in Renewable Energy System. <i>Energy &amp; Fuels</i> , 2022, 36, 6626-6658.	5.1	164

#	ARTICLE	IF	CITATIONS
55	Solid-state fermentation for the synthesis of citric acid by <i>Aspergillus niger</i> . <i>Bioresource Technology</i> , 2000, 74, 175-178.	9.6	151
56	Crude oil biodegradation aided by biosurfactants from <i>Pseudozyma</i> sp. NII 08165 or its culture broth. <i>Bioresource Technology</i> , 2015, 191, 133-139.	9.6	151
57	Solid state fermentation of food waste mixtures for single cell protein, aroma volatiles and fat production. <i>Food Chemistry</i> , 2014, 145, 710-716.	8.2	148
58	Current research trends on micro- and nano-plastics as an emerging threat to global environment: A review. <i>Journal of Hazardous Materials</i> , 2021, 409, 124967.	12.4	147
59	Organic solvent adaptation of Gram positive bacteria: Applications and biotechnological potentials. <i>Biotechnology Advances</i> , 2011, 29, 442-452.	11.7	145
60	Bacterial polyhydroxyalkanoates: Opportunities, challenges, and prospects. <i>Journal of Cleaner Production</i> , 2020, 263, 121500.	9.3	145
61	Advances in solid-state fermentation for bioconversion of agricultural wastes to value-added products: Opportunities and challenges. <i>Bioresource Technology</i> , 2022, 343, 126065.	9.6	144
62	Production of bio-ethanol from soybean molasses by <i>Saccharomyces cerevisiae</i> at laboratory, pilot and industrial scales. <i>Bioresource Technology</i> , 2008, 99, 8156-8163.	9.6	143
63	Zeolite and zeotype-catalysed transformations of biofuranic compounds. <i>Green Chemistry</i> , 2016, 18, 5701-5735.	9.0	142
64	Water hyacinth a potential source for value addition: An overview. <i>Bioresource Technology</i> , 2017, 230, 152-162.	9.6	141
65	Comprehensive review on the application of inorganic and organic nanoparticles for enhancing biohydrogen production. <i>Fuel</i> , 2020, 270, 117453.	6.4	139
66	Biological detoxification of coffee husk by filamentous fungi using a solid state fermentation system. <i>Enzyme and Microbial Technology</i> , 2000, 27, 127-133.	3.2	138
67	Recent advances in biodiesel production: Challenges and solutions. <i>Science of the Total Environment</i> , 2021, 794, 148751.	8.0	137
68	Harvesting of microalgal biomass: Efficient method for flocculation through pH modulation. <i>Bioresource Technology</i> , 2016, 213, 216-221.	9.6	131
69	Isolation and characterization of novel plant growth promoting <i>Micrococcus</i> sp NII-0909 and its interaction with cowpea. <i>Plant Physiology and Biochemistry</i> , 2010, 48, 987-992.	5.8	127
70	Extra-cellular l-glutaminase production by <i>Zygosaccharomyces rouxii</i> under solid-state fermentation. <i>Process Biochemistry</i> , 2002, 38, 307-312.	3.7	125
71	Isolation, selection and evaluation of yeasts for use in fermentation of coffee beans by the wet process. <i>International Journal of Food Microbiology</i> , 2014, 188, 60-66.	4.7	124
72	A critical review on various feedstocks as sustainable substrates for biosurfactants production: a way towards cleaner production. <i>Microbial Cell Factories</i> , 2021, 20, 120.	4.0	124

#	ARTICLE	IF	CITATIONS
73	Microbial degradation of high impact polystyrene (HIPS), an e-plastic with decabromodiphenyl oxide and antimony trioxide. <i>Journal of Hazardous Materials</i> , 2016, 318, 347-354.	12.4	123
74	Prebiotic Oligosaccharides: Special Focus on Fructooligosaccharides, Its Biosynthesis and Bioactivity. <i>Applied Biochemistry and Biotechnology</i> , 2017, 183, 613-635.	2.9	122
75	Recent advances in the production of value added chemicals and lipids utilizing biodiesel industry generated crude glycerol as a substrate – Metabolic aspects, challenges and possibilities: An overview. <i>Bioresource Technology</i> , 2017, 239, 507-517.	9.6	121
76	Algal Green Energy – R&D and technological perspectives for biodiesel production. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 82, 2946-2969.	16.4	121
77	Bio-ethanol from water hyacinth biomass: An evaluation of enzymatic saccharification strategy. <i>Bioresource Technology</i> , 2010, 101, 925-930.	9.6	119
78	Probiotic Bile Salt Hydrolase: Current Developments and Perspectives. <i>Applied Biochemistry and Biotechnology</i> , 2010, 162, 166-180.	2.9	118
79	Pentose-rich hydrolysate from acid pretreated rice straw as a carbon source for the production of poly-3-hydroxybutyrate. <i>Biochemical Engineering Journal</i> , 2013, 78, 67-72.	3.6	118
80	Process optimization for antifungal chitinase production by <i>Trichoderma harzianum</i> . <i>Process Biochemistry</i> , 2004, 39, 1583-1590.	3.7	116
81	Characterization and stability of proteases from <i>Penicillium</i> sp. produced by solid-state fermentation. <i>Enzyme and Microbial Technology</i> , 2003, 32, 246-251.	3.2	115
82	Biobutanol production from rice straw by a non acetone producing <i>Clostridium sporogenes</i> BE01. <i>Bioresource Technology</i> , 2013, 145, 182-187.	9.6	115
83	Iron requirement and search for siderophores in lactic acid bacteria. <i>Applied Microbiology and Biotechnology</i> , 1994, 40, 735-739.	3.6	114
84	Improved Cellulase Production by <i>Trichoderma reesei</i> RUT C30 under SSF Through Process Optimization. <i>Applied Biochemistry and Biotechnology</i> , 2007, 142, 60-70.	2.9	114
85	Current perspectives in enzymatic saccharification of lignocellulosic biomass. <i>Biochemical Engineering Journal</i> , 2015, 102, 38-44.	3.6	113
86	Fruity flavour production by <i>Ceratocystis fimbriata</i> grown on coffee husk in solid-state fermentation. <i>Process Biochemistry</i> , 2000, 35, 857-861.	3.7	112
87	Genetic modification: A tool for enhancing beta-glucosidase production for biofuel application. <i>Bioresource Technology</i> , 2017, 245, 1352-1361.	9.6	110
88	Characteristics of hydrogen production from steam gasification of plant-originated lignocellulosic biomass and its prospects in Vietnam. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 4394-4425.	7.1	110
89	Tannase production by <i>Lactobacillus</i> sp. ASR-S1 under solid-state fermentation. <i>Process Biochemistry</i> , 2006, 41, 575-580.	3.7	109
90	Physicochemical characterization of alkali pretreated sugarcane tops and optimization of enzymatic saccharification using response surface methodology. <i>Renewable Energy</i> , 2014, 62, 362-368.	8.9	109

#	ARTICLE	IF	CITATIONS
91	Thermostable xylanases from thermophilic fungi and bacteria: Current perspective. <i>Bioresource Technology</i> , 2019, 277, 195-203.	9.6	109
92	Challenges and opportunities in bioremediation of micro-nano plastics: A review. <i>Science of the Total Environment</i> , 2022, 802, 149823.	8.0	109
93	Cellulase Production Under Solid-State Fermentation by <i>Trichoderma reesei</i> RUT C30: Statistical Optimization of Process Parameters. <i>Applied Biochemistry and Biotechnology</i> , 2008, 151, 122-131.	2.9	108
94	Comparison of phytase production on wheat bran and oilcakes in solid-state fermentation by <i>Mucor racemosus</i> . <i>Bioresource Technology</i> , 2006, 97, 506-511.	9.6	106
95	Effect of dilute acid pretreatment of wild rice grass ( <i>Zizania latifolia</i> ) from Loktak Lake for enzymatic hydrolysis. <i>Bioresource Technology</i> , 2018, 253, 252-255.	9.6	105
96	Global Burden of Childhood Epilepsy, Intellectual Disability, and Sensory Impairments. <i>Pediatrics</i> , 2020, 146, e20192623.	2.1	104
97	Optimization of the production of aroma compounds by <i>Kluyveromyces marxianus</i> in solid-state fermentation using factorial design and response surface methodology. <i>Biochemical Engineering Journal</i> , 2000, 6, 33-39.	3.6	103
98	Perspective review on Municipal Solid Waste-to-energy route: Characteristics, management strategy, and role in circular economy. <i>Journal of Cleaner Production</i> , 2022, 359, 131897.	9.3	103
99	Batch Fermentation Model of Propionic Acid Production by <i>Propionibacterium acidipropionici</i> in Different Carbon Sources. <i>Applied Biochemistry and Biotechnology</i> , 2008, 151, 333-341.	2.9	99
100	Antioxidant and hepatoprotective potential of endo-polysaccharides from <i>Herichium erinaceus</i> grown on tofu whey. <i>International Journal of Biological Macromolecules</i> , 2012, 51, 1140-1146.	7.5	99
101	Aspects of fermenter design for solid-state fermentations. <i>Process Biochemistry</i> , 1991, 26, 355-361.	3.7	98
102	Solid state fermentation for the synthesis of inulinase from <i>Staphylococcus</i> sp. and <i>Kluyveromyces marxianus</i> . <i>Process Biochemistry</i> , 1999, 34, 851-855.	3.7	96
103	Metagenome Analysis: a Powerful Tool for Enzyme Bioprospecting. <i>Applied Biochemistry and Biotechnology</i> , 2017, 183, 636-651.	2.9	96
104	Emerging applications of biochar: Improving pig manure composting and attenuation of heavy metal mobility in mature compost. <i>Journal of Hazardous Materials</i> , 2020, 389, 122116.	12.4	96
105	Bioremediation of oily sludge polluted soil employing a novel strain of <i>Pseudomonas aeruginosa</i> and phytotoxicity of petroleum hydrocarbons for seed germination. <i>Science of the Total Environment</i> , 2020, 737, 139766.	8.0	94
106	Agricultural waste biorefinery development towards circular bioeconomy. <i>Renewable and Sustainable Energy Reviews</i> , 2022, 158, 112122.	16.4	94
107	Mixed substrate fermentation for the production of phytase by <i>Rhizopus</i> spp. using oilcakes as substrates. <i>Process Biochemistry</i> , 2005, 40, 1749-1754.	3.7	93
108	Critical Review on Biocharâ€Supported Catalysts for Pollutant Degradation and Sustainable Biorefinery. <i>Advanced Sustainable Systems</i> , 2020, 4, 1900149.	5.3	93

#	ARTICLE	IF	CITATIONS
109	Organic solid waste biorefinery: Sustainable strategy for emerging circular bioeconomy in China. <i>Industrial Crops and Products</i> , 2020, 153, 112568.	5.2	93
110	Assessing the impact of industrial waste on environment and mitigation strategies: A comprehensive review. <i>Journal of Hazardous Materials</i> , 2020, 398, 123019.	12.4	92
111	Formic Acid as a Potential Pretreatment Agent for the Conversion of Sugarcane Bagasse to Bioethanol. <i>Applied Biochemistry and Biotechnology</i> , 2010, 162, 2313-2323.	2.9	90
112	Cellulase production through solid-state tray fermentation, and its use for bioethanol from sorghum stover. <i>Bioresource Technology</i> , 2017, 242, 265-271.	9.6	90
113	Biotechnological potential of yeasts in functional food industry. <i>Trends in Food Science and Technology</i> , 2019, 83, 129-137.	15.1	90
114	Development of a novel sequential pretreatment strategy for the production of bioethanol from sugarcane trash. <i>Bioresource Technology</i> , 2016, 199, 202-210.	9.6	88
115	Heterogeneity of zeolite combined with biochar properties as a function of sewage sludge composting and production of nutrient-rich compost. <i>Waste Management</i> , 2017, 68, 760-773.	7.4	88
116	Genomic and proteomic analysis of lignin degrading and polyhydroxyalkanoate accumulating <i>l2</i> -proteobacterium <i>Pandoraea</i> sp. ISTKB. <i>Biotechnology for Biofuels</i> , 2018, 11, 154.	6.2	88
117	Fermentative production of gellan using <i>Sphingomonas paucimobilis</i> . <i>Process Biochemistry</i> , 2003, 38, 1513-1519.	3.7	87
118	Biopigments from <i>Monascus</i> : strains selection, citrinin production and color stability. <i>Brazilian Archives of Biology and Technology</i> , 2005, 48, 885-894.	0.5	86
119	Isolation and characterization of plant growth promoting bacteria from non-rhizospheric soil and their effect on cowpea ( <i>Vigna unguiculata</i> (L.) Walp.) seedling growth. <i>World Journal of Microbiology and Biotechnology</i> , 2010, 26, 1233-1240.	3.6	86
120	High temperature pretreatment and hydrolysis of cotton stalk for producing sugars for bioethanol production. <i>Fuel</i> , 2012, 92, 340-345.	6.4	86
121	An evaluation of dilute acid and ammonia fiber explosion pretreatment for cellulosic ethanol production. <i>Bioresource Technology</i> , 2016, 199, 13-20.	9.6	86
122	Biomass-derived biochar: From production to application in removing heavy metal-contaminated water. <i>Chemical Engineering Research and Design</i> , 2022, 160, 704-733.	5.6	86
123	Metabolic engineering approaches for lactic acid production. <i>Process Biochemistry</i> , 2006, 41, 991-1000.	3.7	85
124	Recent developments in microbial oils production: a possible alternative to vegetable oils for biodiesel without competition with human food?. <i>Brazilian Archives of Biology and Technology</i> , 2012, 55, 29-46.	0.5	84
125	Molecular improvements in microbial $\alpha$ -amylases for enhanced stability and catalytic efficiency. <i>Bioresource Technology</i> , 2017, 245, 1740-1748.	9.6	84
126	Biological valorization of pure and crude glycerol into 1,3-propanediol using a novel isolate <i>Lactobacillus brevis</i> N1E9.3.3. <i>Bioresource Technology</i> , 2016, 213, 222-230.	9.6	83



#	ARTICLE	IF	CITATIONS
127	Rapid degradation of the organophosphate pesticide “Chlorpyrifos by a novel strain of <i>Pseudomonas nitroreducens</i> AR-3. <i>Bioresource Technology</i> , 2019, 292, 122025.	9.6	83
128	Recycling of cathode material from spent lithium-ion batteries: Challenges and future perspectives. <i>Journal of Hazardous Materials</i> , 2022, 429, 128312.	12.4	83
129	Extracellular chitinase production by <i>Trichoderma harzianum</i> in submerged fermentation. <i>Journal of Basic Microbiology</i> , 2004, 44, 49-58.	3.3	81
130	Probiotic fermented foods for health benefits. <i>Engineering in Life Sciences</i> , 2012, 12, 377-390.	3.6	81
131	Polyhydroxybutyrate production using agro-industrial residue as substrate by <i>Bacillus sphaericus</i> NCIM 5149. <i>Brazilian Archives of Biology and Technology</i> , 2009, 52, 17-23.	0.5	80
132	Characterization of laccase isoforms produced by <i>Pleurotus ostreatus</i> in solid state fermentation of sugarcane bagasse. <i>Bioresource Technology</i> , 2012, 114, 735-739.	9.6	80
133	Studies on structural and physical characteristics of a novel exopolysaccharide from <i>Pseudozyma</i> sp. NII 08165. <i>International Journal of Biological Macromolecules</i> , 2013, 59, 84-89.	7.5	80
134	Production of Phytase by <i>Mucor racemosus</i> in Solid-State Fermentation. <i>Biotechnology Progress</i> , 2003, 19, 312-319.	2.6	79
135	Nanocellulose-based products for sustainable applications-recent trends and possibilities. <i>Reviews in Environmental Science and Biotechnology</i> , 2020, 19, 779-806.	8.1	79
136	Scale-up strategies for packed-bed bioreactors for solid-state fermentation. <i>Process Biochemistry</i> , 1999, 35, 167-178.	3.7	78
137	Organosolvent pretreatment and enzymatic hydrolysis of rice straw for the production of bioethanol. <i>World Journal of Microbiology and Biotechnology</i> , 2012, 28, 473-483.	3.6	77
138	Bioethanol production from dilute acid pretreated Indian bamboo variety ( <i>Dendrocalamus</i> sp.) by separate hydrolysis and fermentation. <i>Industrial Crops and Products</i> , 2014, 52, 169-176.	5.2	77
139	Techno-economics and life-cycle assessment of biological and thermochemical treatment of bio-waste. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 144, 110837.	16.4	77
140	Enzymatic synthesis of banana flavour (isoamyl acetate) by <i>Bacillus licheniformis</i> S-86 esterase. <i>Food Research International</i> , 2009, 42, 454-460.	6.2	76
141	Novel enzymatic processes applied to the food industry. <i>Current Opinion in Food Science</i> , 2016, 7, 64-72.	8.0	76
142	Solid-State Fermentation for Production of Phytase by <i>Rhizopus oligosporus</i> . <i>Applied Biochemistry and Biotechnology</i> , 2002, 102-103, 251-260.	2.9	75
143	Effect of stress on growth, pigment production and morphology of <i>Monascus</i> sp. in solid cultures. <i>Journal of Basic Microbiology</i> , 2007, 47, 118-126.	3.3	75
144	Nanocellulose as green material for remediation of hazardous heavy metal contaminants. <i>Journal of Hazardous Materials</i> , 2022, 424, 127516.	12.4	75

#	ARTICLE	IF	CITATIONS
145	Microbial production of extra-cellular phytase using polystyrene as inert solid support. Bioresource Technology, 2002, 83, 229-233.	9.6	74
146	Purification and characterisation of an acidic and antifungal chitinase produced by a Streptomyces sp.. Bioresource Technology, 2015, 188, 195-201.	9.6	72
147	Thermostable Phytase Production by <i>Thermoascus aurantiacus</i> in Submerged Fermentation. Applied Biochemistry and Biotechnology, 2004, 118, 205-214.	2.9	71
148	Bioremediated techniques for remediation of metal pollutants using metagenomics approaches: A review. Journal of Environmental Chemical Engineering, 2021, 9, 105684.	6.7	71
149	Glucoamylase Research: An Overview. Starch/Staerke, 1995, 47, 439-445.	2.1	70
150	Sustainable and eco-friendly strategies for shrimp shell valorization. Environmental Pollution, 2020, 267, 115656.	7.5	70
151	Title is missing!. World Journal of Microbiology and Biotechnology, 2001, 17, 767-771.	3.6	68
152	Production and partial purification of $\alpha$ -amylase from a novel isolate Streptomyces gulbargensis. Journal of Industrial Microbiology and Biotechnology, 2009, 36, 189-194.	3.0	68
153	A critical review on the development stage of biorefinery systems towards the management of apple processing-derived waste. Renewable and Sustainable Energy Reviews, 2021, 143, 110972.	16.4	68
154	Simultaneous Saccharification and Fermentation of Cassava Bagasse for L-(+)-Lactic Acid Production Using Lactobacilli. Applied Biochemistry and Biotechnology, 2006, 134, 263-272.	2.9	67
155	Processing of municipal solid waste resources for a circular economy in China: An overview. Fuel, 2022, 317, 123478.	6.4	67
156	Organic wastes bioremediation and its changing prospects. Science of the Total Environment, 2022, 824, 153889.	8.0	67
157	Ethanol production in solid substrate fermentation using thermotolerant yeast. Process Biochemistry, 1999, 34, 115-119.	3.7	65
158	Valorization of cashew nut processing residues for industrial applications. Industrial Crops and Products, 2020, 152, 112550.	5.2	65
159	Lignocellulosic bio-refinery approach for microbial 2,3-Butanediol production. Bioresource Technology, 2020, 302, 122873.	9.6	64
160	Role of microbial diversity to influence the growth and environmental remediation capacity of bamboo: A review. Industrial Crops and Products, 2021, 167, 113567.	5.2	64
161	Multi-criteria research lines on livestock manure biorefinery development towards a circular economy: From the perspective of a life cycle assessment and business models strategies. Journal of Cleaner Production, 2022, 341, 130862.	9.3	64
162	Biosynthesis of glucoamylase from <i>Aspergillus niger</i> by solid-state fermentation using tea waste as the basis of a solid substrate. Bioresource Technology, 1998, 65, 83-85.	9.6	63

#	ARTICLE	IF	CITATIONS
163	Computational fluid dynamics modeling of gas dispersion in multi impeller bioreactor. Journal of Bioscience and Bioengineering, 2010, 109, 588-597.	2.2	63
164	Advancement in valorization technologies to improve utilization of bio-based waste in bioeconomy context. Renewable and Sustainable Energy Reviews, 2020, 131, 109965.	16.4	63
165	Solid state fermentation for L-glutamic acid production using <i>Brevibacterium</i> sp.. Biotechnology Letters, 1996, 18, 199-204.	2.2	62
166	Highly glucose tolerant Î <sup>2</sup> -glucosidase from <i>Aspergillus unguis</i> : NII 08123 for enhanced hydrolysis of biomass. Journal of Industrial Microbiology and Biotechnology, 2013, 40, 967-975.	3.0	62
167	Studies on biosurfactants from <i>Pseudozyma</i> sp. NII 08165 and their potential application as laundry detergent additives. Biochemical Engineering Journal, 2013, 78, 85-92.	3.6	62
168	Thermostable phytase in feed and fuel industries. Bioresource Technology, 2019, 278, 400-407.	9.6	62
169	Effect of light on growth, pigment production and culture morphology of <i>Monascus purpureus</i> in solid-state fermentation. World Journal of Microbiology and Biotechnology, 2008, 24, 2671-2675.	3.6	61
170	Application of the biorefinery concept to produce l-lactic acid from the soybean vinasse at laboratory and pilot scale. Bioresource Technology, 2011, 102, 1765-1772.	9.6	61
171	Bioethanol production from bamboo ( <i>Dendrocalamus</i> sp.) process waste. Biomass and Bioenergy, 2013, 59, 142-150.	5.7	61
172	Purification, characterization and some studies on secondary structure of tannase from <i>Aspergillus awamori</i> nakazawa. Process Biochemistry, 2005, 40, 3251-3254.	3.7	60
173	Statistical optimization of simultaneous saccharification and l(+)-lactic acid fermentation from cassava bagasse using mixed culture of lactobacilli by response surface methodology. Biochemical Engineering Journal, 2007, 36, 262-267.	3.6	60
174	Trends in mitigation of industrial waste: Global health hazards, environmental implications and waste derived economy for environmental sustainability. Science of the Total Environment, 2022, 811, 152357.	8.0	60
175	Statistical approach to optimization of fermentative production of gellan gum from <i>Sphingomonas paucimobilis</i> ATCC 31461. Journal of Bioscience and Bioengineering, 2006, 102, 150-156.	2.2	59
176	Remodeling agro-industrial and food wastes into value-added bioactives and biopolymers. Industrial Crops and Products, 2020, 154, 112621.	5.2	59
177	Can biochar regulate the fate of heavy metals (Cu and Zn) resistant bacteria community during the poultry manure composting?. Journal of Hazardous Materials, 2021, 406, 124593.	12.4	59
178	Effect of particle size of substrate of enzyme production in solid-state fermentation. Bioresource Technology, 1991, 37, 169-172.	9.6	58
179	Optimization of liquid media for lipase production by <i>Candida rugosa</i> . Bioresource Technology, 1996, 55, 167-170.	9.6	58
180	Application of a new xylanase activity from <i>Bacillus amyloliquefaciens</i> XR44A in brewer's spent grain saccharification. Journal of Chemical Technology and Biotechnology, 2015, 90, 573-581.	3.2	58

#	ARTICLE	IF	CITATIONS
181	Hydrolysis of pretreated rice straw by an enzyme cocktail comprising acidic xylanase from <i>Aspergillus</i> sp. for bioethanol production. <i>Renewable Energy</i> , 2016, 98, 9-15.	8.9	58
182	Biocatalytic strategies for the production of high fructose syrup from inulin. <i>Bioresource Technology</i> , 2018, 260, 395-403.	9.6	58
183	Kinetic and thermodynamic investigations of sewage sludge biochar in removal of Remazol Brilliant Blue R dye from aqueous solution and evaluation of residual dyes cytotoxicity. <i>Environmental Technology and Innovation</i> , 2021, 23, 101556.	6.1	58
184	Patterns of heavy metal resistant bacterial community succession influenced by biochar amendment during poultry manure composting. <i>Journal of Hazardous Materials</i> , 2021, 420, 126562.	12.4	58
185	An assessment of the persistence of pathogenic bacteria removal in chicken manure compost employing clay as additive via meta-genomic analysis. <i>Journal of Hazardous Materials</i> , 2019, 366, 184-191.	12.4	57
186	Biochar for remediation of agrochemicals and synthetic organic dyes from environmental samples: A review. <i>Chemosphere</i> , 2021, 272, 129917.	8.2	57
187	Microbial dynamics during anaerobic digestion of sewage sludge combined with food waste at high organic loading rates in immersed membrane bioreactors. <i>Fuel</i> , 2021, 303, 121276.	6.4	57
188	L(+)-Lactic Acid Production Using <i>Lactobacillus Casei</i> in Solid-State Fermentation. <i>Biotechnology Letters</i> , 2005, 27, 1685-1688.	2.2	56
189	Recent advancements in the production and application of microbial pectinases: an overview. <i>Reviews in Environmental Science and Biotechnology</i> , 2017, 16, 381-394.	8.1	56
190	Sustainability and life cycle assessments of lignocellulosic and algal pretreatments. <i>Bioresource Technology</i> , 2020, 301, 122678.	9.6	56
191	Probiotics and gut microbiome – Prospects and challenges in remediating heavy metal toxicity. <i>Journal of Hazardous Materials</i> , 2021, 420, 126676.	12.4	56
192	Catalyst-Based Synthesis of 2,5-Dimethylfuran from Carbohydrates as a Sustainable Biofuel Production Route. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 3079-3115.	6.7	56
193	Biochemical Characterization of Raw-starch-digesting Alpha Amylase Purified from <i>Bacillus amyloliquefaciens</i> . <i>Applied Biochemistry and Biotechnology</i> , 2009, 158, 653-662.	2.9	55
194	Energy requirement for alkali assisted microwave and high pressure reactor pretreatments of cotton plant residue and its hydrolysis for fermentable sugar production for biofuel application. <i>Bioresource Technology</i> , 2012, 112, 300-307.	9.6	55
195	Biofuel production from microalgae: challenges and chances. <i>Phytochemistry Reviews</i> , 2023, 22, 1089-1126.	6.5	55
196	Fungal biosynthesis of endochitinase and chitobiase in solid state fermentation and their application for the production of N-acetyl-d-glucosamine from colloidal chitin. <i>Bioresource Technology</i> , 2007, 98, 2742-2748.	9.6	54
197	Hydrolysis of Lignocellulosic Biomass for Bioethanol Production. , 2011, , 229-250.		54
198	Effect of nutritional and environmental conditions on the production of exo-polysaccharide of <i>Agaricus brasiliensis</i> by submerged fermentation and its antitumor activity. <i>LWT - Food Science and Technology</i> , 2007, 40, 30-35.	5.2	53

#	ARTICLE	IF	CITATIONS
199	Experimental design to enhance the production of l-(+)-lactic acid from steam-exploded wood hydrolysate using <i>Rhizopus oryzae</i> in a mixed-acid fermentation. <i>Process Biochemistry</i> , 1999, 34, 949-955.	3.7	52
200	Relation between growth, respirometric analysis and biopigments production from <i>Monascus</i> by solid-state fermentation. <i>Biochemical Engineering Journal</i> , 2006, 29, 262-269.	3.6	52
201	Properties of a major $\beta$ -glucosidase-BGL1 from <i>Aspergillus niger</i> NII-08121 expressed differentially in response to carbon sources. <i>Process Biochemistry</i> , 2011, 46, 1521-1524.	3.7	52
202	Hydrotropic pretreatment on rice straw for bioethanol production. <i>Renewable Energy</i> , 2016, 98, 2-8.	8.9	51
203	Occurrence of emerging sulfonamide resistance (sul1 and sul2) associated with mobile integrons-integrase (intl1 and intl2) in riverine systems. <i>Science of the Total Environment</i> , 2021, 751, 142217.	8.0	51
204	Biotechnological strategies for bio-transforming biosolid into resources toward circular bio-economy: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2022, 156, 111987.	16.4	51
205	Minimizing hazardous impact of food waste in a circular economy “Advances in resource recovery through green strategies. <i>Journal of Hazardous Materials</i> , 2021, 416, 126154.	12.4	50
206	Potential utilization of dairy industries by-products and wastes through microbial processes: A critical review. <i>Science of the Total Environment</i> , 2022, 810, 152253.	8.0	50
207	Gibberellic Acid Production by Solid-State Fermentation in Coffee Husk. <i>Applied Biochemistry and Biotechnology</i> , 2002, 102-103, 179-192.	2.9	49
208	Sustainable green processing of grape pomace for the production of value-added products: An overview. <i>Environmental Technology and Innovation</i> , 2021, 23, 101592.	6.1	49
209	Immobilized bacterial $\alpha$ -amylase for effective hydrolysis of raw and soluble starch. <i>Food Research International</i> , 2009, 42, 436-442.	6.2	48
210	Improvements in solid-state fermentation for glucoamylase production. <i>Biological Wastes</i> , 1990, 34, 11-19.	0.2	47
211	Production and purification of extracellular chitinases from <i>Penicillium aculeatum</i> NRRL 2129 under solid-state fermentation. <i>Enzyme and Microbial Technology</i> , 2005, 36, 880-887.	3.2	47
212	Evaluation of hydrotropic pretreatment on lignocellulosic biomass. <i>Bioresource Technology</i> , 2016, 213, 350-358.	9.6	47
213	Sustainable biochar: A facile strategy for soil and environmental restoration, energy generation, mitigation of global climate change and circular bioeconomy. <i>Chemosphere</i> , 2022, 293, 133474.	8.2	47
214	Recent developments in l-glutaminase production and applications “An overview. <i>Bioresource Technology</i> , 2017, 245, 1766-1774.	9.6	46
215	Manure pretreatments with black soldier fly <i>Hermetia illucens</i> L. (Diptera: Stratiomyidae): A study to reduce pathogen content. <i>Science of the Total Environment</i> , 2020, 737, 139842.	8.0	46
216	Hydrolysis of biomass using a reusable solid carbon acid catalyst and fermentation of the catalytic hydrolysate to ethanol. <i>Bioresource Technology</i> , 2015, 188, 99-102.	9.6	45

#	ARTICLE	IF	CITATIONS
217	Development of a novel ultrasound-assisted alkali pretreatment strategy for the production of bioethanol and xylanases from chili post harvest residue. <i>Bioresource Technology</i> , 2017, 242, 146-151.	9.6	45
218	Packed-bed column bioreactor for production of enzyme. <i>Enzyme and Microbial Technology</i> , 1992, 14, 486-488.	3.2	44
219	Eco-epidemiological survey of <i>Leishmania (Viannia) braziliensis</i> American cutaneous and mucocutaneous leishmaniasis in Ribeira Valley River, Paraná State, Brazil. <i>Acta Tropica</i> , 2005, 93, 141-149.	2.0	44
220	Advances in Thermochemical Conversion of Biomass—Introduction. , 2015, , 3-30.		44
221	Technological perspectives for utilisation of waste glycerol for the production of biofuels: A review. <i>Environmental Technology and Innovation</i> , 2021, 24, 101902.	6.1	44
222	Updates on high value products from cellulosic biorefinery. <i>Fuel</i> , 2022, 308, 122056.	6.4	44
223	Sequential presence of heavy metal resistant fungal communities influenced by biochar amendment in the poultry manure composting process. <i>Journal of Cleaner Production</i> , 2021, 291, 125947.	9.3	43
224	Potential of nanocellulose for wastewater treatment. <i>Chemosphere</i> , 2021, 281, 130738.	8.2	43
225	The production of glucoamylase by <i>Aspergillus niger</i> NCIM 1245. <i>Process Biochemistry</i> , 1993, 28, 305-309.	3.7	42
226	An organic-solvent-tolerant esterase from thermophilic <i>Bacillus licheniformis</i> S-86. <i>Bioresource Technology</i> , 2009, 100, 896-902.	9.6	42
227	Potential plant growth-promoting activity of <i>Serratia nematodiphila</i> NII-0928 on black pepper ( <i>Piper</i> ) Tj ETQq1 1 0.784314 rgBT /Overl	3.6	41
228	Application of metagenomic analysis for detection of the reduction in the antibiotic resistance genes (ARGs) by the addition of clay during poultry manure composting. <i>Chemosphere</i> , 2019, 220, 137-145.	8.2	41
229	Effect of biochar on emission, maturity and bacterial dynamics during sheep manure composting. <i>Renewable Energy</i> , 2020, 152, 421-429.	8.9	41
230	Lignocellulosic biomass-based engineered biochar composites: A facile strategy for abatement of emerging pollutants and utilization in industrial applications. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 152, 111643.	16.4	41
231	Bacterial nanocellulose: engineering, production, and applications. <i>Bioengineered</i> , 2021, 12, 11463-11483.	3.2	41
232	Advances on tailored biochar for bioremediation of antibiotics, pesticides and polycyclic aromatic hydrocarbon pollutants from aqueous and solid phases. <i>Science of the Total Environment</i> , 2022, 817, 153054.	8.0	41
233	Simultaneous saccharification and fermentation of oil palm front for the production of 2,3-butanediol. <i>Bioresource Technology</i> , 2019, 278, 145-149.	9.6	40
234	Advanced biomaterials for sustainable applications in the food industry: Updates and challenges. <i>Environmental Pollution</i> , 2021, 283, 117071.	7.5	40

#	ARTICLE	IF	CITATIONS
235	A novel sono-assisted acid pretreatment of chili post harvest residue for bioethanol production. Bioresource Technology, 2016, 213, 58-63.	9.6	39
236	Upgrading the value of anaerobic fermentation via renewable chemicals production: A sustainable integration for circular bioeconomy. Science of the Total Environment, 2022, 806, 150312.	8.0	39
237	Pontibacter niistensis sp. nov., isolated from forest soil. International Journal of Systematic and Evolutionary Microbiology, 2010, 60, 2867-2870.	1.7	39
238	Simultaneous saccharification and L-(+)-lactic acid fermentation of protease-treated wheat bran using mixed culture of lactobacilli. Biotechnology Letters, 2006, 28, 1823-1826.	2.2	38
239	Production, Purification, and Application of Microbial Enzymes. , 2017, , 13-41.		38
240	Biotechnological potential of <i>Beauveria bassiana</i> as a source of novel biocatalysts and metabolites. Critical Reviews in Biotechnology, 2020, 40, 1019-1034.	9.0	38
241	Solid-state fermentation technology and innovation for the production of agricultural and animal feed bioproducts. Systems Microbiology and Biomanufacturing, 2021, 1, 142-165.	2.9	38
242	Effect of sewage sludge biochar on the soil nutrient, microbial abundance, and plant biomass: A sustainable approach towards mitigation of solid waste. Chemosphere, 2022, 287, 132112.	8.2	38
243	Production of microalgae with high lipid content and their potential as sources of nutraceuticals. Phytochemistry Reviews, 2023, 22, 833-860.	6.5	38
244	An alkali-thermostable xylanase from <i>Bacillus pumilus</i> functionally expressed in <i>Kluyveromyces lactis</i> and evaluation of its deinking efficiency. Bioresource Technology, 2014, 165, 309-313.	9.6	37
245	Highly efficient bio-adsorption of Malachite green using Chinese Fan-Palm Biochar (Livistona) Tj ETQq1 1 0.784314,rgBT /Overlock 10	8.2	37
246	Bioengineered biochar as smart candidate for resource recovery toward circular bio-economy: a review. Bioengineered, 2021, 12, 10269-10301.	3.2	37
247	Microbial synthesis of poly-3-hydroxybutyrate and its application as targeted drug delivery vehicle. Bioresource Technology, 2013, 145, 290-296.	9.6	36
248	Cloning and expression of l-asparaginase from <i>E. coli</i> in eukaryotic expression system. Biochemical Engineering Journal, 2015, 102, 14-17.	3.6	36
249	Resource recovery through bioremediation of wastewaters and waste carbon by microalgae: a circular bioeconomy approach. Environmental Science and Pollution Research, 2021, 28, 58837-58856.	5.3	36
250	Production and Characterization of the Exopolysaccharides Produced by <i>Agaricus brasiliensis</i> in Submerged Fermentation. Applied Biochemistry and Biotechnology, 2008, 151, 283-294.	2.9	35
251	Effect of surface charge alteration on stability of l-asparaginase II from <i>Escherichia</i> sp.. Enzyme and Microbial Technology, 2014, 56, 15-19.	3.2	35
252	Microbial phytase: Impact of advances in genetic engineering in revolutionizing its properties and applications. Bioresource Technology, 2017, 245, 1790-1799.	9.6	35



#	ARTICLE	IF	CITATIONS
253	Citric acid bioproduction and downstream processing: Status, opportunities, and challenges. Bioresource Technology, 2021, 320, 124426.	9.6	35
254	Metal and metal(oids) removal efficiency using genetically engineered microbes: Applications and challenges. Journal of Hazardous Materials, 2021, 416, 125855.	12.4	35
255	Pyrolysis of almond ( <i>Prunus amygdalus</i> ) shells: Kinetic analysis, modelling, energy assessment and technical feasibility studies. Bioresource Technology, 2021, 337, 125466.	9.6	35
256	Improvement on Citric Acid Production in Solid-state Fermentation by <i>Aspergillus niger</i> LPB BC Mutant Using Citric Pulp. Applied Biochemistry and Biotechnology, 2009, 158, 72-87.	2.9	34
257	Plant growth promoting potential of <i>Pontibacter niistensis</i> in cowpea ( <i>Vigna unguiculata</i> (L.) Walp.). Applied Soil Ecology, 2011, 49, 250-255.	4.3	34
258	Algae biorefinery: A promising approach to promote microalgae industry and waste utilization. Journal of Biotechnology, 2022, 345, 1-16.	3.8	34
259	Multifunctional applications of bamboo crop beyond environmental management: an Indian prospective. Bioengineered, 2022, 13, 8893-8914.	3.2	34
260	Microbial Electro-Remediation (MER) of hazardous waste in aid of sustainable energy generation and resource recovery. Environmental Technology and Innovation, 2020, 19, 100997.	6.1	33
261	Succession of keratin-degrading bacteria and associated health risks during pig manure composting. Journal of Cleaner Production, 2020, 258, 120624.	9.3	33
262	Bioplastic production from renewable lignocellulosic feedstocks: a review. Reviews in Environmental Science and Biotechnology, 2021, 20, 167-187.	8.1	33
263	Phytodegradation Potential of <i>Erythrina crista-galli</i> L., Fabaceae, in Petroleum-Contaminated Soil. Applied Biochemistry and Biotechnology, 2009, 157, 10-22.	2.9	32
264	Rice straw hydrolysate to fuel and volatile fatty acid conversion by <i>Clostridium sporogenes</i> BE01: bio-electrochemical analysis of the electron transport mediators involved. Green Chemistry, 2015, 17, 3047-3058.	9.0	32
265	Synthetic Biology and Metabolic Engineering Approaches and Its Impact on Non-Conventional Yeast and Biofuel Production. Frontiers in Energy Research, 2017, 5, .	2.3	32
266	Critical review on bioconversion of winery wastes into value-added products. Industrial Crops and Products, 2020, 158, 112954.	5.2	32
267	Oilfield waste treatment using novel hydrocarbon utilizing bacterial consortium "A microcosm approach. Science of the Total Environment, 2020, 745, 141043.	8.0	32
268	Efficiency of transporter genes and proteins in hyperaccumulator plants for metals tolerance in wastewater treatment: Sustainable technique for metal detoxification. Environmental Technology and Innovation, 2021, 23, 101725.	6.1	32
269	Green route for recycling of low-cost waste resources for the biosynthesis of nanoparticles (NPs) and nanomaterials (NMs)-A review. Environmental Research, 2022, 207, 112202.	7.5	32
270	Solid-State Fermentation Technology for Bioconversion of Biomass and Agricultural Residues. , 2009, , 197-221.		31



#	ARTICLE	IF	CITATIONS
271	Folate-producing lactic acid bacteria from cow's milk with probiotic characteristics. International Journal of Dairy Technology, 2010, 63, 339-348.	2.8	31
272	Development of a combined pretreatment and hydrolysis strategy of rice straw for the production of bioethanol and biopolymer. Bioresource Technology, 2016, 215, 110-116.	9.6	31
273	Statistical optimization of solid-state fermentation for the production of fungal inulinase from apple pomace. Bioresource Technology Reports, 2020, 9, 100364.	2.7	31
274	Cleaner technologies to combat heavy metal toxicity. Journal of Environmental Management, 2021, 296, 113231.	7.8	31
275	Production of Starch Saccharifying Enzyme (Glucoamylase) in Solid Cultures. Starch/Staerke, 1992, 44, 75-77.	2.1	30
276	Comparison of Citric Acid Production by Solid-State Fermentation in Flask, Column, Tray, and Drum Bioreactors. Applied Biochemistry and Biotechnology, 2004, 118, 293-304.	2.9	30
277	Lignocellulosic Bioethanol. , 2011, , 101-122.		30
278	Physicochemical Characterization of an Exopolysaccharide Produced by a Newly Isolated Weissella cibaria. Applied Biochemistry and Biotechnology, 2015, 176, 440-453.	2.9	30
279	A biorefinery-based approach for the production of ethanol from enzymatically hydrolysed cotton stalks. Bioresource Technology, 2017, 242, 178-183.	9.6	30
280	Production of Pectinase from Bacillus sonorensis MPTD1. Food Technology and Biotechnology, 2018, 56, 110-116.	2.1	30
281	Non-conventional Yeast cell factories for sustainable bioprocesses. FEMS Microbiology Letters, 2018, 365, .	1.8	30
282	Biosynthesis of 2,5-furan dicarboxylic acid by Aspergillus flavus APLS-1: Process optimization and intermediate product analysis. Bioresource Technology, 2019, 284, 155-160.	9.6	30
283	Petroleum sludge polluted soil remediation: Integrated approach involving novel bacterial consortium and nutrient application. Science of the Total Environment, 2021, 763, 142934.	8.0	30
284	Development of an eco-friendly biodegradable plastic from jack fruit peel cellulose with different plasticizers and Boswellia serrata as filler. Science of the Total Environment, 2021, 767, 144285.	8.0	30
285	Preparation, characterization and agri applications of biochar produced by pyrolysis of sewage sludge at different temperatures. Science of the Total Environment, 2021, 795, 148722.	8.0	30
286	L(+)-Lactic acid recovery from cassava bagasse based fermented medium using anion exchange resins. Brazilian Archives of Biology and Technology, 2008, 51, 1241-1248.	0.5	29
287	A Statistical Approach for Optimization of Polyhydroxybutyrate Production by Bacillus sphaericus NCIM 5149 under Submerged Fermentation Using Central Composite Design. Applied Biochemistry and Biotechnology, 2010, 162, 996-1007.	2.9	29
288	Recent advances in microbial production of malic acid from renewable byproducts. Reviews in Environmental Science and Biotechnology, 2019, 18, 579-595.	8.1	29

#	ARTICLE	IF	CITATIONS
289	Biotransformation of 5-hydroxymethylfurfural by <i>Acinetobacter oleivorans</i> S27 for the synthesis of furan derivatives. <i>Bioresource Technology</i> , 2019, 282, 88-93.	9.6	29
290	Isolation and characterization of a novel $\alpha$ -amylase from a metagenomic library of Western Ghats of Kerala, India. <i>Biologia (Poland)</i> , 2011, 66, 939-944.	1.5	28
291	Discarded Oranges and Brewer's Spent Grains as Promoting Ingredients for Microbial Growth by Submerged and Solid State Fermentation of Agro-industrial Waste Mixtures. <i>Applied Biochemistry and Biotechnology</i> , 2013, 170, 1885-1895.	2.9	28
292	Adsorptive and photocatalytic properties of metal oxides towards arsenic remediation from water: A review. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 106376.	6.7	28
293	Microalgae-based carbon capture and utilization: A critical review on current system developments and biomass utilization. <i>Critical Reviews in Environmental Science and Technology</i> , 2023, 53, 216-238.	12.8	28
294	White Biotechnology in Cosmetics. , 2015, , 607-652.		27
295	Expression system for heterologous protein expression in the filamentous fungus <i>Aspergillus unguis</i> . <i>Bioresource Technology</i> , 2017, 245, 1334-1342.	9.6	27
296	Pentose rich acid pretreated liquor as co-substrate for 1,3-propanediol production. <i>Renewable Energy</i> , 2018, 129, 794-799.	8.9	27
297	Microbial engineering for the production of isobutanol: current status and future directions. <i>Bioengineered</i> , 2021, 12, 12308-12321.	3.2	27
298	Cellulase and ligninase production by basidiomycete culture in solid-state fermentation. <i>Biological Wastes</i> , 1987, 20, 1-9.	0.2	26
299	Comparative studies on inulinase synthesis by <i>Staphylococcus</i> sp. and <i>Kluyveromyces marxianus</i> in submerged culture. <i>Bioresource Technology</i> , 1999, 69, 123-127.	9.6	26
300	A new alternative to produce gibberellic acid by solid state fermentation. <i>Brazilian Archives of Biology and Technology</i> , 2009, 52, 181-188.	0.5	26
301	Surfactant-Assisted Acid Pretreatment of Sugarcane Tops for Bioethanol Production. <i>Applied Biochemistry and Biotechnology</i> , 2012, 167, 1513-1526.	2.9	26
302	Bioengineered microbes for soil health restoration: present status and future. <i>Bioengineered</i> , 2021, 12, 12839-12853.	3.2	26
303	Statistical optimization of L-leucine amino peptidase production from <i>Streptomyces gedanensis</i> IFO 13427 under submerged fermentation using response surface methodology. <i>Biochemical Engineering Journal</i> , 2009, 43, 64-71.	3.6	25
304	Production of an alkaline xylanase from recombinant <i>Kluyveromyces lactis</i> (KY1) by submerged fermentation and its application in bio-bleaching. <i>Biochemical Engineering Journal</i> , 2015, 102, 24-30.	3.6	25
305	Detoxification of acidic biorefinery waste liquor for production of high value amino acid. <i>Bioresource Technology</i> , 2016, 213, 270-275.	9.6	25
306	Recent advances in microbial biosynthesis of C3 to C5 diols: Genetics and process engineering approaches. <i>Bioresource Technology</i> , 2021, 322, 124527.	9.6	25

#	ARTICLE	IF	CITATIONS
307	Technologies for disinfection of food grains: Advances and way forward. Food Research International, 2021, 145, 110396.	6.2	25
308	Current state of the art biotechnological strategies for conversion of watermelon wastes residues to biopolymers production: A review. Chemosphere, 2022, 290, 133310.	8.2	25
309	Integrated approaches to mitigate threats from emerging potentially toxic elements: A way forward for sustainable environmental management. Environmental Research, 2022, 209, 112844.	7.5	25
310	Copra waste “A novel substrate for solid-state fermentation. Bioresource Technology, 1995, 51, 217-220.	9.6	24
311	Compactin production in solid-state fermentation using orthogonal array method by <i>P. brevicompactum</i> . Biochemical Engineering Journal, 2008, 41, 295-300.	3.6	24
312	Characterization of plant growth-promoting rhizobacterium <i>Exiguobacterium</i> NII-0906 for its growth promotion of cowpea ( <i>Vigna unguiculata</i> ). Biologia (Poland), 2010, 65, 197-203.	1.5	24
313	Plant growth-promoting activity in newly isolated <i>Bacillus thiarparus</i> (NII-0902) from Western ghat forest, India. World Journal of Microbiology and Biotechnology, 2010, 26, 2277-2283.	3.6	24
314	Production and characterization of PHB from a novel isolate <i>Comamonas</i> sp. from a dairy effluent sample and its application in cell culture. Biochemical Engineering Journal, 2015, 101, 150-159.	3.6	24
315	Material balance studies for the conversion of sorghum stover to bioethanol. Biomass and Bioenergy, 2016, 85, 48-52.	5.7	24
316	Potential of <i>Brachiaria mutica</i> (Para grass) for bioethanol production from Loktak Lake. Bioresource Technology, 2017, 242, 133-138.	9.6	24
317	New coculture system of <i>Clostridium</i> spp. and <i>Megasphaera hexanoica</i> using submerged hollow-fiber membrane bioreactors for caproic acid production. Bioresource Technology, 2018, 270, 498-503.	9.6	24
318	High yield recovery of 2,3-butanediol from fermented broth accumulated on xylose rich sugarcane bagasse hydrolysate using aqueous two-phase extraction system. Bioresource Technology, 2021, 337, 125463.	9.6	24
319	Strategies and advances in the pretreatment of microalgal biomass. Journal of Biotechnology, 2021, 341, 63-75.	3.8	24
320	Immobilization of <i>Brevibacterium</i> Cells for the production of L-glutamic acid. Bioresource Technology, 1998, 63, 101-106.	9.6	23
321	Xanthan Gum Production From Cassava Bagasse Hydrolysate With <i>Xanthomonas campestris</i> Using Alternative Sources of Nitrogen. Applied Biochemistry and Biotechnology, 2004, 118, 305-312.	2.9	23
322	<i>Paracoccus niistensis</i> sp. nov., isolated from forest soil, India. Antonie Van Leeuwenhoek, 2011, 99, 501-506.	1.7	23
323	An Evaluation of Chemical Pretreatment Methods for Improving Enzymatic Saccharification of Chili Postharvest Residue. Applied Biochemistry and Biotechnology, 2012, 167, 1489-1500.	2.9	23
324	Evaluation of oil palm front hydrolysate as a novel substrate for 2,3-butanediol production using a novel isolate <i>Enterobacter cloacae</i> SG1. Renewable Energy, 2016, 98, 216-220.	8.9	23

#	ARTICLE	IF	CITATIONS
325	Purification and characterization of two isoforms of exoinulinase from <i>Penicillium oxalicum</i> BGPUP-4 for the preparation of high fructose syrup from inulin. <i>International Journal of Biological Macromolecules</i> , 2018, 118, 1974-1983.	7.5	23
326	Genomic analysis of carbon dioxide sequestering bacterium for exopolysaccharides production. <i>Scientific Reports</i> , 2019, 9, 4270.	3.3	23
327	Role of compost biochar amendment on the (im)mobilization of cadmium and zinc for Chinese cabbage ( <i>Brassica rapa</i> L.) from contaminated soil. <i>Journal of Soils and Sediments</i> , 2019, 19, 3883-3897.	3.0	23
328	Evaluation of <i>Amycolatopsis mediterranei</i> VA18 for production of rifamycin-B. <i>Process Biochemistry</i> , 2000, 36, 305-309.	3.7	22
329	Extracellular expression of a thermostable phytase (phyA) in <i>Kluyveromyces lactis</i> . <i>Process Biochemistry</i> , 2014, 49, 1440-1447.	3.7	22
330	<i>Industrial Enzymes.</i> , 2015, , 473-497.		22
331	Genetic and metabolic engineering approaches for the production and delivery of L-asparaginases: An overview. <i>Bioresource Technology</i> , 2017, 245, 1775-1781.	9.6	22
332	Current and future ABE processes. <i>Biofuel Research Journal</i> , 0, , 77-77.	13.3	22
333	Biorefinery aspects for cost-effective production of nanocellulose and high value-added biocomposites. <i>Fuel</i> , 2022, 311, 122575.	6.4	22
334	Genotoxicity evaluation of paper industry wastewater prior and post-treatment with laccase producing <i>Pseudomonas putida</i> MTCC 7525. <i>Journal of Cleaner Production</i> , 2022, 342, 130981.	9.3	22
335	Simultaneous saccharification and protein enrichment fermentation of sugar beet pulp. <i>Biotechnology Letters</i> , 1988, 10, 67-72.	2.2	21
336	Production of L(+) lactic acid from cassava starch hydrolyzate by immobilized <i>Lactobacillus delbrueckii</i> . <i>Journal of Basic Microbiology</i> , 2007, 47, 25-30.	3.3	21
337	Utilization of soybean vinasse for $\alpha$ -galactosidase production. <i>Food Research International</i> , 2009, 42, 476-483.	6.2	21
338	Single-step Purification and Immobilization of MBP-phytase Fusion on Starch Agar Beads: Application in Dephytination of Soy Milk. <i>Applied Biochemistry and Biotechnology</i> , 2012, 167, 981-990.	2.9	21
339	<i>Microbial Poly-3-Hydroxybutyrate and Related Copolymers.</i> , 2015, , 575-605.		21
340	Delignification of cotton stalks using sodium cumene sulfonate for bioethanol production. <i>Biofuels</i> , 2020, 11, 431-440.	2.4	21
341	Sustainable microalgal biomass production in food industry wastewater for low-cost biorefinery products: a review. <i>Phytochemistry Reviews</i> , 2023, 22, 969-991.	6.5	21
342	<i>Nocardioides mesophilus</i> sp. nov., isolated from soil. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2010, 60, 2288-2292.	1.7	20

#	ARTICLE	IF	CITATIONS
343	Preparation of poly(L-lactide) blends and biodegradation by <i>Lentzea waywayandensis</i> . <i>Biotechnology Letters</i> , 2012, 34, 2031-2035.	2.2	20
344	White Biotechnology in Biosurfactants. , 2015, , 499-521.		20
345	An efficient aqueous two phase systems using dual inorganic electrolytes to separate 1,3-propanediol from the fermented broth. <i>Bioresource Technology</i> , 2018, 254, 239-246.	9.6	20
346	A green biorefinery platform for cost-effective nanocellulose production: investigation of hydrodynamic properties and biodegradability of thin films. <i>Biomass Conversion and Biorefinery</i> , 2021, 11, 861-870.	4.6	20
347	Permeabilization and inhibition of the germination of spores of <i>Aspergillus niger</i> for gluconic acid production from glucose. <i>Bioresource Technology</i> , 2008, 99, 4559-4565.	9.6	19
348	Aminopeptidase from <i>Streptomyces gedanensis</i> as a useful Tool for Protein Hydrolysate Preparations with Improved Functional Properties. <i>Journal of Food Science</i> , 2012, 77, C791-7.	3.1	19
349	Thermophilic Chitinases: Structural, Functional and Engineering Attributes for Industrial Applications. <i>Applied Biochemistry and Biotechnology</i> , 2021, 193, 142-164.	2.9	19
350	Emerging trends of microbial technology for the production of oligosaccharides from biowaste and their potential application as prebiotic. <i>International Journal of Food Microbiology</i> , 2022, 368, 109610.	4.7	19
351	Biochemical conversion of biodiesel by-product into malic acid: A way towards sustainability. <i>Science of the Total Environment</i> , 2020, 709, 136206.	8.0	18
352	Recent trends in microbial nanoparticle synthesis and potential application in environmental technology: a comprehensive review. <i>Environmental Science and Pollution Research</i> , 2021, 28, 49362-49382.	5.3	18
353	Green remediation of the potential hazardous shellfish wastes generated from the processing industries and their bioprospecting. <i>Environmental Technology and Innovation</i> , 2021, 24, 101979.	6.1	18
354	Sustainable processes for treatment and management of seafood solid waste. <i>Science of the Total Environment</i> , 2022, 817, 152951.	8.0	18
355	Carbon-based catalyst for environmental bioremediation and sustainability: Updates and perspectives on techno-economics and life cycle assessment. <i>Environmental Research</i> , 2022, 209, 112793.	7.5	18
356	Production of Chitinolytic Enzymes With <i>Trichoderma longibrachiatum</i> IMI 92027 in Solid Substrate Fermentation. <i>Applied Biochemistry and Biotechnology</i> , 2004, 118, 189-204.	2.9	17
357	Production and Purification of a Solvent-Resistant Esterase from <i>Bacillus licheniformis</i> S-86. <i>Applied Biochemistry and Biotechnology</i> , 2008, 151, 221-232.	2.9	17
358	Performance of a dual-chamber microbial fuel cell as biosensor for on-line measuring ammonium nitrogen in synthetic municipal wastewater. <i>Science of the Total Environment</i> , 2021, 795, 148755.	8.0	17
359	Enhancement of lipase production during repeated batch culture using immobilised <i>Candida rugosa</i> . <i>Process Biochemistry</i> , 1997, 32, 437-440.	3.7	16
360	Fatty Acid Profiling During Microbial Lipid Production Under Varying pO <sub>2</sub> and Impeller Tip Speeds. <i>Applied Biochemistry and Biotechnology</i> , 2008, 151, 599-609.	2.9	16

#	ARTICLE	IF	CITATIONS
361	Enrichment of $\hat{I}^3$ -linolenic acid in the lipid extracted from <i>Mucor zycaae</i> MTCC 5420. <i>Food Research International</i> , 2009, 42, 449-453.	6.2	16
362	Enzymes as Additives or Processing Aids in Food Biotechnology. <i>Enzyme Research</i> , 2010, 2010, 1-2.	1.8	16
363	Development of a novel solid-state fermentation strategy for the production of poly-3-hydroxybutyrate using polyurethane foams by <i>Bacillus sphaericus</i> NII 0838. <i>Annals of Microbiology</i> , 2013, 63, 1265-1274.	2.6	16
364	Emerging Approaches in Fermentative Production of Statins. <i>Applied Biochemistry and Biotechnology</i> , 2013, 171, 927-938.	2.9	16
365	Esterase Active in Polar Organic Solvents from the Yeast <i>Pseudozyma</i> sp. NII 08165. <i>Enzyme Research</i> , 2014, 2014, 1-10.	1.8	16
366	Bioprospecting of gut microflora for plastic biodegradation. <i>Bioengineered</i> , 2021, 12, 1040-1053.	3.2	16
367	Uptake and mobilization of heavy metals through phytoremediation process from native plants species growing on complex pollutants: Antioxidant enzymes and photosynthetic pigments response. <i>Environmental Technology and Innovation</i> , 2021, 23, 101629.	6.1	16
368	Bioconversion of Glycerol into Biofuels—Opportunities and Challenges. <i>Bioenergy Research</i> , 2022, 15, 46-61.	3.9	16
369	Effect of caffeine and tannins on cultivation and fructification of <i>Pleurotus</i> on coffee husks. <i>Brazilian Journal of Microbiology</i> , 2006, 37, 420-424.	2.0	15
370	Application of Tropical Agro-industrial Residues as Substrate for Solid-state Fermentation Processes. , 2008, , 412-442.		15
371	Isolation and Characterization of High-Strength Phenol-Degrading Novel Bacterium of the <i>Pantoea</i> Genus. <i>Bioremediation Journal</i> , 2009, 13, 171-179.	2.0	15
372	Growth enhancement of black pepper ( <i>Piper nigrum</i> ) by a newly isolated <i>Bacillus tequilensis</i> NII-0943. <i>Biologia (Poland)</i> , 2011, 66, 801-806.	1.5	15
373	Biohydrogen Production. , 2013, , 1-24.		15
374	Self-cycling fermentation for 1,3-propanediol production: Comparative evaluation of metabolite flux in cell recycling, simple batch and continuous processes using <i>Lactobacillus brevis</i> N1E9.3.3 strain. <i>Journal of Biotechnology</i> , 2017, 259, 110-119.	3.8	15
375	Evaluation of Freshwater Microalgal Isolates for Growth and Oil Production in Seawater Medium. <i>Waste and Biomass Valorization</i> , 2020, 11, 223-230.	3.4	15
376	Sugarcane bagasse derived nanocellulose reinforced with frankincense ( <i>Boswellia serrata</i> ): Physicochemical properties, biodegradability and antimicrobial effect for controlling microbial growth for food packaging application. <i>Environmental Technology and Innovation</i> , 2021, 21, 101335.	6.1	15
377	Biodegradation of Polycyclic Aromatic Hydrocarbons by Laccase of <i>Pycnoporus sanguineus</i> and Toxicity Evaluation of Treated PAH. <i>Biotechnology</i> , 2008, 7, 669-677.	0.1	15
378	Production of Enzymes by Solid-state Fermentation. , 2008, , 183-204.		14

#	ARTICLE	IF	CITATIONS
379	Production of Organic Acids by Solid-state Fermentation. , 2008, , 205-229.		14
380	Gene cloning and soluble expression of <i>Aspergillus niger</i> phytase in <i>E. coli</i> cytosol via chaperone co-expression. <i>Biotechnology Letters</i> , 2014, 36, 85-91.	2.2	14
381	<i>Penicillium janthinellum</i> NCIM1366 shows improved biomass hydrolysis and a larger number of CAZymes with higher induction levels over <i>Trichoderma reesei</i> RUT-C30. <i>Biotechnology for Biofuels</i> , 2020, 13, 196.	6.2	14
382	Metabolic circuits and gene regulators in polyhydroxyalkanoate producing organisms: Intervention strategies for enhanced production. <i>Bioresource Technology</i> , 2021, 327, 124791.	9.6	14
383	Evolution in mitigation approaches for petroleum oil-polluted environment: recent advances and future directions. <i>Environmental Science and Pollution Research</i> , 2022, 29, 61821-61837.	5.3	14
384	Bacterial biopolymers: From production to applications in biomedicine. <i>Sustainable Chemistry and Pharmacy</i> , 2022, 25, 100582.	3.3	14
385	Relationship Between Coffee Husk Caffeine Degradation and Respiration of <i>Aspergillus</i> sp. LPBx in Solid-State Fermentation. <i>Applied Biochemistry and Biotechnology</i> , 2002, 102-103, 169-178.	2.9	13
386	Butanol Fuel from Biomass. , 2011, , 571-586.		13
387	Alkaline Treatment. , 2015, , 51-60.		13
388	Sustainable Production of Chemicals and Energy Fuel Precursors from Lignocellulosic Fractions. <i>Green Energy and Technology</i> , 2017, , 7-33.	0.6	13
389	Recent advances in circular bioeconomy based clean technologies for sustainable environment. <i>Journal of Water Process Engineering</i> , 2022, 46, 102534.	5.6	13
390	Selection and Optimization of <i>Bacillus atrophaeus</i> Inoculum Medium and its Effect on Spore Yield and Thermal Resistance. <i>Applied Biochemistry and Biotechnology</i> , 2008, 151, 380-392.	2.9	12
391	Biotechnological process for producing black bean slurry without stachyose. <i>Food Research International</i> , 2009, 42, 425-429.	6.2	12
392	Production of leucine amino peptidase in lab scale bioreactors using <i>Streptomyces gedanensis</i> . <i>Bioresource Technology</i> , 2011, 102, 8171-8178.	9.6	12
393	Proline-Specific Extracellular Aminopeptidase Purified from <i>Streptomyces lavendulae</i> . <i>Applied Biochemistry and Biotechnology</i> , 2011, 163, 994-1001.	2.9	12
394	Identification and characterization of a highly alkaline and thermotolerant novel xylanase from <i>Streptomyces</i> sp.. <i>Biologia (Poland)</i> , 2013, 68, 1022-1027.	1.5	12
395	Mixed Cultures Fermentation for the Production of Poly- $\gamma$ -hydroxybutyrate. <i>Brazilian Archives of Biology and Technology</i> , 2014, 57, 644-652.	0.5	12
396	Improved 1,3-propanediol production with maintained physical conditions and optimized media composition: Validation with statistical and neural approach. <i>Biochemical Engineering Journal</i> , 2017, 126, 109-117.	3.6	12



#	ARTICLE	IF	CITATIONS
397	An effective surfactant-assisted hydrothermal pretreatment strategy for bioethanol production from chili post-harvest residue by separate hydrolysis and fermentation. <i>Bioprocess and Biosystems Engineering</i> , 2018, 41, 565-571.	3.4	12
398	Enzymatic approaches in the bioprocessing of shellfish wastes. <i>3 Biotech</i> , 2021, 11, 367.	2.2	12
399	Effect of different carbon sources on growth and glutamic acid fermentation by <i>Brevibacterium</i> sp.. <i>Journal of Basic Microbiology</i> , 1995, 35, 249-254.	3.3	11
400	Polyphasic Taxonomy of Novel Actinobacteria Showing Macromolecule Degradation Potentials in Bigeum Island, Korea. <i>Current Microbiology</i> , 2009, 59, 21-29.	2.2	11
401	Arginine specific aminopeptidase from <i>Lactobacillus brevis</i> . <i>Brazilian Archives of Biology and Technology</i> , 2010, 53, 1443-1450.	0.5	11
402	Replacement P212H Altered the pH-Temperature Profile of Phytase from <i>Aspergillus niger</i> NII 08121. <i>Applied Biochemistry and Biotechnology</i> , 2015, 175, 3084-3092.	2.9	11
403	Tailoring of microbes for the production of high value plant-derived compounds: From pathway engineering to fermentative production. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2019, 1867, 140262.	2.3	11
404	Fungal endoinulinase production from raw <i>Asparagus</i> inulin for the production of fructooligosaccharides. <i>Bioresource Technology Reports</i> , 2020, 10, 100417.	2.7	11
405	Nanofluid research advances: Preparation, characteristics and applications in food processing. <i>Food Research International</i> , 2021, 150, 110751.	6.2	11
406	Genetic tuning of coryneform bacteria for the overproduction of amino acids. <i>Process Biochemistry</i> , 1998, 33, 147-161.	3.7	10
407	Biosynthesis of rifamycin SV by <i>Amycolatopsis mediterranei</i> MTCC17 in solid cultures. <i>Biotechnology and Applied Biochemistry</i> , 2003, 37, 311.	3.1	10
408	Factors Affecting Solid-state Fermentation. , 2008, , 26-47.		10
409	Characterization of leucine amino peptidase from <i>Streptomyces gedanensis</i> and its applications for protein hydrolysis. <i>Process Biochemistry</i> , 2012, 47, 234-242.	3.7	10
410	Promising eco-friendly biomaterials for future biomedicine: Cleaner production and applications of Nanocellulose. <i>Environmental Technology and Innovation</i> , 2021, 24, 101855.	6.1	10
411	Tailored enzymes as next-generation food-packaging tools. <i>Trends in Biotechnology</i> , 2022, 40, 1004-1017.	9.3	10
412	Obtusilobinin and obtusilobin, two new triterpene saponins from <i>Anemone obtusiloba</i> . <i>Phytochemistry</i> , 1979, 18, 1539-1542.	2.9	9
413	Application of Response Surface Method for Studying the Role of Dissolved Oxygen and Agitation Speed on Gamma-Linolenic Acid Production. <i>Applied Biochemistry and Biotechnology</i> , 2009, 152, 108-116.	2.9	9
414	Recombinant Expression and Characterization of l-Asparaginase II from a Moderately Thermotolerant Bacterial Isolate. <i>Applied Biochemistry and Biotechnology</i> , 2012, 167, 973-980.	2.9	9



#	ARTICLE	IF	CITATIONS
415	Production of chitin deacetylase by <i>Aspergillus flavus</i> in submerged conditions. Preparative Biochemistry and Biotechnology, 2016, 46, 501-508.	1.9	9
416	Resolution of enantiopure (S)-1-(1-naphthyl) ethanol from racemic mixture by a novel <i>Bacillus cereus</i> isolate. Journal of Basic Microbiology, 2017, 57, 762-769.	3.3	9
417	Fed-batch Production of Gluconic Acid by Terpene-treated <i>Aspergillus niger</i> Spores. Applied Biochemistry and Biotechnology, 2008, 151, 413-423.	2.9	8
418	A novel crude glycerol assisted surfactant pretreatment strategy of chili post-harvest residue for bioethanol production. Biofuels, 2015, 6, 383-390.	2.4	8
419	SSF production, purification and characterization of chitin deacetylase from <i>Aspergillus flavus</i> . Biocatalysis and Biotransformation, 2018, 36, 296-306.	2.0	8
420	Genomics of Lactic Acid Bacteria for Glycerol Dissimilation. Molecular Biotechnology, 2019, 61, 562-578.	2.4	8
421	Chlorpyrifos induced proteome remodelling of <i>Pseudomonas nitroreducens</i> AR-3 potentially aid efficient degradation of the pesticide. Environmental Technology and Innovation, 2021, 21, 101307.	6.1	8
422	Effect of Precultural and Nutritional Parameters on Compactin Production by Solid-State Fermentation. Journal of Microbiology and Biotechnology, 2009, 19, 690-7.	2.1	8
423	Mixed cultures fermentation for bioconversion of whole bagasse into microbial protein. Journal of Basic Microbiology, 1987, 27, 323-327.	3.3	7
424	Mushroom Production. , 2008, , 253-274.		7
425	Solid-state fermentation for the production of biomass valorizing feruloyl esterase. Biocatalysis and Agricultural Biotechnology, 2016, 7, 7-13.	3.1	7
426	Microbial production of ketoreductases: Development of a novel high-throughput screening method. Bioresource Technology, 2017, 242, 319-323.	9.6	7
427	&lt;p>Telemedicine in Resource-Limited Setting: Narrative Synthesis of Evidence in Nepalese Context&lt;/p>. Smart Homecare Technology and Telehealth, 0, Volume 6, 1-14.	0.3	7
428	Enhancement of mechanical and thermal properties of <i>Ixora coccinea</i> L. plant root derived nanocellulose using polyethylene glycol-glutaraldehyde system. Chemosphere, 2022, 298, 134324.	8.2	7
429	Lactic acid production from molasses by mixed population of lactobacilli. Zentralblatt Fur Bakteriologie, Parasitenkunde, Infektionskrankheiten Und Hygiene Zweite Naturwissenschaftliche Abteilung: Mikrobiologie Der Landwirtschaft Der Technologie Und Des Umweltschutzes, 1979, 134, 544-546.	0.0	6
430	Ligninolytic activity of two basidiomycetes cultures in the decomposition of bagasse. Biological Wastes, 1987, 21, 1-10.	0.2	6
431	General Considerations about Solid-state Fermentation Processes. , 2008, , 13-25.		6
432	Investigation on $\alpha$ -Galactosidase Production by <i>Streptomyces griseolalbus</i> in a Forcefully Aerated Packed-Bed Bioreactor Operating in Solid-State Fermentation Condition. Applied Biochemistry and Biotechnology, 2010, 160, 421-427.	2.9	6

#	ARTICLE	IF	CITATIONS
433	REVIEW: Genome shuffling: A new trend in improved bacterial production of lactic acid. <i>Industrial Biotechnology</i> , 2010, 6, 164-169.	0.8	6
434	An Improved Bioprocess for Extracellular L-Leucine Amino Peptidase Production Using <i>Streptomyces gedanensis</i> . <i>Current Microbiology</i> , 2011, 62, 1009-1016.	2.2	6
435	Hyper-production of pullulan from de-oiled rice bran by <i>Aureobasidium pullulans</i> in a stirred tank reactor and its characterization. <i>Bioresource Technology Reports</i> , 2020, 11, 100494.	2.7	6
436	Chili post-harvest residue-derived nanocellulose composite as a matrix for in vitro cell culture and <i>Hemigraphis colorata</i> blended nanocellulose extends antimicrobial potential. <i>Sustainable Chemistry and Pharmacy</i> , 2022, 25, 100584.	3.3	6
437	Production of Pigments. , 2008, , 337-355.		5
438	Production of Aroma Compounds. , 2008, , 356-376.		5
439	Lignocellulosic bioethanol: current status and perspectives. <i>Bioresource Technology</i> , 2010, 101, 4743-4743.	9.6	5
440	Growth and butanol production by <i>Clostridium sporogenes</i> BE01 in rice straw hydrolysate: kinetics of inhibition by organic acids and the strategies for their removal. <i>Biomass Conversion and Biorefinery</i> , 2014, 4, 277-283.	4.6	5
441	Anaerobic Membrane Bioreactors for Future Green Bioprocesses. , 2016, , 867-901.		5
442	Production of fungal endoinulinase in a stirred tank reactor and fructooligosaccharides preparation by crude endoinulinase. <i>Bioresource Technology Reports</i> , 2021, 15, 100743.	2.7	5
443	Nanocellulose in tissue engineering and bioremediation: mechanism of action. <i>Bioengineered</i> , 2022, 13, 12823-12833.	3.2	5
444	Fermentation of Bagasse by submerged fungal cultures: Effect of nitrogen sources. <i>Biological Wastes</i> , 1988, 23, 313-317.	0.2	4
445	Process selection for bioconversion of sugar beet pulp into microbial protein. <i>Biological Wastes</i> , 1988, 26, 71-75.	0.2	4
446	Molecular cloning, overexpression and characterization of the raw-starch-digesting $\alpha$ -amylase of <i>Bacillus amyloliquefaciens</i> . <i>Biologia (Poland)</i> , 2010, 65, 392-398.	1.5	4
447	Biocatalysis. , 2015, , 391-408.		4
448	Production of poly-3-hydroxybutyrate from mixed culture. <i>Biologia (Poland)</i> , 2016, 71, 736-742.	1.5	4
449	Sweet sorghum juice as an alternative carbon source and adaptive evolution of <i>Lactobacillus brevis</i> NIE9.3.3 in sweet sorghum juice and biodiesel derived crude glycerol to improve 1, 3 propanediol production. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 106086.	6.7	4
450	Valorization of paper industry rejects by combined thermo-chemical pretreatment and biological conversion to L-lysine. <i>Environmental Technology and Innovation</i> , 2021, 24, 101882.	6.1	4

#	ARTICLE	IF	CITATIONS
451	Characterisation of Laccase from <i>Pycnoporus sanguineus</i> KUM 60953 and KUM 60954. <i>Journal of Biological Sciences</i> , 2008, 8, 866-873.	0.3	4
452	Bacterial bioactive metabolites as therapeutic agents: From production to action. <i>Sustainable Chemistry and Pharmacy</i> , 2022, 27, 100650.	3.3	4
453	Neem extractâ€“blended nanocellulose derived from jackfruit peel for antibacterial packagings. <i>Environmental Science and Pollution Research</i> , 2023, 30, 8977-8986.	5.3	4
454	Production of endoglucanase from <i>Trichoderma reesei</i> RUT C30 and its application in deinking of printed office waste paper. <i>Biologia (Poland)</i> , 2016, 71, 265-271.	1.5	3
455	Current status of global warming potential reduction by cleaner composting. <i>Energy and Environment</i> , 2021, 32, 1002-1028.	4.6	3
456	Misconception and effect of Menstruation (Chhaupadi) and Delivery on Womenâ€™s Health in Bajura, District Nepal. <i>Europasian Journal of Medical Sciences</i> , 2021, 3, 24-29.	0.3	3
457	Draft genome of the glucose tolerant Î²-glucosidase producing rare <i>Aspergillus unguis</i> reveals complete cellulolytic machinery with multiple beta-glucosidase genes. <i>Fungal Genetics and Biology</i> , 2021, 151, 103551.	2.1	3
458	Isobutanol production by <i>Candida glabrata</i> â€“ A potential organism for future fuel demands. <i>Fuel</i> , 2021, 306, 121634.	6.4	3
459	Possibility of Detection of Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2) through Wastewater in Developing Countries. <i>Water (Switzerland)</i> , 2021, 13, 3412.	2.7	3
460	Production of Spores. , 2008, , 230-252.		2
461	Production of Potential Vaccine Against <i>Dermatobia hominis</i> for Cattle. <i>Applied Biochemistry and Biotechnology</i> , 2012, 167, 412-424.	2.9	2
462	Adsorptive detoxification of fermentation inhibitors in acid pretreated liquor using functionalized polymer designed by molecular simulation. <i>Bioprocess and Biosystems Engineering</i> , 2017, 40, 1657-1667.	3.4	2
463	Potential Utilisation of Fruit and Vegetable Waste: An Overview. <i>Advances in Science, Technology and Innovation</i> , 2021, , 179-191.	0.4	2
464	Synthesis and Characterization of Transparent Biodegradable Chitosan: Exopolysaccharide Composite Films Plasticized by Bio-Derived 1,3-Propanediol. <i>Sustainable Chemistry</i> , 2021, 2, 49-62.	4.7	2
465	<i>Micrococcus niistensis</i> sp. nov., isolated from forest soil. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2012, 62, 3110-3110.	1.7	2
466	Extracellular methionine amino peptidase (MAP) production by <i>Streptomyces gedanensis</i> in solid-state fermentation. <i>Brazilian Archives of Biology and Technology</i> , 2014, 57, 187-193.	0.5	2
467	Solid-State Fermentation of Carrot Pomace for the Production of Inulinase by BGPUP-4. <i>Food Technology and Biotechnology</i> , 2018, 56, 31-39.	2.1	2
468	Introduction to the Locomotives and Rail Road Transportation. , 2017, , 3-7.		2

#	ARTICLE	IF	CITATIONS
469	Fermentative Production of Lactic Acid in Presence of some Trace Elements. Zentralblatt Fur Bakteriologie, Parasitenkunde, Infektionskrankheiten Und Hygiene Zweite Naturwissenschaftliche Abteilung: Mikrobiologie Der Landwirtschaft Der Technologie Und Des Umweltschutzes, 1980, 135, 523-526.	0.0	1
470	Start-up in anaerobic treatment of natural-rubber effluent. Biological Wastes, 1990, 33, 143-147.	0.2	1
471	Exploration of fungal spores as a possible storehouse of proteolytic biocatalysts. World Journal of Microbiology and Biotechnology, 2008, 24, 2897-2901.	3.6	1
472	Introduction to Combustion for Power Generation and Transportation. , 2017, , 3-8.		1
473	Innovations in environmental bioprocesses for sustainable development. Environmental Science and Pollution Research, 2020, 27, 27169-27171.	5.3	1
474	KNOWLEDGE AND PRACTICE ON JUNK FOOD CONSUMPTION AMONG HIGHER LEVEL STUDENTS AT SELECTED EDUCATIONAL INSTITUTIONS OF KATHMANDU, NEPAL. International Journal of Research -GRANTHAALAYAH, 2020, 8, 306-314.	0.1	1
475	CHAPTER 7. White Biotechnology for Polymer Building Blocks: Strategies for Enhanced Production of Bio-based 1,3-Propanediol and Its Applications. RSC Green Chemistry, 2019, , 145-182.	0.1	1
476	Key Informant Methods: An Innovative Social Mobilization Strategy to enable Communitybased Diagnosis, Treatment and Rehabilitation for People with Disability. Journal of Nepal Health Research Council, 2020, 18, 147-149.	0.8	1
477	Lactic acid production from molasses by Lactobacillus bulgaricus AU in presence of U, Th, Zr, and Tl. Zentralblatt Fur Bakteriologie, Parasitenkunde, Infektionskrankheiten Und Hygiene Zweite Naturwissenschaftliche Abteilung: Mikrobiologie Der Landwirtschaft Der Technologie Und Des Umweltschutzes. 1980, 135, 226-229.	0.0	0
478	First International Congress on Bioprocesses in Food Industries (ICBF-2004). LWT - Food Science and Technology, 2005, 38, 695.	5.2	0
479	Kinetics of Solid-state Fermentation. , 2008, , 48-73.		0
480	Pretreatment of Douglas Fir Wood Biomass for Improving Saccharification Efficiencies. Journal of ASTM International, 2010, 7, 1-8.	0.2	0
481	Arginine Specific Aminopeptidase from Lactobacillus brevis. Brazilian Archives of Biology and Technology, 2011, 54, 133-133.	0.5	0
482	Pontibacter niistensis sp. nov., isolated from forest soil. International Journal of Systematic and Evolutionary Microbiology, 2011, 61, 700-700.	1.7	0
483	Optimization of Process Parameters for the Production of Gamma-Linolenic Acid from Cunninghamella elegans CFR C07 under Submerged Fermentation. Food Technology and Biotechnology, 2018, 56, 96-100.	2.1	0
484	Febrile Illness Outbreak Investigation in Sundarharicha-5 Foklan Tapu, Morang District. Journal of Nepal Health Research Council, 2019, 17, 148-152.	0.8	0
485	Are Health Agencies Designated as Research Centers in Nepal Conducting Adequate Researches ?. Journal of Nepal Health Research Council, 2019, 17, 285-287.	0.8	0