

# Vijai Kumar Gupta

## List of Publications by Year in descending order

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Version: 2024-02-01

260  
papers

12,431  
citations

19608

61  
h-index

40881

93  
g-index

341  
all docs

341  
docs citations

341  
times ranked

13319  
citing authors

#	ARTICLE	IF	CITATIONS
1	Abiotic Stress Responses and Microbe-Mediated Mitigation in Plants: The Omics Strategies. <i>Frontiers in Plant Science</i> , 2017, 8, 172.	1.7	574
2	Ionic liquid based pretreatment of lignocellulosic biomass for enhanced bioconversion. <i>Bioresource Technology</i> , 2020, 304, 123003.	4.8	257
3	Friends or foes? Emerging insights from fungal interactions with plants. <i>FEMS Microbiology Reviews</i> , 2016, 40, 182-207.	3.9	238
4	Multifaceted roles of microalgae in the application of wastewater biotreatment: A review. <i>Environmental Pollution</i> , 2021, 269, 116236.	3.7	231
5	Fungal Enzymes for Bio-Products from Sustainable and Waste Biomass. <i>Trends in Biochemical Sciences</i> , 2016, 41, 633-645.	3.7	225
6	Biological remediation technologies for dyes and heavy metals in wastewater treatment: New insight. <i>Bioresource Technology</i> , 2022, 343, 126154.	4.8	195
7	Alleviation of drought stress in pulse crops with ACC deaminase producing rhizobacteria isolated from acidic soil of Northeast India. <i>Scientific Reports</i> , 2018, 8, 3560.	1.6	193
8	Endophytic Fungi—Alternative Sources of Cytotoxic Compounds: A Review. <i>Frontiers in Pharmacology</i> , 2018, 9, 309.	1.6	185
9	Soil microbial biomass: A key soil driver in management of ecosystem functioning. <i>Science of the Total Environment</i> , 2018, 634, 497-500.	3.9	180
10	Exergoenvironmental analysis of bioenergy systems: A comprehensive review. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 149, 111399.	8.2	174
11	Applications of fungal cellulases in biofuel production: Advances and limitations. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 82, 2379-2386.	8.2	170
12	Isolation, abundance and phylogenetic affiliation of endophytic actinomycetes associated with medicinal plants and screening for their in vitro antimicrobial biosynthetic potential. <i>Frontiers in Microbiology</i> , 2015, 6, 273.	1.5	161
13	Rhamnolipid the Glycolipid Biosurfactant: Emerging trends and promising strategies in the field of biotechnology and biomedicine. <i>Microbial Cell Factories</i> , 2021, 20, 1.	1.9	161
14	Antifungal Agents in Agriculture: Friends and Foes of Public Health. <i>Biomolecules</i> , 2019, 9, 521.	1.8	154
15	New insights on bioactivities and biosynthesis of flavonoid glycosides. <i>Trends in Food Science and Technology</i> , 2018, 79, 116-124.	7.8	152
16	Lignocellulosic biorefineries: The current state of challenges and strategies for efficient commercialization. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 148, 111258.	8.2	137
17	In Vitro and In Vivo Plant Growth Promoting Activities and DNA Fingerprinting of Antagonistic Endophytic Actinomycetes Associates with Medicinal Plants. <i>PLoS ONE</i> , 2015, 10, e0139468.	1.1	134
18	Conversion of grass biomass into fermentable sugars and its utilization for medium chain length polyhydroxyalkanoate (mcl-PHA) production by <i>Pseudomonas</i> strains. <i>Bioresource Technology</i> , 2013, 150, 202-209.	4.8	129

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19	Pretreatment of lignocelluloses for enhanced biogas production: A review on influencing mechanisms and the importance of microbial diversity. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 135, 110173.	8.2	128
20	Comparative Evaluation of Biochemical Changes in Tomato ( <i>Lycopersicon esculentum</i> Mill.) Infected by <i>Alternaria alternata</i> and Its Toxic Metabolites (TeA, AOH, and AME). <i>Frontiers in Plant Science</i> , 2016, 7, 1408.	1.7	126
21	Plant Growth-Promoting Microorganisms for Environmental Sustainability. <i>Trends in Biotechnology</i> , 2016, 34, 847-850.	4.9	125
22	Andrographolide, a diterpene lactone from <i>Andrographis paniculata</i> and its therapeutic promises in cancer. <i>Cancer Letters</i> , 2018, 420, 129-145.	3.2	125
23	Insights into the functionality of endophytic actinobacteria with a focus on their biosynthetic potential and secondary metabolites production. <i>Scientific Reports</i> , 2017, 7, 11809.	1.6	123
24	Valorization of fruits and vegetable wastes and by-products to produce natural pigments. <i>Critical Reviews in Biotechnology</i> , 2021, 41, 535-563.	5.1	122
25	Bioremediation of Petroleum oil Contaminated Soil and Water. <i>Research Journal of Environmental Toxicology</i> , 2011, 5, 1-26.	1.0	117
26	Mannitol metabolism during pathogenic fungal–host interactions under stressed conditions. <i>Frontiers in Microbiology</i> , 2015, 6, 1019.	1.5	114
27	Chilli Anthracnose: The Epidemiology and Management. <i>Frontiers in Microbiology</i> , 2016, 7, 1527.	1.5	113
28	Bioprocessing of waste biomass for sustainable product development and minimizing environmental impact. <i>Bioresource Technology</i> , 2021, 322, 124548.	4.8	113
29	Role of Chitinase in Plant Defense. <i>Asian Journal of Biochemistry</i> , 2010, 6, 29-37.	0.5	113
30	Chitosan nanoparticles having higher degree of acetylation induce resistance against pearl millet downy mildew through nitric oxide generation. <i>Scientific Reports</i> , 2018, 8, 2485.	1.6	109
31	The Post-genomic Era of <i>Trichoderma reesei</i> : What's Next?. <i>Trends in Biotechnology</i> , 2016, 34, 970-982.	4.9	106
32	Biodiversity of the Genus <i>Penicillium</i> in Different Habitats. , 2018, , 3-18.		105
33	Nanoengineered cellulosic biohydrogen production via dark fermentation: A novel approach. <i>Biotechnology Advances</i> , 2019, 37, 107384.	6.0	101
34	Advances in nanomaterials induced biohydrogen production using waste biomass. <i>Bioresource Technology</i> , 2020, 307, 123094.	4.8	99
35	Application of Activated Carbon Derived from Seed Shells of <i>Jatropha curcas</i> for Decontamination of Zearalenone Mycotoxin. <i>Frontiers in Pharmacology</i> , 2017, 8, 760.	1.6	95
36	Re-addressing the biosafety issues of plant growth promoting rhizobacteria. <i>Science of the Total Environment</i> , 2019, 690, 841-852.	3.9	94

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37	Titania modified gum tragacanth based hydrogel nanocomposite for water remediation. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 104608.	3.3	94
38	Energy production from steam gasification processes and parameters that contemplate in biomass gasifier – A review. <i>Bioresource Technology</i> , 2020, 297, 122481.	4.8	93
39	Chrysophanol: A Natural Anthraquinone with Multifaceted Biotherapeutic Potential. <i>Biomolecules</i> , 2019, 9, 68.	1.8	92
40	Targeting STAT3 signaling pathway in cancer by agents derived from Mother Nature. <i>Seminars in Cancer Biology</i> , 2022, 80, 157-182.	4.3	92
41	Molecular phylogeny, pathogenicity and toxigenicity of <i>Fusarium oxysporum</i> f. sp. <i>lycopersici</i> . <i>Scientific Reports</i> , 2016, 6, 21367.	1.6	89
42	Elicitation of resistance and associated defense responses in <i>Trichoderma hamatum</i> induced protection against pearl millet downy mildew pathogen. <i>Scientific Reports</i> , 2017, 7, 43991.	1.6	87
43	Lignocellulosic biomass (LCB): a potential alternative biorefinery feedstock for polyhydroxyalkanoates production. <i>Reviews in Environmental Science and Biotechnology</i> , 2019, 18, 183-205.	3.9	87
44	Detection of biosynthetic gene and phytohormone production by endophytic actinobacteria associated with <i>Solanum lycopersicum</i> and their plant-growth-promoting effect. <i>Research in Microbiology</i> , 2016, 167, 692-705.	1.0	85
45	Evaluation of the Antioxidant Activity of Aqueous and Methanol Extracts of <i>Pleurotus ostreatus</i> in Different Growth Stages. <i>Frontiers in Microbiology</i> , 2016, 7, 1099.	1.5	84
46	Phytohormone production endowed with antagonistic potential and plant growth promoting abilities of culturable endophytic bacteria isolated from <i>Clerodendrum colebrookianum</i> Walp.. <i>Microbiological Research</i> , 2016, 193, 57-73.	2.5	84
47	Microbial Beta Glucosidase Enzymes: Recent Advances in Biomass Conversation for Biofuels Application. <i>Biomolecules</i> , 2019, 9, 220.	1.8	84
48	The effect of rice husk biochar on soil nutrient status, microbial biomass and paddy productivity of nutrient poor agriculture soils. <i>Catena</i> , 2018, 171, 485-493.	2.2	83
49	Phytochemicals as potent modulators of autophagy for cancer therapy. <i>Cancer Letters</i> , 2018, 424, 46-69.	3.2	81
50	Targeting Heparanase in Cancer: Inhibition by Synthetic, Chemically Modified, and Natural Compounds. <i>IScience</i> , 2019, 15, 360-390.	1.9	81
51	Biotechnological Advances for Restoring Degraded Land for Sustainable Development. <i>Trends in Biotechnology</i> , 2017, 35, 847-859.	4.9	80
52	Cross-Kingdom Small RNAs Among Animals, Plants and Microbes. <i>Cells</i> , 2019, 8, 371.	1.8	80
53	Scaffold of Selenium Nanovectors and Honey Phytochemicals for Inhibition of <i>Pseudomonas aeruginosa</i> Quorum Sensing and Biofilm Formation. <i>Frontiers in Cellular and Infection Microbiology</i> , 2017, 7, 93.	1.8	79
54	A comprehensive review on biological properties of citrinin. <i>Food and Chemical Toxicology</i> , 2017, 110, 130-141.	1.8	78

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55	The potential of arbuscular mycorrhizal fungi in C cycling: a review. Archives of Microbiology, 2020, 202, 1581-1596.	1.0	76
56	Metabolite Profiling of Alangium salviifolium Bark Using Advanced LC/MS and GC/Q-TOF Technology. Cells, 2021, 10, 1.	1.8	76
57	Antagonistic activity of Ocimum sanctum L. essential oil on growth and zearalenone production by Fusarium graminearum in maize grains. Frontiers in Microbiology, 2015, 6, 892.	1.5	75
58	Efficient dark fermentative hydrogen production from enzyme hydrolyzed rice straw by Clostridium pasteurianum (MTCC116). Bioresource Technology, 2017, 238, 552-558.	4.8	74
59	Microbial inoculation in rice regulates antioxidative reactions and defense related genes to mitigate drought stress. Scientific Reports, 2020, 10, 4818.	1.6	73
60	Environmental life cycle assessment of biodiesel production from waste cooking oil: A systematic review. Renewable and Sustainable Energy Reviews, 2022, 161, 112411.	8.2	73
61	Machine learning predicts and optimizes hydrothermal liquefaction of biomass. Chemical Engineering Journal, 2022, 445, 136579.	6.6	73
62	Engineered microbial host selection for value-added bioproducts from lignocellulose. Biotechnology Advances, 2019, 37, 107347.	6.0	70
63	Exergetic sustainability analysis of municipal solid waste treatment systems: A systematic critical review. Renewable and Sustainable Energy Reviews, 2022, 156, 111975.	8.2	69
64	Integrated biohydrogen production via lignocellulosic waste: Opportunity, challenges & future prospects. Bioresource Technology, 2021, 338, 125511.	4.8	67
65	Determination and production of antimicrobial compounds by Aspergillus clavatonanicus strain MJ31, an endophytic fungus from Mirabilis jalapa L. using UPLC-ESI-MS/MS and TD-GC-MS analysis. PLoS ONE, 2017, 12, e0186234.	1.1	65
66	Advancement in valorization technologies to improve utilization of bio-based waste in bioeconomy context. Renewable and Sustainable Energy Reviews, 2020, 131, 109965.	8.2	63
67	Evaluation of Phenolic Content Variability along with Antioxidant, Antimicrobial, and Cytotoxic Potential of Selected Traditional Medicinal Plants from India. Frontiers in Plant Science, 2016, 7, 407.	1.7	62
68	Effects of various polysaccharides (alginate, carrageenan, gums, chitosan) and their combination with prebiotic saccharides (resistant starch, lactosucrose, lactulose) on the encapsulation of probiotic bacteria Lactobacillus casei O1 strain. International Journal of Biological Macromolecules, 2021, 183, 1136-1144.	3.6	60
69	Low-cost biochar adsorbents prepared from date and delonix regia seeds for heavy metal sorption. Bioresource Technology, 2021, 339, 125606.	4.8	60
70	Tackling COVID-19 pandemic through nanocoatings: Confront and exactitude. Current Research in Green and Sustainable Chemistry, 2020, 3, 100011.	2.9	59
71	Identification and functional analysis of secreted effectors from phytoparasitic nematodes. BMC Microbiology, 2016, 16, 48.	1.3	58
72	Biofabrication of Zinc Oxide Nanoparticles With Syzygium aromaticum Flower Buds Extract and Finding Its Novel Application in Controlling the Growth and Mycotoxins of Fusarium graminearum. Frontiers in Microbiology, 2019, 10, 1244.	1.5	58

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73	Implications of plant growth promoting <i>Klebsiella</i> sp. CPSB4 and <i>Enterobacter</i> sp. CPSB49 in luxuriant growth of tomato plants under chromium stress. <i>Chemosphere</i> , 2020, 240, 124944.	4.2	58
74	Use of a mannitol rich ensiled grass press juice (EGPJ) as a sole carbon source for polyhydroxyalkanoates (PHAs) production through high cell density cultivation. <i>Bioresource Technology</i> , 2015, 191, 45-52.	4.8	57
75	Agriculturally Important Microbes in Sustainable Food Production. <i>Trends in Biotechnology</i> , 2016, 34, 773-775.	4.9	57
76	Bactericidal, quorum quenching and anti-biofilm nanofactories: a new niche for nanotechnologists. <i>Critical Reviews in Biotechnology</i> , 2017, 37, 525-540.	5.1	57
77	Bioethanol production from food wastes rich in carbohydrates. <i>Current Opinion in Food Science</i> , 2022, 43, 71-81.	4.1	57
78	Structural and Functional Insights into WRKY3 and WRKY4 Transcription Factors to Unravel the WRKY-DNA (W-Box) Complex Interaction in Tomato ( <i>Solanum lycopersicum</i> L.). <i>A Computational Approach. Frontiers in Plant Science</i> , 2017, 8, 819.	1.7	53
79	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.	6.5	50
80	Endolichenic Fungi: A Hidden Reservoir of Next Generation Biopharmaceuticals. <i>Trends in Biotechnology</i> , 2017, 35, 808-813.	4.9	49
81	A comparative evaluation towards the potential of <i>Klebsiella</i> sp. and <i>Enterobacter</i> sp. in plant growth promotion, oxidative stress tolerance and chromium uptake in <i>Helianthus annuus</i> (L.). <i>Journal of Hazardous Materials</i> , 2019, 377, 391-398.	6.5	49
82	Progress toward improving ethanol production through decreased glycerol generation in <i>Saccharomyces cerevisiae</i> by metabolic and genetic engineering approaches. <i>Renewable and Sustainable Energy Reviews</i> , 2019, 115, 109353.	8.2	48
83	Land use change: A key ecological disturbance declines soil microbial biomass in dry tropical uplands. <i>Journal of Environmental Management</i> , 2019, 242, 1-10.	3.8	48
84	Biohydrogen production using kitchen waste as the potential substrate: A sustainable approach. <i>Chemosphere</i> , 2021, 271, 129537.	4.2	48
85	Polyhydroxyalkanoate (PHA) Production Using Volatile Fatty Acids Derived from the Anaerobic Digestion of Waste Paper. <i>Journal of Polymers and the Environment</i> , 2021, 29, 250-259.	2.4	47
86	Metabolic Engineering to Synthetic Biology of Secondary Metabolites Production. , 2019, , 279-320.		46
87	Metatranscriptome Analysis Deciphers Multifunctional Genes and Enzymes Linked With the Degradation of Aromatic Compounds and Pesticides in the Wheat Rhizosphere. <i>Frontiers in Microbiology</i> , 2018, 9, 1331.	1.5	45
88	Modified CTAB Method for High Quality Genomic DNA Extraction from Medicinal Plants. <i>Pakistan Journal of Biological Sciences</i> , 2011, 14, 998-999.	0.2	45
89	A novel strategy to enhance biohydrogen production using graphene oxide treated thermostable crude cellulase and sugarcane bagasse hydrolyzate under co-culture system. <i>Bioresource Technology</i> , 2018, 270, 337-345.	4.8	44
90	Enhancement of disease resistance, growth potential, and photosynthesis in tomato ( <i>Solanum</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 67 strain BPSAC147. <i>PLoS ONE</i> , 2019, 14, e0219014.	1.1	44

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91	Production and Characterization of $\alpha$ -Amylase from <i>Aspergillus niger</i> . <i>Biotechnology</i> , 2008, 7, 551-556.	0.5	44
92	Valorization of dairy waste and by-products through microbial bioprocesses. <i>Bioresource Technology</i> , 2022, 346, 126444.	4.8	43
93	Valorization of sugar beet pulp to value-added products: A review. <i>Bioresource Technology</i> , 2022, 346, 126580.	4.8	40
94	Second-generation bioethanol production from corn cob – A comprehensive review on pretreatment and bioconversion strategies, including techno-economic and lifecycle perspective. <i>Industrial Crops and Products</i> , 2022, 186, 115245.	2.5	40
95	Advances in Eco-Efficient Agriculture: The Plant-Soil Mycobiome. <i>Agriculture (Switzerland)</i> , 2017, 7, 14.	1.4	39
96	Integrated Transcriptomic, Proteomic, and Metabolomics Analysis Reveals Peel Ripening of Harvested Banana under Natural Condition. <i>Biomolecules</i> , 2019, 9, 167.	1.8	38
97	Recent advances in essential oils-based metal nanoparticles: A review on recent developments and biopharmaceutical applications. <i>Journal of Molecular Liquids</i> , 2021, 333, 115951.	2.3	38
98	Microbial biodiesel production from lignocellulosic biomass: New insights and future challenges. <i>Critical Reviews in Environmental Science and Technology</i> , 2022, 52, 2197-2225.	6.6	37
99	Development of Biodegradable Agar-Agar/Gelatin-Based Superabsorbent Hydrogel as an Efficient Moisture-Retaining Agent. <i>Biomolecules</i> , 2020, 10, 939.	1.8	35
100	Sugar transporters from industrial fungi: Key to improving second-generation ethanol production. <i>Renewable and Sustainable Energy Reviews</i> , 2020, 131, 109991.	8.2	35
101	Nickel ferrite nanoparticles induced improved fungal cellulase production using residual algal biomass and subsequent hydrogen production following dark fermentation. <i>Fuel</i> , 2021, 304, 121391.	3.4	35
102	<i>Bioenergy Research.</i> , 2014, , 23-47.		34
103	Development of sandwich dot-ELISA for specific detection of Ochratoxin A and its application on to contaminated cereal grains originating from India. <i>Frontiers in Microbiology</i> , 2015, 6, 511.	1.5	34
104	Antimicrobial biosynthetic potential and genetic diversity of endophytic actinomycetes associated with medicinal plants. <i>FEMS Microbiology Letters</i> , 2015, 362, fnv158.	0.7	34
105	Detection of antibiotic-resistant bacteria endowed with antimicrobial activity from a freshwater lake and their phylogenetic affiliation. <i>PeerJ</i> , 2016, 4, e2103.	0.9	33
106	Multifaceted application of microalgal biomass integrated with carbon dioxide reduction and wastewater remediation: A flexible concept for sustainable environment. <i>Journal of Cleaner Production</i> , 2022, 339, 130654.	4.6	32
107	Transcriptomic dissection reveals wide spread differential expression in chickpea during early time points of <i>Fusarium oxysporum</i> f. sp. <i>ciceri</i> Race 1 attack. <i>PLoS ONE</i> , 2017, 12, e0178164.	1.1	31
108	Recent development on sustainable biodiesel production using sewage sludge. <i>3 Biotech</i> , 2018, 8, 245.	1.1	31



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109	Green Synthesis of Silver Nanoparticles by <i>Cytobacillus firmus</i> Isolated from the Stem Bark of <i>Terminalia arjuna</i> and Their Antimicrobial Activity. <i>Biomolecules</i> , 2021, 11, 259.	1.8	31
110	Engineered Microbes for Pigment Production Using Waste Biomass. <i>Current Genomics</i> , 2020, 21, 80-95.	0.7	31
111	Current Status of Fusarium Wilt Disease of Guava ( <i>Psidium guajava</i> L.) in India. <i>Biotechnology</i> , 2010, 9, 176-195.	0.5	31
112	Combinational Inhibitory Action of <i>Hedychium spicatum</i> L. Essential Oil and $\hat{1}^3$ -Radiation on Growth Rate and Mycotoxins Content of <i>Fusarium graminearum</i> in Maize: Response Surface Methodology. <i>Frontiers in Microbiology</i> , 2018, 9, 1511.	1.5	30
113	Production of a recombinant swollenin from <i>Trichoderma harzianum</i> in <i>Escherichia coli</i> and its potential synergistic role in biomass degradation. <i>Microbial Cell Factories</i> , 2017, 16, 83.	1.9	29
114	Mitigation of Salinity Stress in Wheat Seedlings Due to the Application of Phytohormone-Rich Culture Filtrate Extract of Methylophilic Actinobacterium <i>Nocardioides</i> sp. NIMMe6. <i>Frontiers in Microbiology</i> , 2020, 11, 2091.	1.5	29
115	In situ fabrication of electrically conducting bacterial cellulose-polyaniline-titanium-dioxide composites with the immobilization of <i>Shewanella xiamenensis</i> and its application as bioanode in microbial fuel cell. <i>Fuel</i> , 2021, 285, 119259.	3.4	29
116	Genome-based engineering of ligninolytic enzymes in fungi. <i>Microbial Cell Factories</i> , 2021, 20, 20.	1.9	29
117	Characterization of 2T engine oil degrading indigenous bacteria, isolated from high altitude (Mussoorie), India. <i>World Journal of Microbiology and Biotechnology</i> , 2010, 26, 1419-1426.	1.7	28
118	Biofuel Technologies. , 2013, , .		28
119	A Novel Triculture System (CC3) for Simultaneous Enzyme Production and Hydrolysis of Common Grasses through Submerged Fermentation. <i>Frontiers in Microbiology</i> , 2016, 7, 447.	1.5	28
120	Current Status of Fusarium Infection in Human and Animal. <i>Asian Journal of Animal and Veterinary Advances</i> , 2011, 6, 201-227.	0.3	27
121	A novel IgY-Aptamer hybrid system for cost-effective detection of SEB and its evaluation on food and clinical samples. <i>Scientific Reports</i> , 2015, 5, 15151.	1.6	26
122	Organic Nanoparticle-Based Combinatory Approaches for Gene Therapy. <i>Trends in Biotechnology</i> , 2017, 35, 1121-1124.	4.9	26
123	Fungal networks and orchid distribution: new insights from above- and below-ground analyses of fungal communities. <i>IMA Fungus</i> , 2018, 9, 1-11.	1.7	26
124	Stage-dependent concomitant microbial fortification improves soil nutrient status, plant growth, antioxidative defense system and gene expression in rice. <i>Microbiological Research</i> , 2020, 239, 126538.	2.5	26
125	Distribution and antimicrobial potential of endophytic fungi associated with ethnomedicinal plant <i>Melastoma malabathricum</i> L. <i>Journal of Environmental Biology</i> , 2016, 37, 229-37.	0.2	26
126	Degraded Land Restoration in Reinstating CH4 Sink. <i>Frontiers in Microbiology</i> , 2016, 7, 923.	1.5	25



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127	Coating with Microbial Hydrophobins: A Novel Approach to Develop Smart Drug Nanoparticles. Trends in Biotechnology, 2018, 36, 1103-1106.	4.9	25
128	Sulfoxidation Regulation of <i>Musa acuminata</i> Calmodulin (MaCaM) Influences the Functions of MaCaM-Binding Proteins. Plant and Cell Physiology, 2018, 59, 1214-1224.	1.5	25
129	Secretome Profiling Reveals Virulence-Associated Proteins of <i>Fusarium proliferatum</i> during Interaction with Banana Fruit. Biomolecules, 2019, 9, 246.	1.8	25
130	Optimization of Xylanase Production from <i>Fusarium solani</i> F7. American Journal of Food Technology, 2008, 4, 20-29.	0.2	25
131	Enhancement of the enzymatic hydrolysis efficiency of wheat bran using the <i>Bacillus</i> strains and their consortium. Bioresource Technology, 2022, 343, 126092.	4.8	25
132	Biocontrol of <i>Fusarium</i> wilt of <i>Capsicum annuum</i> by rhizospheric bacteria isolated from turmeric endowed with plant growth promotion and disease suppression potential. European Journal of Plant Pathology, 2018, 150, 831-846.	0.8	24
133	Microbial saccharification of wheat bran for bioethanol fermentation. Journal of Cleaner Production, 2019, 240, 118269.	4.6	24
134	Technological advances for improving fungal cellulase production from fruit wastes for bioenergy application: A review. Environmental Pollution, 2021, 287, 117370.	3.7	24
135	Lead removal from synthetic wastewater by biosorbents prepared from seeds of <i>Artocarpus Heterophyllus</i> and <i>Syzygium Cumini</i> . Chemosphere, 2022, 287, 132016.	4.2	24
136	Sugar beet pulp: Resurgence and trailblazing journey towards a circular bioeconomy. Fuel, 2022, 312, 122953.	3.4	24
137	Enzymatic Saccharification of Lignocellulosic Biomass. , 2013, , 475-481.		23
138	The Ectopic Overexpression of the Cotton Ve1 and Ve2-Homolog Sequences Leads to Resistance Response to <i>Verticillium</i> Wilt in <i>Arabidopsis</i> . Frontiers in Plant Science, 2017, 8, 844.	1.7	23
139	Recent advances in plasmid-based tools for establishing novel microbial chassis. Biotechnology Advances, 2019, 37, 107433.	6.0	23
140	Q-PCR Based Culture-Independent Enumeration and Detection of <i>Enterobacter</i> : An Emerging Environmental Human Pathogen in Riverine Systems and Potable Water. Frontiers in Microbiology, 2016, 7, 172.	1.5	22
141	Proteomics analysis of <i>Fusarium proliferatum</i> under various initial pH during fumonisin production. Journal of Proteomics, 2017, 164, 59-72.	1.2	22
142	Carbon Sources Influence Fumonisin Production in <i>Fusarium proliferatum</i> . Proteomics, 2017, 17, 1700070.	1.3	22
143	Identification, characterization and expression profiles of <i>Fusarium udum</i> stress-responsive WRKY transcription factors in <i>Cajanus cajan</i> under the influence of NaCl stress and <i>Pseudomonas fluorescens</i> OKC. Scientific Reports, 2019, 9, 14344.	1.6	22
144	Co-fermentation of residual algal biomass and glucose under the influence of Fe <sub>3</sub> O <sub>4</sub> nanoparticles to enhance biohydrogen production under dark mode. Bioresource Technology, 2021, 342, 126034.	4.8	22

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145	Distribution and Identification of Endophytic <i>Streptomyces</i> Species from <i>Schima wallichii</i> as Potential Biocontrol Agents against Fungal Plant Pathogens. Polish Journal of Microbiology, 2016, 65, 319-329.	0.6	22
146	Corncob-based biorefinery: A comprehensive review of pretreatment methodologies, and biorefinery platforms. Journal of the Energy Institute, 2022, 101, 290-308.	2.7	22
147	Synergistic interaction of natamycin with carboxymethyl chitosan for controlling <i>Alternaria alternata</i> , a cause of black spot rot in postharvest jujube fruit. Postharvest Biology and Technology, 2019, 156, 110919.	2.9	21
148	Bioprospecting microalgae from natural algal bloom for sustainable biomass and biodiesel production. Applied Microbiology and Biotechnology, 2019, 103, 5447-5458.	1.7	21
149	Growth Characteristics of <i>Fusarium</i> Spp. Causing Wilt Disease in <i>Psidium Guajava</i> L. in India. Journal of Plant Protection Research, 2010, 50, .	1.0	20
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