Olubukola Oluranti Babalola

List of Articles by Year
in descending order

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342 peer-reviewed articles	18,305 peer-reviewed citations	31060 54 peer-reviewed h-index	1356161 1.98 score
435 documents	23618 doc citations	23147 63 h-index	32695 citing authors

#	Article	IF	Citations
1	An updated comprehensive review on waste valorization: Informetric analysis, current insights and future perspectives on cereal waste and byproduct utilization for sustainable industrial applications. Bioresource Technology, 2025, 418, 131868.	6.4	22
2	Root colonizing microbes associated with notable abiotic stress of global food and cash crops. Plant Stress, 2025, 15, 100714.	4.6	5
3	The biochemical and molecular mechanisms of plants: a review on insect herbivory. Plant Signaling and Behavior, 2025, 20, .	2.7	28
4	Effects of Green-Synthesised Copper Oxide–Zinc Oxide Hybrid Nanoparticles on Antifungal Activity and Phytotoxicity of Aflatoxin B1 in Maize (Zea mays L.) Seed Germination. Agronomy, 2025, 15, 313.	2.3	11
5	Effect of co-inoculation with plant growth-promoting bacteria on the microbiome of soybean roots. Frontiers in Sustainable Food Systems, 2025, 9, .	2.1	9
6	Unveiling novel features and phylogenomic assessment of indigenous Priestia megaterium AB-S79 using comparative genomics. Microbiology Spectrum, 2025, 13, .	2.3	7
7	Distribution and pathogenicity of Cicer arietinum infecting fungi in Tunisian agricultural lands. Botany, 2025, 103, 1-13.	0.7	1
8	Stress-tolerant Bacillus strains for enhancing tomato growth and biocontrol of Fusarium oxysporum under saline conditions: functional and genomic characterization. World Journal of Microbiology and Biotechnology, 2025, 41, .	2.8	13
9	Biotechnological utilization: the potential role of the termite gut symbiotic microbiome. Symbiosis, 2025, 95, 307-316.	1.8	6
10	How protists contribute to plant growth and health: Exploring new interactions with the plant microbiome. The Microbe, 2025, 7, 100361.	2.4	8
11	The role of Yersiniaceae bacteria in plant disease suppression: Emerging biocontrol agents. Physiological and Molecular Plant Pathology, 2025, 138, 102720.	2.4	3
12	Isolation and Characterization of Glyphosate-Tolerant Bacteria from a Local Coffee Plantation in Espírito Santo, Brazil. ACS Agricultural Science and Technology, 2025, 5, 1071-1085.	2.1	1
13	Rhizosphere-derived Actinomycetes strains have antagonistic potential against fungal phytopathogens. Biologia (Poland), 2025, 80, 1865-1880.	0.9	0
14	Microbial diversity and function in the rhizosphere microbiome: Driving forces and monitoring approaches. , 2025, 8, .		26
15	Comparative metagenomics on community structure and diversity of rhizomicrobiome associated with monoculture and soybean precedent carrot. Scientific Reports, 2025, 15, .	2.7	10
16	The effects of climatic variability on the occurrence of Aspergillus species in commercial maize from different agro-climatic regions in South Africa. Fungal Biology, 2025, 129, 101639.	1.9	0
17	Gastroprotective, Antioxidant, Anti-Inflammatory, and Toxicological Evaluation of Stem Bark Extracts of Vitellaria paradoxa and Parkia biglobosa. Pharmaceuticals, 2025, 18, 1184.	3.3	4
18	Dynamics of soil microbiome and allelochemical interactions: an overview of current knowledge and prospects. Annals of Microbiology, 2025, 75, .	3.0	19

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19	Application of bioinoculants in combating Striga Hermonthica (Del.) Benth infestation in maize. BMC Microbiology, 2025, 25, .	2.9	0
20	Comparative genomic analysis of underutilized legumes: insights into evolutionary relationships, genome evolution and stress tolerance. Biotechnology Reports (Amsterdam, Netherlands), 2025, 48, e00918.	3.6	2
21	Dataset of amplicon metagenomic assessment of barley rhizosphere bacteria under different fertilization regimes. Data in Brief, 2024, 52, 109920.	1.0	4
22	Dataset of 16S ribosomal DNA sequence-based identification of bacteriocinogenic lactic acid bacteria isolated from fermented food samples. Data in Brief, 2024, 52, 110021.	1.0	4
23	Rhizosphere competence and applications of plant growth-promoting rhizobacteria in food production – A review. Scientific African, 2024, 23, e02081.	1.2	32
24	Metabolomics-guided utilization of beneficial microbes for climate-resilient crops. Current Opinion in Chemical Biology, 2024, 79, 102427.	4.6	41
25	Unlocking the plant growth-promoting potential of yeast spp.: exploring species from the Moroccan extremophilic environment for enhanced plant growth and sustainable farming. FEMS Microbiology Letters, 2024, 371, .	1.1	32
26	Impact of microbial consortium of Rhizobium tropici and Rhizobium mayense on the growth of Phaseolus vulgaris L.. South African Journal of Botany, 2024, 168, 562-572.	2.0	7
27	High-throughput metagenomic assessment of Cango Cave microbiome–A South African limestone cave. Data in Brief, 2024, 54, 110381.	1.0	6
28	Isolation and Characterization of Plant-Growth-Promoting, Drought-Tolerant Rhizobacteria for Improved Maize Productivity. Plants, 2024, 13, 1298.	2.5	37
29	Purpureocillium lilacinum as an Agent of Nematode Control and Plant Growth-Promoting Fungi. Agronomy, 2024, 14, 1225.	2.3	30
30	Response of Biostimulants Based on Native Arbuscular Mycorrhizal Fungi of the Glomeraceae on Maize Yield in a Farming Environment. Agriculture (Switzerland), 2024, 14, 906.	2.5	3
31	The Importance of Soil Microorganisms in Regulating Soil Health. Communications in Soil Science and Plant Analysis, 2024, 55, 2636-2650.	1.1	26
32	The role of microbial seed endophytes in agriculture: mechanisms and applications. Cereal Research Communications, 2024, 53, 43-55.	1.1	6
33	Exploring the role of endophytic fungi in the amelioration of drought stress in plants. Plant Protection Science, 2024, 60, 213-228.	0.5	12
34	Climatic effects on aflatoxin contamination of maize. Toxicology Reports, 2024, 13, 101711.	2.4	14
35	Effects of Trichoderma harzianum and Bacillus subtilis on the root and soil microbiomes of the soybean plant INTACTA RR2 PRO™. Frontiers in Plant Science, 2024, 15, .	3.0	24
36	Growth promotion and modulation of the soybean microbiome INTACTA RR PRO with the application of the fungi Trichoderma harzianum and Purpureocillum lilacinum. Scientific Reports, 2024, 14, .	2.7	7

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37	Metagenome assembly and annotation of data from the rhizosphere soil of drought-stressed CRN-3505 maize cultivar. Data in Brief, 2024, 57, 110966.	1.0	2
38	Unveiling the mycobiome of ecological importance from termitarium soils. Annals of Microbiology, 2024, 74, .	3.0	6
39	Biosynthesis of nanoparticles using microorganisms: A focus on endophytic fungi. Heliyon, 2024, 10, e39636.	2.4	94
40	Pseudomonas koreensis AB36 from a gold mine: genomic insights into adaptation to extreme conditions and potential plant growth promotion. Biologia (Poland), 2024, 79, 3677-3694.	0.9	6
41	Biotic stress alleviation: A sneak peek into the beneficial taxa in rhizosphere. Biocatalysis and Agricultural Biotechnology, 2024, 62, 103427.	3.0	7
42	Characterization of Nodulation-Compatible Strains of Native Soil Rhizobia from the Rhizosphere of Soya Bean (Glycine max L.) Fields in South Africa. Nitrogen, 2024, 5, 1107-1123.	1.8	3
43	Maize rhizosphere modulates the microbiome diversity and community structure to enhance plant health. Saudi Journal of Biological Sciences, 2023, 30, 103499.	2.8	30
44	Assessing Morpho-Physiological and Biochemical Markers of Soybean for Drought Tolerance Potential. Sustainability, 2023, 15, 1427.	2.3	34
45	Growth enhancement and extenuation of drought stress in maize inoculated with multifaceted ACC deaminase producing rhizobacteria. Frontiers in Sustainable Food Systems, 2023, 6, .	2.1	28
46	Trichoderma Species: Our Best Fungal Allies in the Biocontrol of Plant Diseases—A Review. Plants, 2023, 12, 432.	2.5	396
47	Impacts of Binary Oxide Nanoparticles on the Soybean Plant and Its Rhizosphere, Associated Phytohormones, and Enzymes. Molecules, 2023, 28, 1326.	3.2	18
48	Bacterial elicitors of the plant immune system: An overview and the way forward. Plant Stress, 2023, 7, 100138.	4.6	42
49	The Potency of Graphitic Carbon Nitride (gC3N4) and Bismuth Sulphide Nanoparticles (Bi2S3) in the Management of Foliar Fungal Pathogens of Maize. Applied Sciences (Switzerland), 2023, 13, 3731.	1.6	5
50	Understanding the plant-microbe interactions in environments exposed to abiotic stresses: An overview. Microbiological Research, 2023, 271, 127368.	5.7	125
51	Agroecological Management of the Grey Mould Fungus Botrytis cinerea by Plant Growth-Promoting Bacteria. Plants, 2023, 12, 637.	2.5	50
52	Fusarium verticillioides of maize plant: Potentials of propitious phytomicrobiome as biocontrol agents. Frontiers in Fungal Biology, 2023, 4, .	2.3	19
53	Fungi That Promote Plant Growth in the Rhizosphere Boost Crop Growth. Journal of Fungi (Basel, Switzerland), 2023, 9, 239.	2.4	171
54	Structural diversity of bacterial communities in two divergent sunflower rhizosphere soils. Annals of Microbiology, 2023, 73, .	3.0	9

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55	Sustainable Agriculture: Rare-Actinomycetes to the Rescue. Agronomy, 2023, 13, 666.	2.3	24
56	Bioassessment of Phylogenetic Relatedness and Plant Growth Enhancement of Endophytic Bacterial Isolates from Cowpea (Vigna unguiculata) Plant Tissues. Horticulturae, 2023, 9, 332.	1.9	6
57	Comparative Insights into the Microbial Diversity and Community Structure of Striga hermonthica-Infested Maize Rhizosphere. Applied Sciences (Switzerland), 2023, 13, 3260.	1.6	7
58	Power of shared success: how can sharing success and roles of others motivate African women in STEM?. International Journal for Educational and Vocational Guidance, 2023, 24, 1-27.	0.6	6
59	Yield response of accessions of Bambara groundnut (Vigna subterranea (L) Verdc) inoculated with Bradyrhizobium japonicum strains. Frontiers in Sustainable Food Systems, 2023, 7, .	2.1	3
60	Trenchant microbiological-based approach for the control of Striga: Current practices and future prospects. Frontiers in Sustainable Food Systems, 2023, 7, .	2.1	8
61	Agroecological techniques: adoption of safe and sustainable agricultural practices among the smallholder farmers in Africa. Frontiers in Sustainable Food Systems, 2023, 7, .	2.1	97
62	Corrigendum to “Shotgun metagenomics dataset of Striga hermonthica-infested maize (Zea mays L.) rhizospheric soil microbiome” [Data in Brief, volume 48 (2023) 1–5/109132]. Data in Brief, 2023, 48, 109191.	1.0	0
63	The two sides of resistance–resilience relationship in both aboveground and belowground communities in the Eurasian steppe. New Phytologist, 2023, 239, 350-363.	5.3	26
64	Dataset of shotgun metagenomic evaluation of lettuce (Lactuta sativa L.) rhizosphere microbiome. Data in Brief, 2023, 48, 109214.	1.0	8
65	Metagenomic study of the tomato rhizosphere soil microbiome: current state and prospect. AIMS Geosciences, 2023, 9, 330-356.	0.6	3
66	Bioremediation of environmental wastes: the role of microorganisms. Frontiers in Agronomy, 2023, 5, .	1.9	379
67	Bioresources in Organic Farming: Implications for Sustainable Agricultural Systems. Horticulturae, 2023, 9, 659.	1.9	35
68	Rare rhizo-Actinomycetes: A new source of agroactive metabolites. Biotechnology Advances, 2023, 67, 108205.	9.5	57
69	Metagenomics Reveals the Microbiome Multifunctionalities of Environmental Importance From Termite Mound Soils. Bioinformatics and Biology Insights, 2023, 17, .	1.1	16
70	Soil Aspergillus Species, Pathogenicity and Control Perspectives. Journal of Fungi (Basel, Switzerland), 2023, 9, 766.	2.4	71
71	Communication between Plants and Rhizosphere Microbiome: Exploring the Root Microbiome for Sustainable Agriculture. Microorganisms, 2023, 11, 2003.	2.7	55
72	Harnessing of plant growth-promoting rhizobacteria and arbuscular mycorrhizal fungi in agroecosystem sustainability. CABI Agriculture and Bioscience, 2023, 4, .	2.2	60

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73	Impact of nitrogen-fixation bacteria on nitrogen-fixation efficiency of Bambara groundnut [Vigna subterranea (L) Verdc] genotypes. Frontiers in Microbiology, 2023, 14, .	2.9	7
74	A metagenomic lens into endosphere microbial communities, promises, and discoveries. Letters in Applied Microbiology, 2023, 76, .	1.2	29
75	Resistance and Biofilm Production Profile of Potential Isolated from Kpètè-Kpètè Used to Produce Traditional Fermented Beer. Microorganisms, 2023, 11, 1939.	2.7	0
76	Quantifying the Respiratory Pattern of Rhizosphere Microbial Communities in Healthy and Diseased Tomato Plants Using Carbon Substrates. Journal of Soil Science and Plant Nutrition, 2023, 23, 6485-6496.	1.9	8
77	The functionality of plant-microbe interactions in disease suppression. Journal of King Saud University - Science, 2023, 35, 102893.	1.9	28
78	Rhizobiome Transplantation: A Novel Strategy beyond Single-Strain/Consortium Inoculation for Crop Improvement. Plants, 2023, 12, 3226.	2.5	20
79	Communication between plant roots and the soil microbiome; involvement in plant growth and development. Symbiosis, 2023, 90, 231-239.	1.8	105
80	Deciphering the antifungal and plant growth-stimulating traits of the stress-tolerant Streptomyces achromogenes subsp. achromogenes strain UMAF16, a bacterium isolated from soils affected by underground fires. Biocatalysis and Agricultural Biotechnology, 2023, 53, 102859.	3.0	14
81	Endosphere microbial communities and plant nutrient acquisition toward sustainable agriculture. Emerging Topics in Life Sciences, 2023, 7, 207-217.	2.9	31
82	Response of Soil Microbial Community (Bacteria and Fungi) to Organic and Inorganic Amendments Using Tomato as a Test Crop. Air, Soil and Water Research, 2023, 16, .	1.5	10
83	Pedological factors as drivers of archaeal and fungal communities in maize rhizosphere: a shotgun metagenomic sequencing approach. SN Applied Sciences, 2023, 5, .	2.2	13
84	The potential of biostimulants on soil microbial community: a review. Frontiers in Industrial Microbiology, 2023, 1, .	1.5	36
85	In-field assessment of soil pH and mineralization of phosphorus and potassium following the application of composted winery solid waste in sandy loam Ferric Luvisol. Emirates Journal of Food and Agriculture, 2023, , .	0.5	3
86	Breeding Potentials of Bambara Groundnut for Food and Nutrition Security in the Face of Climate Change. Frontiers in Plant Science, 2022, 12, .	3.0	46
87	The Potential Role of Microbial Biostimulants in the Amelioration of Climate Change-Associated Abiotic Stresses on Crops. Frontiers in Microbiology, 2022, 12, .	2.9	133
88	Evaluation of Pseudomonas fulva PS9.1 and Bacillus velezensis NWUMFkBS10.5 as Candidate Plant Growth Promoters during Maize-Fusarium Interaction. Plants, 2022, 11, 324.	2.5	12
89	Trichoderma: Potential bio-resource for the management of tomato root rot diseases in Africa. Microbiological Research, 2022, 257, 126978.	5.7	65
90	Plant Growth Stage Drives the Temporal and Spatial Dynamics of the Bacterial Microbiome in the Rhizosphere of Vigna subterranea. Frontiers in Microbiology, 2022, 13, .	2.9	53

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91	Sustainable Intensification of Maize in the Industrial Revolution: Potential of Nitrifying Bacteria and Archaea. Frontiers in Sustainable Food Systems, 2022, 6, .	2.1	3
92	Factors Influencing Soil Nitrification Process and the Effect on Environment and Health. Frontiers in Sustainable Food Systems, 2022, 6, .	2.1	95
93	Improving Bambara Groundnut Production: Insight Into the Role of Omics and Beneficial Bacteria. Frontiers in Plant Science, 2022, 13, .	3.0	24
94	Relationship between nitrifying microorganisms and other microorganisms residing in the maize rhizosphere. Archives of Microbiology, 2022, 204, .	2.1	6
95	Meta-omics of endophytic microbes in agricultural biotechnology. Biocatalysis and Agricultural Biotechnology, 2022, 42, 102332.	3.0	46
96	Green synthesis of zinc oxide nanoparticles using plantain peel extracts and the evaluation of their antibacterial activity. Scientific African, 2022, 16, e01152.	1.2	69
97	Effect of endophytic bacterium, Stenotrophomonas maltophilia JVB5 on sunflowers. Plant Protection Science, 2022, 58, 185-198.	0.5	20
98	Effects of soil properties and carbon substrates on bacterial diversity of two sunflower farms. AMB Express, 2022, 12, .	2.3	8
99	Biocontrol mechanisms of endophytic fungi. Egyptian Journal of Biological Pest Control, 2022, 32, .	1.3	116
100	Six Main Contributing Factors to High Levels of Mycotoxin Contamination in African Foods. Toxins, 2022, 14, 318.	2.5	90
101	Plant Health Status Affects the Functional Diversity of the Rhizosphere Microbiome Associated With Solanum lycopersicum. Frontiers in Sustainable Food Systems, 2022, 6, .	2.1	18
102	The Effects of Plant Health Status on the Community Structure and Metabolic Pathways of Rhizosphere Microbial Communities Associated with Solanum lycopersicum. Horticulturae, 2022, 8, 404.	1.9	29
103	Functional diversity of bacterial communities in the rhizosphere of maize grown on a soil under organic and inorganic fertilization. Scientific African, 2022, 16, e01212.	1.2	7
104	Strategies to Enhance the Use of Endophytes as Bioinoculants in Agriculture. Horticulturae, 2022, 8, 498.	1.9	60
105	Metagenomics: A Tool for Exploring Key Microbiome With the Potentials for Improving Sustainable Agriculture. Frontiers in Sustainable Food Systems, 2022, 6, .	2.1	123
106	Formulation of Biostimulants Based on Arbuscular Mycorrhizal Fungi for Maize Growth and Yield. Frontiers in Agronomy, 2022, 4, .	1.9	32
107	Effect of Bradyrhizobium japonicum Strains and Inorganic Nitrogen Fertilizer on the Growth and Yield of Bambara Groundnut (Vigna subterranea (L.) Verdc) Accessions. Frontiers in Sustainable Food Systems, 2022, 6, .	2.1	16
108	Harnessing the Known and Unknown Impact of Nanotechnology on Enhancing Food Security and Reducing Postharvest Losses: Constraints and Future Prospects. Agronomy, 2022, 12, 1657.	2.3	43

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109	Rhizobiome engineering: Unveiling complex rhizosphere interactions to enhance plant growth and health. Microbiological Research, 2022, 263, 127137.	5.7	118
110	Bambara Groundnut Rhizobacteria Antimicrobial and Biofertilization Potential. Frontiers in Plant Science, 2022, 13, .	3.0	11
111	In vitro Screening of Sunflower Associated Endophytic Bacteria With Plant Growth-Promoting Traits. Frontiers in Sustainable Food Systems, 2022, 6, .	2.1	25
112	The rhizosphere microbial complex in plant health: A review of interaction dynamics. Journal of Integrative Agriculture, 2022, 21, 2168-2182.	2.0	77
113	Striga hermonthica: A highly destructive pathogen in maize production. Environmental Challenges, 2022, 8, 100590.	3.1	44
114	Efforts towards overcoming drought stress in crops: Revisiting the mechanisms employed by plant growth-promoting bacteria. Frontiers in Microbiology, 2022, 13, .	2.9	137
115	Microorganisms in Plant Growth and Development: Roles in Abiotic Stress Tolerance and Secondary Metabolites Secretion. Microorganisms, 2022, 10, 1528.	2.7	295
116	Unravelling the Endophytic Virome Inhabiting Maize Plant. Agronomy, 2022, 12, 1867.	2.3	5
117	Functional Diversity of Microbial Communities in the Soybean (Glycine max L.) Rhizosphere from Free State, South Africa. International Journal of Molecular Sciences, 2022, 23, 9422.	3.2	20
118	Physico-chemical characteristics and cytotoxicity evaluation of CuO and TiO2 nanoparticles biosynthesized using extracts of Mucuna pruriens utilis seeds. Heliyon, 2022, 8, e10187.	2.4	28
119	Aflatoxins in Maize: Can Their Occurrence Be Effectively Managed in Africa in the Face of Climate Change and Food Insecurity?. Toxins, 2022, 14, 574.	2.5	60
120	Rhizospheric microorganisms: The gateway to a sustainable plant health. Frontiers in Sustainable Food Systems, 2022, 6, .	2.1	95
121	Underreported Human Exposure to Mycotoxins: The Case of South Africa. Foods, 2022, 11, 2714.	3.5	24
122	16S Amplicon Sequencing of Nitrifying Bacteria and Archaea Inhabiting Maize Rhizosphere and the Influencing Environmental Factors. Agriculture (Switzerland), 2022, 12, 1328.	2.5	11
123	Biosynthesis of Nanoparticles Using Endophytes: A Novel Approach for Enhancing Plant Growth and Sustainable Agriculture. Sustainability, 2022, 14, 10839.	2.3	36
124	Bioencapsulation of Microbial Inoculants: Mechanisms, Formulation Types and Application Techniques. Applied Biosciences, 2022, 1, 198-220.	2.7	92
125	Characterization and antagonistic potentials of selected rhizosphere Trichoderma species against some Fusarium species. Frontiers in Microbiology, 2022, 13, .	2.9	37
126	Legacy Effects of Biochar and Compost Addition on Arbuscular Mycorrhizal Fungal Community and Co-Occurrence Network in Black Soil. Microorganisms, 2022, 10, 2137.	2.7	14

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127	Bioprospecting and Challenges of Plant Microbiome Research for Sustainable Agriculture, a Review on Soybean Endophytic Bacteria. Microbial Ecology, 2022, 85, 1113-1135.	2.5	63
128	Carbon source utilization pattern of soil bacterial microbiome of bambara groundnut rhizosphere at the different growth stages determines soil fertility. Frontiers in Sustainable Food Systems, 2022, 6, .	2.1	6
129	Recent Developments in the Application of Plant Growth-Promoting Drought Adaptive Rhizobacteria for Drought Mitigation. Plants, 2022, 11, 3090.	2.5	41
130	The use of soil microbial potassium solubilizers in potassium nutrient availability in soil and its dynamics. Annals of Microbiology, 2022, 72, .	3.0	136
131	Synergistic relationship of endophyte-nanomaterials to alleviate abiotic stress in plants. Frontiers in Environmental Science, 2022, 10, .	2.3	36
132	Genomic Insights into Two Endophytic Strains: Stenotrophomonas geniculata NWUBe21 and Pseudomonas carnis NWUBe30 from Cowpea with Plant Growth-Stimulating Attributes. Applied Sciences (Switzerland), 2022, 12, 12953.	1.6	12
133	Harnessing the Rhizosphere Soil Microbiome of Organically Amended Soil for Plant Productivity. Agronomy, 2022, 12, 3179.	2.3	59
134	Reclamation of arid and semi-arid soils: The role of plant growth-promoting archaea and bacteria. Current Plant Biology, 2021, 25, 100173.	2.3	187
135	Functional diversity of microbial communities in two contrasting maize rhizosphere soils. Rhizosphere, 2021, 17, 100282.	2.3	26
136	Effects of rhizobia and arbuscular mycorrhizal fungi on yield, size distribution and fatty acid of soybean seeds grown under drought stress. Microbiological Research, 2021, 242, 126640.	5.7	157
137	The fungal and archaeal community within plant rhizosphere: a review on their contribution to crop safety. Journal of Plant Nutrition, 2021, 44, 600-618.	1.1	45
138	The diverse functional genes of maize rhizosphere microbiota assessed using shotgun metagenomics. Journal of the Science of Food and Agriculture, 2021, 101, 3193-3201.	2.9	35
139	Resident rhizosphere microbiome's ecological dynamics and conservation: Towards achieving the envisioned Sustainable Development Goals, a review. International Soil and Water Conservation Research, 2021, 9, 127-142.	5.4	46
140	Unveiling the putative functional genes present in root-associated endophytic microbiome from maize plant using the shotgun approach. Journal of Applied Genetics, 2021, 62, 339-351.	1.1	28
141	Shotgun metagenomics reveals the functional diversity of root-associated endophytic microbiomes in maize plant. Current Plant Biology, 2021, 25, 100195.	2.3	30
142	Whole Genome Sequencing of Sunflower Root-Associated Bacillus cereus. Evolutionary Bioinformatics, 2021, 17, .	1.0	23
143	Metagenomic insights into the bacterial community structure and functional potentials in the rhizosphere soil of maize plants. Journal of Plant Interactions, 2021, 16, 258-269.	2.2	24
144	Bioprospecting of microbial strains for biofuel production: metabolic engineering, applications, and challenges. Biotechnology for Biofuels, 2021, 14, .	6.3	244

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145	Rhizosphere Microbiome Cooperations: Strategies for Sustainable Crop Production. Current Microbiology, 2021, 78, 1069-1085.	1.7	85
146	Genomic Exploration of Bacillus thuringiensis MORWBS1.1, Candidate Biocontrol Agent, Predicts Genes for Biosynthesis of Zwittermicin, 4,5-DOPA Dioxygenase Extradiol, and Quercetin 2,3-Dioxygenase. Molecular Plant-Microbe Interactions, 2021, 34, 602-605.	2.1	6
147	Pharmacological Potential of Fungal Endophytes Associated with Medicinal Plants: A Review. Journal of Fungi (Basel, Switzerland), 2021, 7, 147.	2.4	156
148	Agricultural Sustainability: Microbial Biofertilizers in Rhizosphere Management. Agriculture (Switzerland), 2021, 11, 163.	2.5	273
149	The Immense Functional Attributes of Maize Rhizosphere Microbiome: A Shotgun Sequencing Approach. Agriculture (Switzerland), 2021, 11, 118.	2.5	11
150	Soil fertilization affects the abundance and distribution of carbon and nitrogen cycling genes in the maize rhizosphere. AMB Express, 2021, 11, .	2.3	49
151	Metagenomic Insight into the Community Structure and Functional Genes in the Sunflower Rhizosphere Microbiome. Agriculture (Switzerland), 2021, 11, 167.	2.5	34
152	Rhizobium and Mycorrhizal Fungal Species Improved Soybean Yield Under Drought Stress Conditions. Current Microbiology, 2021, 78, 1615-1627.	1.7	68
153	Insight into the Organizational Culture and Challenges Faced by Women STEM Leaders in Africa. Social Sciences, 2021, 10, 105.	0.9	16
154	Metagenomic profiling of rhizosphere microbial community structure and diversity associated with maize plant as affected by cropping systems. International Microbiology, 2021, 24, 325-335.	1.5	42
155	Biotechnological overview of agriculturally important endophytic fungi. Horticulture Environment and Biotechnology, 2021, 62, 507-520.	4.0	48
156	The multifaceted plant-beneficial rhizobacteria toward agricultural sustainability. Plant Protection Science, 2021, 57, 95-111.	0.5	13
157	Efficacy of Biostimulants Formulated With Pseudomonas putida and Clay, Peat, Clay-Peat Binders on Maize Productivity in a Farming Environment in Southern Benin. Frontiers in Sustainable Food Systems, 2021, 5, .	2.1	17
158	Propagation and characterization of viable arbuscular mycorrhizal fungal spores within maize plant (Zea mays L.). Journal of the Science of Food and Agriculture, 2021, 101, 5834-5841.	2.9	31
159	Metagenomics Assessment of Soil Fertilization on the Chemotaxis and Disease Suppressive Genes Abundance in the Maize Rhizosphere. Genes, 2021, 12, 535.	1.8	16
160	Biotechnological utilization: the role of Zea mays rhizospheric bacteria in ecosystem sustainability. Applied Microbiology and Biotechnology, 2021, 105, 4487-4500.	2.9	38
161	Biopedturbation by Termites Affects Respiration Profiles of Microbial Communities from Termite Mound Soils. Journal of Soil Science and Plant Nutrition, 2021, 21, 2115-2123.	1.9	11
162	Impact of cropping systems on the functional diversity of rhizosphere microbial communities associated with maize plant: a shotgun approach. Archives of Microbiology, 2021, 203, 3605-3613.	2.1	8

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163	Perspectives for sustainable agriculture from the microbiome in plant rhizosphere. Plant Biotechnology Reports, 2021, 15, 259-278.	1.0	35
164	Roles of Plant Endosphere Microbes in Agriculture-A Review. Journal of Plant Growth Regulation, 2021, 41, 1411-1428.	2.3	49
165	The Influence of Soil Fertilization on the Distribution and Diversity of Phosphorus Cycling Genes and Microbes Community of Maize Rhizosphere Using Shotgun Metagenomics. Genes, 2021, 12, 1022.	1.8	54
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