

Muhammad Aaqil Khan

List of Publications by Year in descending order

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55
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56
docs citations

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#	ARTICLE	IF	CITATIONS
1	Mitigation of Commercial Food Waste-Related Salinity Stress Using Halotolerant Rhizobacteria in Chinese Cabbage Plants. <i>Horticulturae</i> , 2022, 8, 49.	1.2	3
2	Endophytic fungus <i>Bipolaris</i> sp. CSL-1 induces salt tolerance in <i>Glycine max.</i> L via modulating its endogenous hormones, antioxidative system and gene expression. <i>Journal of Plant Interactions</i> , 2022, 17, 319-332.	1.0	16
3	The Combined Inoculation of <i>Curvularia lunata</i> AR11 and Biochar Stimulates Synthetic Silicon and Potassium Phosphate Use Efficiency, and Mitigates Salt and Drought Stresses in Rice. <i>Frontiers in Plant Science</i> , 2022, 13, 816858.	1.7	10
4	<i>Porostereum spadiceum</i> -AGH786 Regulates the Growth and Metabolites Production in <i>Triticum aestivum</i> L. Under Salt Stress. <i>Current Microbiology</i> , 2022, 79, 159.	1.0	12
5	Drought and UV Radiation Stress Tolerance in Rice Is Improved by Overaccumulation of Non-Enzymatic Antioxidant Flavonoids. <i>Antioxidants</i> , 2022, 11, 917.	2.2	22
6	Pragmatic role of microbial plant biostimulants in abiotic stress relief in crop plants. <i>Journal of Plant Interactions</i> , 2022, 17, 705-718.	1.0	50
7	A Review on the Role of Endophytes and Plant Growth Promoting Rhizobacteria in Mitigating Heat Stress in Plants. <i>Microorganisms</i> , 2022, 10, 1286.	1.6	32
8	Biopriming of Maize Seeds with a Novel Bacterial Strain SH-6 to Enhance Drought Tolerance in South Korea. <i>Plants</i> , 2022, 11, 1674.	1.6	12
9	Ameliorative effect of indole-3-acetic acid- and siderophore-producing <i>Leclercia adecarboxylata</i> MO1 on cucumber plants under zinc stress. <i>Journal of Plant Interactions</i> , 2021, 16, 30-41.	1.0	27
10	Novel <i>Bacillus cereus</i> Strain, ALT1, Enhance Growth and Strengthens the Antioxidant System of Soybean under Cadmium Stress. <i>Agronomy</i> , 2021, 11, 404.	1.3	22
11	Silicon and Plant Growth-Promoting Rhizobacteria <i>Pseudomonas psychrotolerans</i> CS51 Mitigates Salt Stress in <i>Zea mays</i> L.. <i>Agriculture (Switzerland)</i> , 2021, 11, 272.	1.4	30
12	Halotolerant bacteria mitigate the effects of salinity stress on soybean growth by regulating secondary metabolites and molecular responses. <i>BMC Plant Biology</i> , 2021, 21, 176.	1.6	76
13	Phosphate-Solubilizing <i>Enterobacter ludwigii</i> AFFR02 and <i>Bacillus megaterium</i> Mj1212 Rescues Alfalfa™s Growth under Post-Drought Stress. <i>Agriculture (Switzerland)</i> , 2021, 11, 485.	1.4	19
14	Exogenous melatonin induces drought stress tolerance by promoting plant growth and antioxidant defence system of soybean plants. <i>AoB PLANTS</i> , 2021, 13, plab026.	1.2	90
15	Flavonone 3-hydroxylase Relieves Bacterial Leaf Blight Stress in Rice via Overaccumulation of Antioxidant Flavonoids and Induction of Defense Genes and Hormones. <i>International Journal of Molecular Sciences</i> , 2021, 22, 6152.	1.8	26
16	Rhizospheric <i>Bacillus</i> spp. Rescues Plant Growth Under Salinity Stress via Regulating Gene Expression, Endogenous Hormones, and Antioxidant System of <i>Oryza sativa</i> L. <i>Frontiers in Plant Science</i> , 2021, 12, 665590.	1.7	38
17	Current Knowledge of Medicinal Mushrooms Related to Anti-Oxidant Properties. <i>Sustainability</i> , 2021, 13, 7948.	1.6	14
18	Effects of Organic Fertilizer Mixed with Food Waste Dry Powder on the Growth of Chinese Cabbage Seedlings. <i>Environments - MDPI</i> , 2021, 8, 86.	1.5	6

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19	Melatonin Ameliorates Thermotolerance in Soybean Seedling through Balancing Redox Homeostasis and Modulating Antioxidant Defense, Phytohormones and Polyamines Biosynthesis. <i>Molecules</i> , 2021, 26, 5116.	1.7	52
20	Influence of the Rhizobacterium <i>Rhodobacter sphaeroides</i> KE149 and Biochar on Waterlogging Stress Tolerance in <i>Glycine max</i> L.. <i>Environments - MDPI</i> , 2021, 8, 94.	1.5	6
21	Over-Expression of Chorismate Mutase Enhances the Accumulation of Salicylic Acid, Lignin, and Antioxidants in Response to the White-Backed Planthopper in Rice Plants. <i>Antioxidants</i> , 2021, 10, 1680.	2.2	8
22	Enhanced Flavonoid Accumulation Reduces Combined Salt and Heat Stress Through Regulation of Transcriptional and Hormonal Mechanisms. <i>Frontiers in Plant Science</i> , 2021, 12, 796956.	1.7	35
23	Overexpression of OsCM alleviates BLB stress via phytohormonal accumulation and transcriptional modulation of defense-related genes in <i>Oryza sativa</i> . <i>Scientific Reports</i> , 2020, 10, 19520.	1.6	17
24	Modulation of sugar and nitrogen in callus induction media alter PAL pathway, SA and biomass accumulation in rice callus. <i>Plant Cell, Tissue and Organ Culture</i> , 2020, 143, 517-530.	1.2	5
25	The Halotolerant Rhizobacterium <i>Pseudomonas koreensis</i> MU2 Enhances Inorganic Silicon and Phosphorus Use Efficiency and Augments Salt Stress Tolerance in Soybean (<i>Glycine max</i> L.). <i>Microorganisms</i> , 2020, 8, 1256.	1.6	42
26	Thermotolerance effect of plant growth-promoting <i>Bacillus cereus</i> SA1 on soybean during heat stress. <i>BMC Microbiology</i> , 2020, 20, 175.	1.3	147
27	Complete Genome Sequence of <i>Pseudomonas psychrotolerans</i> CS51, a Plant Growth-Promoting Bacterium, Under Heavy Metal Stress Conditions. <i>Microorganisms</i> , 2020, 8, 382.	1.6	45
28	Extending thermotolerance to tomato seedlings by inoculation with SA1 isolate of <i>Bacillus cereus</i> and comparison with exogenous humic acid application. <i>PLoS ONE</i> , 2020, 15, e0232228.	1.1	59
29	Plant growth-promoting endophytic bacteria augment growth and salinity tolerance in rice plants. <i>Plant Biology</i> , 2020, 22, 850-862.	1.8	74
30	Effect of Silicate and Phosphate Solubilizing Rhizobacterium <i>Enterobacter ludwigii</i> GAK2 on <i>Oryza sativa</i> L. under Cadmium Stress. <i>Journal of Microbiology and Biotechnology</i> , 2020, 30, 118-126.	0.9	40
31	Inoculation with Indole-3-Acetic Acid-Producing Rhizospheric <i>Rhodobacter sphaeroides</i> KE149 Augments Growth of Adzuki Bean Plants Under Water Stress. <i>Journal of Microbiology and Biotechnology</i> , 2020, 30, 717-725.	0.9	18
32	Enhancement of Drought-Stress Tolerance of <i>Brassica oleracea</i> var. <i>italica</i> L. by Newly Isolated <i>Variovorax</i> sp. YNA59. <i>Journal of Microbiology and Biotechnology</i> , 2020, 30, 1500-1509.	0.9	32
33	Halo-tolerant rhizospheric <i>Arthrobacter woluwensis</i> AK1 mitigates salt stress and induces physio-hormonal changes and expression of GmST1 and GmLAX3 in soybean. <i>Symbiosis</i> , 2019, 77, 9-21.	1.2	47
34	Halotolerant Rhizobacterial Strains Mitigate the Adverse Effects of NaCl Stress in Soybean Seedlings. <i>BioMed Research International</i> , 2019, 2019, 1-15.	0.9	69
35	Integrated phytohormone production by the plant growth-promoting rhizobacterium <i>Bacillus tequilensis</i> SSB07 induced thermotolerance in soybean. <i>Journal of Plant Interactions</i> , 2019, 14, 416-423.	1.0	82
36	Metal Resistant Endophytic Bacteria Reduces Cadmium, Nickel Toxicity, and Enhances Expression of Metal Stress Related Genes with Improved Growth of <i>Oryza Sativa</i> , via Regulating Its Antioxidant Machinery and Endogenous Hormones. <i>Plants</i> , 2019, 8, 363.	1.6	111

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37	Indole-3-acetic-acid and ACC deaminase producing <i>Leclercia adecarboxylata</i> MO1 improves <i>Solanum lycopersicum</i> L. growth and salinity stress tolerance by endogenous secondary metabolites regulation. <i>BMC Microbiology</i> , 2019, 19, 80.	1.3	146
38	Alleviation of salt stress response in soybean plants with the endophytic bacterial isolate <i>Curtobacterium</i> sp. SAK1. <i>Annals of Microbiology</i> , 2019, 69, 797-808.	1.1	88
39	Nitric oxide- induced AtAO3 differentially regulates plant defense and drought tolerance in <i>Arabidopsis thaliana</i> . <i>BMC Plant Biology</i> , 2019, 19, 602.	1.6	35
40	Rhizobacteria AK1 remediates the toxic effects of salinity stress via regulation of endogenous phytohormones and gene expression in soybean. <i>Biochemical Journal</i> , 2019, 476, 2393-2409.	1.7	36
41	Exogenous application of nitric oxide donors regulates short-term flooding stress in soybean. <i>PeerJ</i> , 2019, 7, e7741.	0.9	20
42	Anthracene biodegradation capacity of newly isolated rhizospheric bacteria <i>Bacillus cereus</i> S13. <i>PLoS ONE</i> , 2018, 13, e0201620.	1.1	27
43	Salt tolerance of <i>Glycine max</i> .L induced by endophytic fungus <i>Aspergillus flavus</i> CSH1, via regulating its endogenous hormones and antioxidative system. <i>Plant Physiology and Biochemistry</i> , 2018, 128, 13-23.	2.8	84
44	<i>Pseudomonas veronii</i> KJ mitigates flood stress-associated damage in <i>Sesamum indicum</i> L.. <i>Applied Biological Chemistry</i> , 2018, 61, 575-585.	0.7	20
45	Gibberellin application ameliorates the adverse impact of short-term flooding on <i>Glycine max</i> L.. <i>Biochemical Journal</i> , 2018, 475, 2893-2905.	1.7	21
46	Culturable endophytic fungal diversity in the cadmium hyperaccumulator <i>Solanum nigrum</i> L. and their role in enhancing phytoremediation. <i>Environmental and Experimental Botany</i> , 2017, 135, 126-135.	2.0	68
47	Bacterial endophytes from arid land plants regulate endogenous hormone content and promote growth in crop plants: an example of <i>Sphingomonas</i> sp. and <i>Serratia marcescens</i> . <i>Journal of Plant Interactions</i> , 2017, 12, 31-38.	1.0	90
48	Exogenous ascorbic acid mitigates flood stress damages of <i>Vigna angularis</i> . <i>Applied Biological Chemistry</i> , 2017, 60, 603-614.	0.7	36
49	Osmoprotective functions conferred to soybean plants via inoculation with <i>Sphingomonas</i> sp. LK11 and exogenous trehalose. <i>Microbiological Research</i> , 2017, 205, 135-145.	2.5	100
50	Quorum sensing activity of the plant growth-promoting rhizobacterium <i>Serratia glossinae</i> GS2 isolated from the sesame (<i>Sesamum indicum</i> L.) rhizosphere. <i>Annals of Microbiology</i> , 2017, 67, 623-632.	1.1	26
51	Plant growth-promoting endophyte <i>Sphingomonas</i> sp. LK11 alleviates salinity stress in <i>Solanum pimpinellifolium</i> . <i>Environmental and Experimental Botany</i> , 2017, 133, 58-69.	2.0	131
52	Comparative analysis of complete plastid genomes from wild soybean (<i>Glycine soja</i>) and nine other <i>Glycine</i> species. <i>PLoS ONE</i> , 2017, 12, e0182281.	1.1	53
53	Mitochondrial Genome Analysis of Wild Rice (<i>Oryza minuta</i>) and Its Comparison with Other Related Species. <i>PLoS ONE</i> , 2016, 11, e0152937.	1.1	31
54	Root System Architecture and Abiotic Stress Tolerance: Current Knowledge in Root and Tuber Crops. <i>Frontiers in Plant Science</i> , 2016, 7, 1584.	1.7	157

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55	Seed-borne endophytic <i>Bacillus amyloliquefaciens</i> RWL-1 produces gibberellins and regulates endogenous phytohormones of <i>Oryza sativa</i> . <i>Plant Physiology and Biochemistry</i> , 2016, 106, 236-243.	2.8	219