## Muhammad Waqas

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Endophytic Fungi Produce Gibberellins and Indoleacetic Acid and Promotes Host-Plant Growth during Stress. Molecules, 2012, 17, 10754-10773.	3.8	453
2	Sewage Sludge Biochar Influence upon Rice ( <i>Oryza sativa</i> L) Yield, Metal Bioaccumulation and Greenhouse Gas Emissions from Acidic Paddy Soil. Environmental Science & Technology, 2013, 47, 8624-8632.	10.0	413
3	Bacterial endophyte Sphingomonas sp. LK11 produces gibberellins and IAA and promotes tomato plant growth. Journal of Microbiology, 2014, 52, 689-695.	2.8	377
4	Plant growth-promoting rhizobacteria reduce adverse effects of salinity and osmotic stress by regulating phytohormones and antioxidants in <i>Cucumis sativus</i> . Journal of Plant Interactions, 2014, 9, 673-682.	2.1	345
5	Endophytic fungal association via gibberellins and indole acetic acid can improve plant growth under abiotic stress: an example of Paecilomyces formosus LHL10. BMC Microbiology, 2012, 12, 3.	3.3	287
6	Inoculation of abscisic acid-producing endophytic bacteria enhances salinity stress tolerance in Oryza sativa. Environmental and Experimental Botany, 2017, 136, 68-77.	4.2	266
7	Methyl jasmonate alleviated salinity stress in soybean. Journal of Crop Science and Biotechnology, 2009, 12, 63-68.	1.5	220
8	Seed-borne endophytic Bacillus amyloliquefaciens RWL-1 produces gibberellins and regulates endogenous phytohormones of Oryza sativa. Plant Physiology and Biochemistry, 2016, 106, 236-243.	5.8	219
9	Gibberellins Producing Endophytic Fungus Porostereum spadiceum AGH786 Rescues Growth of Salt Affected Soybean. Frontiers in Microbiology, 2017, 8, 686.	3.5	165
10	Plant growth promoting endophytic fungi Asprgillus fumigatus TS1 and Fusarium proliferatum BRL1 produce gibberellins and regulates plant endogenous hormones. Symbiosis, 2018, 76, 117-127.	2.3	165
11	Gibberellins producing endophytic Aspergillus fumigatus sp. LH02 influenced endogenous phytohormonal levels, isoflavonoids production and plant growth in salinity stress. Process Biochemistry, 2011, 46, 440-447.	3.7	164
12	Exogenous Gibberellic Acid Reprograms Soybean to Higher Growth and Salt Stress Tolerance. Journal of Agricultural and Food Chemistry, 2010, 58, 7226-7232.	5.2	147
13	Endophytic fungi promote plant growth and mitigate the adverse effects of stem rot: an example of <i>Penicillium citrinum</i> and <i>Aspergillus terreus</i> . Journal of Plant Interactions, 2015, 10, 280-287.	2.1	144
14	IAA producing fungal endophyte Penicillium roqueforti Thom., enhances stress tolerance and nutrients uptake in wheat plants grown on heavy metal contaminated soils. PLoS ONE, 2018, 13, e0208150.	2.5	132
15	Plant growth-promoting endophyte Sphingomonas sp. LK11 alleviates salinity stress in Solanum pimpinellifolium. Environmental and Experimental Botany, 2017, 133, 58-69.	4.2	131
16	Cladosporium sphaerospermum as a new plant growth-promoting endophyte from the roots of Glycine max (L.) Merr World Journal of Microbiology and Biotechnology, 2009, 25, 627-632.	3.6	124
17	Endophytic Fungi from Frankincense Tree Improves Host Growth and Produces Extracellular Enzymes and Indole Acetic Acid. PLoS ONE, 2016, 11, e0158207.	2.5	124
18	Gibberellin production and plant growth promotion from pure cultures of <i>Cladosporium</i> sp. MH-6 isolated from cucumber ( <i>Cucumis sativus</i> L.). Mycologia, 2010, 102, 989-995.	1.9	118

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19	The Complete Chloroplast Genome of Wild Rice (Oryza minuta) and Its Comparison to Related Species. Frontiers in Plant Science, 2017, 8, 304.	3.6	115
20	Endophytic bacteria ( <i>Sphingomonas</i> sp. LK11) and gibberellin can improve <i>Solanum lycopersicum</i> growth and oxidative stress under salinity. Journal of Plant Interactions, 2015, 10, 117-125.	2.1	113
21	Complete Chloroplast Genome of Nicotiana otophora and its Comparison with Related Species. Frontiers in Plant Science, 2016, 7, 843.	3.6	108
22	Comparative analysis of endogenous hormones level in two soybean (Glycine max L.) lines differing in waterlogging tolerance. Frontiers in Plant Science, 2015, 6, 714.	3.6	107
23	Gibberellin-producing Serratia nematodiphila PEJ1011 ameliorates low temperature stress in Capsicum annuum L European Journal of Soil Biology, 2015, 68, 85-93.	3.2	98
24	Host plant growth promotion and cadmium detoxification in Solanum nigrum, mediated by endophytic fungi. Ecotoxicology and Environmental Safety, 2017, 136, 180-188.	6.0	95
25	In vitro production of IAA by endophytic fungus Aspergillus awamori and its growth promoting activities in Zea mays. Symbiosis, 2019, 77, 225-235.	2.3	92
26	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> . Journal of Plant Interactions, 2017, 12, 31-38.	2.1	90
27	Phytohormone-producing fungal endophytes and hardwood-derived biochar interact to ameliorate heavy metal stress in soybeans. Biology and Fertility of Soils, 2014, 50, 1155-1167.	4.3	86
28	Salt tolerance of Glycine max .L induced by endophytic fungus Aspergillus flavus CSH1, via regulating its endogenous hormones and antioxidative system. Plant Physiology and Biochemistry, 2018, 128, 13-23.	5.8	84
29	Phytohormones enabled endophytic fungal symbiosis improve aluminum phytoextraction in tolerant Solanum lycopersicum: An examples of Penicillium janthinellum LK5 and comparison with exogenous GA3. Journal of Hazardous Materials, 2015, 295, 70-78.	12.4	83
30	Integrated phytohormone production by the plant growth-promoting rhizobacterium <i>Bacillus tequilensis</i> SSB07 induced thermotolerance in soybean. Journal of Plant Interactions, 2019, 14, 416-423.	2.1	82
31	Bioactive chemical constituents produced by endophytes and effects on rice plant growth. Journal of Plant Interactions, 2014, 9, 478-487.	2.1	81
32	Halotolerant bacteria mitigate the effects of salinity stress on soybean growth by regulating secondary metabolites and molecular responses. BMC Plant Biology, 2021, 21, 176.	3.6	76
33	Endophytic infection alleviates biotic stress in sunflower through regulation of defence hormones, antioxidants and functional amino acids. European Journal of Plant Pathology, 2015, 141, 803-824.	1.7	75
34	<i>Aspergillus niger</i> CSR3 regulates plant endogenous hormones and secondary metabolites by producing gibberellins and indoleacetic acid. Journal of Plant Interactions, 2018, 13, 100-111.	2.1	75
35	An endophytic isolate of the fungus Yarrowia lipolytica produces metabolites that ameliorate the negative impact of salt stress on the physiology of maize. BMC Microbiology, 2019, 19, 3.	3.3	73
36	Mutualistic fungal endophytes produce phytohormones and organic acids that promote japonica rice plant growth under prolonged heat stress. Journal of Zhejiang University: Science B, 2015, 16, 1011-1018.	2.8	72

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37	Bioremediation of hexavalent chromium by endophytic fungi; safe and improved production of Lactuca sativa L. Chemosphere, 2018, 211, 653-663.	8.2	68
38	Phytohormones producing rhizobacterium alleviates chromium toxicity in Helianthus annuus L. by reducing chromate uptake and strengthening antioxidant system. Chemosphere, 2020, 258, 127386.	8.2	62
39	Kinetin modulates physio-hormonal attributes and isoflavone contents of Soybean grown under salinity stress. Frontiers in Plant Science, 2015, 6, 377.	3.6	60
40	Fungal endophyte Penicillium janthinellum LK5 can reduce cadmium toxicity in Solanum lycopersicum (Sitiens and Rhe). Biology and Fertility of Soils, 2014, 50, 75-85.	4.3	57
41	Silicon Confers Soybean Resistance to Salinity Stress Through Regulation of Reactive Oxygen and Reactive Nitrogen Species. Frontiers in Plant Science, 2019, 10, 1725.	3.6	55
42	Endophytic Fungus <i> Aspergillus japonicus</i> Mediates Host Plant Growth under Normal and Heat Stress Conditions. BioMed Research International, 2018, 2018, 1-11.	1.9	53
43	Molecular Mechanisms of the 1-Aminocyclopropane-1-Carboxylic Acid (ACC) Deaminase Producing Trichoderma asperellum MAP1 in Enhancing Wheat Tolerance to Waterlogging Stress. Frontiers in Plant Science, 2020, 11, 614971.	3.6	52
44	Pragmatic role of microbial plant biostimulants in abiotic stress relief in crop plants. Journal of Plant Interactions, 2022, 17, 705-718.	2.1	50
45	Foliar application of methyl jasmonate induced physio-hormonal changes in Pisum sativum under diverse temperature regimes. Plant Physiology and Biochemistry, 2015, 96, 406-416.	5.8	49
46	Plants as Antileishmanial Agents: Current Scenario. Phytotherapy Research, 2016, 30, 1905-1925.	5.8	49
47	Gibberellins and indole-3-acetic acid producing rhizospheric bacterium <i>Leifsonia xyli</i> SE134 mitigates the adverse effects of copper-mediated stress on tomato. Journal of Plant Interactions, 2017, 12, 373-380.	2.1	48
48	Trichoderma reesei improved the nutrition status of wheat crop under salt stress. Journal of Plant Interactions, 2019, 14, 590-602.	2.1	46
49	Phytostabilization and Physicochemical Responses of Korean Ecotype Solanum nigrum L. to Cadmium Contamination. Water, Air, and Soil Pollution, 2014, 225, 1.	2.4	42
50	Salt stress alleviation in Pennisetum glaucum through secondary metabolites modulation by Aspergillus terreus. Plant Physiology and Biochemistry, 2019, 144, 127-134.	5.8	40
51	Optimization of antioxidant, anti-diabetic, and anti-inflammatory activities and ganoderic acid content of differentially dried Ganoderma lucidum using response surface methodology. Food Chemistry, 2021, 335, 127645.	8.2	38
52	Rhizospheric Bacillus spp. Rescues Plant Growth Under Salinity Stress via Regulating Gene Expression, Endogenous Hormones, and Antioxidant System of Oryza sativa L. Frontiers in Plant Science, 2021, 12, 665590.	3.6	38
53	Growth promotion of cucumber by pure cultures of gibberellin-producing Phoma sp. GAH7. World Journal of Microbiology and Biotechnology, 2010, 26, 889-894.	3.6	37
54	In Vitro Antidiabetic Effects and Antioxidant Potential of <i>Cassia nemophila</i> Pods. BioMed Research International, 2018, 2018, 1-6.	1.9	36

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55	Cinnamic acid as an inhibitor of growth, flavonoids exudation and endophytic fungus colonization in maize root. Plant Physiology and Biochemistry, 2019, 135, 61-68.	5.8	36
56	Cochliobolus sp. acts as a biochemical modulator to alleviate salinity stress in okra plants. Plant Physiology and Biochemistry, 2019, 139, 459-469.	5.8	34
57	Heavy metal tolerant endophytic fungi Aspergillus welwitschiae improves growth, ceasing metal uptake and strengthening antioxidant system in Glycine max L Environmental Science and Pollution Research, 2022, 29, 15501-15515.	5.3	34
58	<i>Aspergillus flavus</i> Promoted the Growth of Soybean and Sunflower Seedlings at Elevated Temperature. BioMed Research International, 2019, 2019, 1-13.	1.9	33
59	An Insecticidal Compound Produced by an Insect-Pathogenic Bacterium Suppresses Host Defenses through Phenoloxidase Inhibition. Molecules, 2014, 19, 20913-20928.	3.8	32
60	Biochar amendment changes jasmonic acid levels in two rice varieties and alters their resistance to herbivory. PLoS ONE, 2018, 13, e0191296.	2.5	32
61	Enhancement of Drought-Stress Tolerance of <i>Brassica oleracea</i> var. <i>italica</i> L. by Newly Isolated <i>Variovorax</i> sp. YNA59. Journal of Microbiology and Biotechnology, 2020, 30, 1500-1509.	2.1	32
62	Silicon and Plant Growth-Promoting Rhizobacteria Pseudomonas psychrotolerans CS51 Mitigates Salt Stress in Zea mays L Agriculture (Switzerland), 2021, 11, 272.	3.1	30
63	Additive effects due to biochar and endophyte application enable soybean to enhance nutrient uptake and modulate nutritional parameters. Journal of Zhejiang University: Science B, 2017, 18, 109-124.	2.8	29
64	Isolation and characterization of a novel silicate-solubilizing bacterial strain <i>Burkholderia eburnea</i> CS4-2 that promotes growth of japonica rice ( <i>Oryza sativa</i> L. cv. Dongjin). Soil Science and Plant Nutrition, 0, , 1-9.	1.9	28
65	Metabolic and proteomic alteration in phytohormone-producing endophytic Bacillus amyloliquefaciens RWL-1 during methanol utilization. Metabolomics, 2019, 15, 16.	3.0	28
66	<i>Aspergillus niger</i> boosted heat stress tolerance in sunflower and soybean via regulating their metabolic and antioxidant system. Journal of Plant Interactions, 2020, 15, 223-232.	2.1	28
67	<i>Bacillus amyloliquefaciens</i> BSL16 improves phytoremediation potential of <i>Solanum lycopersicum</i> during copper stress. Journal of Plant Interactions, 2017, 12, 550-559.	2.1	27
68	Anthracene biodegradation capacity of newly isolated rhizospheric bacteria Bacillus cereus S13. PLoS ONE, 2018, 13, e0201620.	2.5	27
69	Effect of Methanolic Extract of Dandelion Roots on Cancer Cell Lines and AMP-Activated Protein Kinase Pathway. Frontiers in Pharmacology, 2017, 8, 875.	3.5	26
70	Salvaging effect of triacontanol on plant growth, thermotolerance, macro-nutrient content, amino acid concentration and modulation of defense hormonal levels under heat stress. Plant Physiology and Biochemistry, 2016, 99, 118-125.	5.8	25
71	Synergistic effect of silver nanoparticles and polymyxin B against biofilm produced by Pseudomonas aeruginosa isolates of pus samples in vitro. Artificial Cells, Nanomedicine and Biotechnology, 2019, 47, 2465-2472.	2.8	25
72	Biochemical Constituents and in Vitro Antioxidant and Anticholinesterase Potential of Seeds from Native Korean Persimmon Genotypes. Molecules, 2016, 21, 893.	3.8	24

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73	Comparative assessment of chromate bioremediation potential of Pantoea conspicua and Aspergillus niger. Journal of Hazardous Materials, 2022, 424, 127314.	12.4	24
74	IAA and flavonoids modulates the association between maize roots and phytostimulant endophytic <i>Aspergillus fumigatus</i> greenish. Journal of Plant Interactions, 2018, 13, 532-542.	2.1	23
75	Effect of elevated nitrogen levels on endogenous gibberellin and jasmonic acid contents of three rice ( <i>Oryza sativa</i> L.) cultivars. Journal of Plant Nutrition and Soil Science, 2008, 171, 181-186.	1.9	22
76	Novel Bacillus cereus Strain, ALT1, Enhance Growth and Strengthens the Antioxidant System of Soybean under Cadmium Stress. Agronomy, 2021, 11, 404.	3.0	22
77	A promising growth promoting <i>Meyerozyma caribbica</i> from <i>Solanum xanthocarpum</i> alleviated stress in maize plants. Bioscience Reports, 2019, 39, .	2.4	22
78	Allergens of <i>Arachis hypogaea</i> and the effect of processing on their detection by ELISA. Food and Nutrition Research, 2016, 60, 28945.	2.6	21
79	Enzyme inhibitory metabolites from endophytic Penicillium citrinum isolated from Boswellia sacra. Archives of Microbiology, 2017, 199, 691-700.	2.2	21
80	Gibberellin application ameliorates the adverse impact of short-term flooding on Glycine max L Biochemical Journal, 2018, 475, 2893-2905.	3.7	21
81	Novel antimicrobial and antioxidative activity by endophytic Penicillium roqueforti and Trichoderma reesei isolated from Solanum surattense. Acta Physiologiae Plantarum, 2019, 41, 1.	2.1	21
82	Industrial polluted soil borne fungi decolorize the recalcitrant azo dyes Synozol red HF–6BN and Synozol black B. Ecotoxicology and Environmental Safety, 2020, 206, 111381.	6.0	21
83	Identification of oral cavity biofilm forming bacteria and determination of their growth inhibition by Acacia arabica , Tamarix aphylla L. and Melia azedarach L. medicinal plants. Archives of Oral Biology, 2017, 81, 175-185.	1.8	20
84	Exogenous application of nitric oxide donors regulates short-term flooding stress in soybean. PeerJ, 2019, 7, e7741.	2.0	20
85	Genotyping of HCV RNA Reveals That 3a Is the Most Prevalent Genotype in Mardan, Pakistan. Advances in Virology, 2014, 2014, 1-5.	1.1	19
86	Aspergillus Flavus reprogrammed morphological and chemical attributes of Solanum lycopersicum through SIGSH1 and SIPCS1 genes modulation under heavy metal stress. Journal of Plant Interactions, 2021, 16, 104-115.	2.1	19
87	Phosphate-Solubilizing EnterobacterÂludwigii AFFR02 and Bacillus megaterium Mj1212 Rescues Alfalfa's Growth under Post-Drought Stress. Agriculture (Switzerland), 2021, 11, 485.	3.1	19
88	Evaluation of Humic Acid Application Methods for Yield and Yield Components of Mungbean. American Journal of Plant Sciences, 2014, 05, 2269-2276.	0.8	18
89	Phytohormones Producing Acinetobacter bouvetii P1 Mitigates Chromate Stress in Sunflower by Provoking Host Antioxidant Response. Antioxidants, 2021, 10, 1868.	5.1	16
90	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. Journal of Plant Interactions, 2022, 17, 319-332.	2.1	16

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91	Pseudocitrobacter anthropi reduces heavy metal uptake and improves phytohormones and antioxidant system in Glycine max L World Journal of Microbiology and Biotechnology, 2021, 37, 195.	3.6	15
92	Growth-promoting bioactivities of Bipolaris sp. CSL-1 isolated from Cannabis sativa suggest a distinctive role in modifying host plant phenotypic plasticity and functions. Acta Physiologiae Plantarum, 2019, 41, 1.	2.1	14
93	Yucasin and cinnamic acid inhibit IAA and flavonoids biosynthesis minimizing interaction between maize and endophyte Aspergillus nomius. Symbiosis, 2020, 81, 149-160.	2.3	14
94	Occurrence of heavy metals and pesticide residues in tomato crop: a threat to public health. Arabian Journal of Geosciences, 2020, 13, 1.	1.3	14
95	Ecological assessment of water quality in the Kabul River, Pakistan, using statistical methods. Oceanological and Hydrobiological Studies, 2017, 46, 140-153.	0.7	13
96	Transformation of Endophytic Bipolaris spp. Into Biotrophic Pathogen Under Auxin Cross-Talk With Brassinosteroids and Abscisic Acid. Frontiers in Bioengineering and Biotechnology, 2021, 9, 657635.	4.1	13
97	Porostereum spadiceum-ACH786 Regulates the Growth and Metabolites Production in Triticum aestivum L. Under Salt Stress. Current Microbiology, 2022, 79, 159.	2.2	12
98	EndophyticCephalotheca sulfureaAGH07 reprograms soybean to higher growth. Journal of Plant Interactions, 2012, 7, 301-306.	2.1	11
99	Salt Stress Alleviation in Triticum aestivum Through Primary and Secondary Metabolites Modulation by Aspergillus terreus BTK-1. Frontiers in Plant Science, 2022, 13, 779623.	3.6	9
100	QRREM method for the isolation of high-quality RNA from the complex matrices of coconut. Bioscience Reports, 2019, 39, .	2.4	8
101	Aspergillus foetidus Regulated the Biochemical Characteristics of Soybean and Sunflower under Heat Stress Condition: Role in Sustainability. Sustainability, 2021, 13, 7159.	3.2	8
102	Intelligent hepatitis diagnosis using adaptive neuro-fuzzy inference system and information gain method. Soft Computing, 2019, 23, 10931-10938.	3.6	7
103	Effects of plant-derived smoke on the growth dynamics of Barnyard Grass ( <i>Echinochloa) Tj ETQq1 1 0.784314</i>	rgBT /Ove	erlgck 10 Tf 5
104	Genomic DNA Extraction for Molecular Identification of Endophytic Fungi: An Easy and Efficient Protocol. Biosciences, Biotechnology Research Asia, 2017, 14, 667-671.	0.5	6
105	Postharvest Drying Techniques Regulate Secondary Metabolites and Anti-Neuroinflammatory Activities of Ganoderma lucidum. Molecules, 2021, 26, 4484.	3.8	5
106	Endophytic aspergillus oryzae reprograms Abelmoschus esculentus L. to higher growth under salt stress via regulation of physiochemical attributes and antioxidant system. , 0, , 1.		5
107	Elemental allelopathy and antifungal activities of <i>Inula falconeri</i> from Himalaya Pakistan. Acta Agriculturae Scandinavica - Section B Soil and Plant Science, 2010, 60, 552-559.	0.6	3
108	Sequence variability of HCV 3a isolates based on core gene in patients from Lahore, Pakistan. Future Virology, 2019, 14, 641-653.	1.8	3

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109	Investigation of Root Morphological Traits Using 2D-Imaging among Diverse Soybeans (Glycine max L.). Plants, 2021, 10, 2535.	3.5	3
110	Core-Proteomics-Based Annotation of Antigenic Targets and Reverse-Vaccinology-Assisted Design of Ensemble Immunogen against the Emerging Nosocomial Infection-Causing Bacterium Elizabethkingia meningoseptica. International Journal of Environmental Research and Public Health, 2022, 19, 194.	2.6	3
111	Gibberellins hypersensitivity hinder the interaction of <i>Bipolaris sorokiniana</i> (Scc.) under cross talks with IAA and transzeatin. Journal of Plant Interactions, 2022, 17, 152-167.	2.1	2
112	Kohl: A Widely used eye Cosmetic with Hazardous Biochemical Composition Biosciences, Biotechnology Research Asia, 2020, 17, 621-628.	0.5	2
113	Complete mitochondrial genome sequence of <i>Aspergillus oryzae</i> RIB 127 and its comparative analysis with related species. Mitochondrial DNA Part B: Resources, 2017, 2, 632-633.	0.4	1
114	Taxonomic investigation of selected rust fungi using scanning electron microscopy from Khyber Pakhtunkhwa, Pakistan. Microscopy Research and Technique, 2021, , .	2.2	1
115	Heavy Metal Analysis of Locally Available Anticancer Medicinal Plants. Biosciences, Biotechnology Research Asia, 2019, 16, 105-111.	0.5	1
116	Physicochemical Properties and Antioxidant Potential of Tateishi Kazu Vegetable Soup. Journal of Food Quality, 2021, 2021, 1-10.	2.6	0
117	Exposure of Brassica to Red Light Antagonizes Low Production of Indoleâ€3â€Acetic Acid in Leaf Through Root Signaling Under Stress Conditions. Photochemistry and Photobiology, 2022, 98, 874-885.	2.5	0