## Muhammad Waqas

List of Publications by Year in descending order

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		57631	58464
117	7,553	44	82
papers	citations	h-index	g-index
117 all docs	117 docs citations	117 times ranked	6001 citing authors

#	Article	IF	CITATIONS
1	Comparative assessment of chromate bioremediation potential of Pantoea conspicua and Aspergillus niger. Journal of Hazardous Materials, 2022, 424, 127314.	6.5	24
2	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.	2.7	34
3	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.	1.0	2
4	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.	1.3	0
5	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.	1.0	16
6	Salt Stress Alleviation in Triticum aestivum Through Primary and Secondary Metabolites Modulation by Aspergillus terreus BTK-1. Frontiers in Plant Science, 2022, 13, 779623.	1.7	9
7	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.	1.2	3
8	Porostereum spadiceum-AGH786 Regulates the Growth and Metabolites Production in Triticum aestivum L. Under Salt Stress. Current Microbiology, 2022, 79, 159.	1.0	12
9	Pragmatic role of microbial plant biostimulants in abiotic stress relief in crop plants. Journal of Plant Interactions, 2022, 17, 705-718.	1.0	50
10	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.	4.2	38
11	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.	1.0	19
12	Novel Bacillus cereus Strain, ALT1, Enhance Growth and Strengthens the Antioxidant System of Soybean under Cadmium Stress. Agronomy, 2021, 11, 404.	1.3	22
13	Silicon and Plant Growth-Promoting Rhizobacteria Pseudomonas psychrotolerans CS51 Mitigates Salt Stress in Zea mays L Agriculture (Switzerland), 2021, 11, 272.	1.4	30
14	Halotolerant bacteria mitigate the effects of salinity stress on soybean growth by regulating secondary metabolites and molecular responses. BMC Plant Biology, 2021, 21, 176.	1.6	76
15	Phosphate-Solubilizing EnterobacterÂludwigii AFFR02 and Bacillus megaterium Mj1212 Rescues Alfalfa's Growth under Post-Drought Stress. Agriculture (Switzerland), 2021, 11, 485.	1.4	19
16	Aspergillus foetidus Regulated the Biochemical Characteristics of Soybean and Sunflower under Heat Stress Condition: Role in Sustainability. Sustainability, 2021, 13, 7159.	1.6	8
17	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.	1.7	38
18	Postharvest Drying Techniques Regulate Secondary Metabolites and Anti-Neuroinflammatory Activities of Ganoderma lucidum. Molecules, 2021, 26, 4484.	1.7	5

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19	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.	2.0	13
20	Physicochemical Properties and Antioxidant Potential of Tateishi Kazu Vegetable Soup. Journal of Food Quality, 2021, 2021, 1-10.	1.4	0
21	Taxonomic investigation of selected rust fungi using scanning electron microscopy from Khyber Pakhtunkhwa, Pakistan. Microscopy Research and Technique, 2021, , .	1.2	1
22	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.	1.7	15
23	Phytohormones Producing Acinetobacter bouvetii P1 Mitigates Chromate Stress in Sunflower by Provoking Host Antioxidant Response. Antioxidants, 2021, 10, 1868.	2.2	16
24	Investigation of Root Morphological Traits Using 2D-Imaging among Diverse Soybeans (Glycine max L.). Plants, 2021, 10, 2535.	1.6	3
25	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.	2.9	21
26	<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.	1.0	28
27	Phytohormones producing rhizobacterium alleviates chromium toxicity in Helianthus annuus L. by reducing chromate uptake and strengthening antioxidant system. Chemosphere, 2020, 258, 127386.	4.2	62
28	Yucasin and cinnamic acid inhibit IAA and flavonoids biosynthesis minimizing interaction between maize and endophyte Aspergillus nomius. Symbiosis, 2020, 81, 149-160.	1.2	14
29	Occurrence of heavy metals and pesticide residues in tomato crop: a threat to public health. Arabian Journal of Geosciences, 2020, 13, 1.	0.6	14
30	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.	1.7	52
31	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.	0.9	32
32	Kohl: A Widely used eye Cosmetic with Hazardous Biochemical Composition Biosciences, Biotechnology Research Asia, 2020, 17, 621-628.	0.2	2
33	Novel antimicrobial and antioxidative activity by endophytic Penicillium roqueforti and Trichoderma reesei isolated from Solanum surattense. Acta Physiologiae Plantarum, 2019, 41, 1.	1.0	21
34	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.	1.0	82
35	Salt stress alleviation in Pennisetum glaucum through secondary metabolites modulation by Aspergillus terreus. Plant Physiology and Biochemistry, 2019, 144, 127-134.	2.8	40
36	Metabolic and proteomic alteration in phytohormone-producing endophytic Bacillus amyloliquefaciens RWL-1 during methanol utilization. Metabolomics, 2019, 15, 16.	1.4	28

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37	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.	1.9	25
38	<i>Aspergillus flavus</i> Promoted the Growth of Soybean and Sunflower Seedlings at Elevated Temperature. BioMed Research International, 2019, 2019, 1-13.	0.9	33
39	Cochliobolus sp. acts as a biochemical modulator to alleviate salinity stress in okra plants. Plant Physiology and Biochemistry, 2019, 139, 459-469.	2.8	34
40	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.	1.0	14
41	Sequence variability of HCV 3a isolates based on core gene in patients from Lahore, Pakistan. Future Virology, 2019, 14, 641-653.	0.9	3
42	Trichoderma reesei improved the nutrition status of wheat crop under salt stress. Journal of Plant Interactions, 2019, 14, 590-602.	1.0	46
43	In vitro production of IAA by endophytic fungus Aspergillus awamori and its growth promoting activities in Zea mays. Symbiosis, 2019, 77, 225-235.	1.2	92
44	Intelligent hepatitis diagnosis using adaptive neuro-fuzzy inference system and information gain method. Soft Computing, 2019, 23, 10931-10938.	2.1	7
45	QRREM method for the isolation of high-quality RNA from the complex matrices of coconut. Bioscience Reports, 2019, 39, .	1.1	8
46	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.	1.3	73
47	Cinnamic acid as an inhibitor of growth, flavonoids exudation and endophytic fungus colonization in maize root. Plant Physiology and Biochemistry, 2019, 135, 61-68.	2.8	36
48	Silicon Confers Soybean Resistance to Salinity Stress Through Regulation of Reactive Oxygen and Reactive Nitrogen Species. Frontiers in Plant Science, 2019, 10, 1725.	1.7	55
49	A promising growth promoting <i>Meyerozyma caribbica</i> from <i>Solanum xanthocarpum</i> alleviated stress in maize plants. Bioscience Reports, 2019, 39, .	1.1	22
50	Exogenous application of nitric oxide donors regulates short-term flooding stress in soybean. PeerJ, 2019, 7, e7741.	0.9	20
51	Heavy Metal Analysis of Locally Available Anticancer Medicinal Plants. Biosciences, Biotechnology Research Asia, 2019, 16, 105-111.	0.2	1
52	<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.	1.0	75
53	Plant growth promoting endophytic fungi Asprgillus fumigatus TS1 and Fusarium proliferatum BRL1 produce gibberellins and regulates plant endogenous hormones. Symbiosis, 2018, 76, 117-127.	1.2	165
54	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.	1.0	23

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55	Endophytic Fungus <i> Aspergillus japonicus</i> Mediates Host Plant Growth under Normal and Heat Stress Conditions. BioMed Research International, 2018, 2018, 1-11.	0.9	53
56	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.	1.1	132
57	In Vitro Antidiabetic Effects and Antioxidant Potential of <i>Cassia nemophila</i> Pods. BioMed Research International, 2018, 2018, 1-6.	0.9	36
58	Biochar amendment changes jasmonic acid levels in two rice varieties and alters their resistance to herbivory. PLoS ONE, 2018, 13, e0191296.	1.1	32
59	Bioremediation of hexavalent chromium by endophytic fungi; safe and improved production of Lactuca sativa L. Chemosphere, 2018, 211, 653-663.	4.2	68
60	Anthracene biodegradation capacity of newly isolated rhizospheric bacteria Bacillus cereus S13. PLoS ONE, 2018, 13, e0201620.	1.1	27
61	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.	2.8	84
62	Gibberellin application ameliorates the adverse impact of short-term flooding on Glycine max L Biochemical Journal, 2018, 475, 2893-2905.	1.7	21
63	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.	1.0	90
64	Enzyme inhibitory metabolites from endophytic Penicillium citrinum isolated from Boswellia sacra. Archives of Microbiology, 2017, 199, 691-700.	1.0	21
65	Inoculation of abscisic acid-producing endophytic bacteria enhances salinity stress tolerance in Oryza sativa. Environmental and Experimental Botany, 2017, 136, 68-77.	2.0	266
66	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.	1.3	29
67	Host plant growth promotion and cadmium detoxification in Solanum nigrum, mediated by endophytic fungi. Ecotoxicology and Environmental Safety, 2017, 136, 180-188.	2.9	95
68	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.	0.8	20
69	Ecological assessment of water quality in the Kabul River, Pakistan, using statistical methods. Oceanological and Hydrobiological Studies, 2017, 46, 140-153.	0.3	13
70	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.	0.2	1
71	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.	1.0	48
72	Plant growth-promoting endophyte Sphingomonas sp. LK11 alleviates salinity stress in Solanum pimpinellifolium. Environmental and Experimental Botany, 2017, 133, 58-69.	2.0	131

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73	<i>Bacillus amyloliquefaciens</i> BSL16 improves phytoremediation potential of <i>Solanum lycopersicum</i> during copper stress. Journal of Plant Interactions, 2017, 12, 550-559.	1.0	27
74	Effect of Methanolic Extract of Dandelion Roots on Cancer Cell Lines and AMP-Activated Protein Kinase Pathway. Frontiers in Pharmacology, 2017, 8, 875.	1.6	26
75	The Complete Chloroplast Genome of Wild Rice (Oryza minuta) and Its Comparison to Related Species. Frontiers in Plant Science, 2017, 8, 304.	1.7	115
76	Gibberellins Producing Endophytic Fungus Porostereum spadiceum AGH786 Rescues Growth of Salt Affected Soybean. Frontiers in Microbiology, 2017, 8, 686.	1.5	165
77	Genomic DNA Extraction for Molecular Identification of Endophytic Fungi: An Easy and Efficient Protocol. Biosciences, Biotechnology Research Asia, 2017, 14, 667-671.	0.2	6
78	Biochemical Constituents and in Vitro Antioxidant and Anticholinesterase Potential of Seeds from Native Korean Persimmon Genotypes. Molecules, 2016, 21, 893.	1.7	24
79	Endophytic Fungi from Frankincense Tree Improves Host Growth and Produces Extracellular Enzymes and Indole Acetic Acid. PLoS ONE, 2016, 11, e0158207.	1.1	124
80	Complete Chloroplast Genome of Nicotiana otophora and its Comparison with Related Species. Frontiers in Plant Science, 2016, 7, 843.	1.7	108
81	Allergens of <i>Arachis hypogaea</i> and the effect of processing on their detection by ELISA. Food and Nutrition Research, 2016, 60, 28945.	1.2	21
82	Seed-borne endophytic Bacillus amyloliquefaciens RWL-1 produces gibberellins and regulates endogenous phytohormones of Oryza sativa. Plant Physiology and Biochemistry, 2016, 106, 236-243.	2.8	219
83	Plants as Antileishmanial Agents: Current Scenario. Phytotherapy Research, 2016, 30, 1905-1925.	2.8	49
84	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.	2.8	25
85	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.	1.3	72
86	Comparative analysis of endogenous hormones level in two soybean (Glycine max L.) lines differing in waterlogging tolerance. Frontiers in Plant Science, 2015, 6, 714.	1.7	107
87	Kinetin modulates physio-hormonal attributes and isoflavone contents of Soybean grown under salinity stress. Frontiers in Plant Science, 2015, 6, 377.	1.7	60
88	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.	1.0	144
89	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.	0.8	75
90	Gibberellin-producing Serratia nematodiphila PEJ1011 ameliorates low temperature stress in Capsicum annuum L European Journal of Soil Biology, 2015, 68, 85-93.	1.4	98

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91	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.	1.0	113
92	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.	6.5	83
93	Foliar application of methyl jasmonate induced physio-hormonal changes in Pisum sativum under diverse temperature regimes. Plant Physiology and Biochemistry, 2015, 96, 406-416.	2.8	49
94	An Insecticidal Compound Produced by an Insect-Pathogenic Bacterium Suppresses Host Defenses through Phenoloxidase Inhibition. Molecules, 2014, 19, 20913-20928.	1.7	32
95	Bioactive chemical constituents produced by endophytes and effects on rice plant growth. Journal of Plant Interactions, 2014, 9, 478-487.	1.0	81
96	Effects of plant-derived smoke on the growth dynamics of Barnyard Grass ( <i>Echinochloa) Tj ETQq0 0 0 rgBT /O</i>	verlogck 10	Tf 50 542 T
97	Genotyping of HCV RNA Reveals That 3a Is the Most Prevalent Genotype in Mardan, Pakistan. Advances in Virology, 2014, 2014, 1-5.	0.5	19
98	Fungal endophyte Penicillium janthinellum LK5 can reduce cadmium toxicity in Solanum lycopersicum (Sitiens and Rhe). Biology and Fertility of Soils, 2014, 50, 75-85.	2.3	57
99	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.	1.0	345
100	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.	2.3	86
101	Bacterial endophyte Sphingomonas sp. LK11 produces gibberellins and IAA and promotes tomato plant growth. Journal of Microbiology, 2014, 52, 689-695.	1.3	377
102	Phytostabilization and Physicochemical Responses of Korean Ecotype Solanum nigrum L. to Cadmium Contamination. Water, Air, and Soil Pollution, 2014, 225, 1.	1.1	42
103	Evaluation of Humic Acid Application Methods for Yield and Yield Components of Mungbean. American Journal of Plant Sciences, 2014, 05, 2269-2276.	0.3	18
104	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.	4.6	413
105	EndophyticCephalotheca sulfureaAGH07 reprograms soybean to higher growth. Journal of Plant Interactions, 2012, 7, 301-306.	1.0	11
106	Endophytic Fungi Produce Gibberellins and Indoleacetic Acid and Promotes Host-Plant Growth during Stress. Molecules, 2012, 17, 10754-10773.	1.7	453
107	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.	1.3	287
108	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.	1.8	164

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109	Exogenous Gibberellic Acid Reprograms Soybean to Higher Growth and Salt Stress Tolerance. Journal of Agricultural and Food Chemistry, 2010, 58, 7226-7232.	2.4	147
110	Growth promotion of cucumber by pure cultures of gibberellin-producing Phoma sp. GAH7. World Journal of Microbiology and Biotechnology, 2010, 26, 889-894.	1.7	37
111	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.	0.3	3
112	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.	0.8	118
113	Cladosporium sphaerospermum as a new plant growth-promoting endophyte from the roots of Clycine max (L.) Merr World Journal of Microbiology and Biotechnology, 2009, 25, 627-632.	1.7	124
114	Methyl jasmonate alleviated salinity stress in soybean. Journal of Crop Science and Biotechnology, 2009, 12, 63-68.	0.7	220
115	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.	1.1	22
116	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.	0.8	28
117	Endophytic aspergillus oryzae reprograms Abelmoschus esculentus L. to higher growth under salt stress via regulation of physiochemical attributes and antioxidant system. , 0, , 1.		5