

# Muhammad Hamayun

## List of Publications by Year in descending order

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72  
papers

3,924  
citations

126907

33  
h-index

128289

60  
g-index

73  
all docs

73  
docs citations

73  
times ranked

3570  
citing authors

#	ARTICLE	IF	CITATIONS
1	Plant growth-promoting rhizobacteria reduce adverse effects of salinity and osmotic stress by regulating phytohormones and antioxidants in <i>Cucumis sativus</i> . <i>Journal of Plant Interactions</i> , 2014, 9, 673-682.	2.1	345
2	Endophytic fungal association via gibberellins and indole acetic acid can improve plant growth under abiotic stress: an example of <i>Paecilomyces formosus</i> LHL10. <i>BMC Microbiology</i> , 2012, 12, 3.	3.3	287
3	Methyl jasmonate alleviated salinity stress in soybean. <i>Journal of Crop Science and Biotechnology</i> , 2009, 12, 63-68.	1.5	220
4	Plant growth promoting endophytic fungi <i>Aspergillus fumigatus</i> TS1 and <i>Fusarium proliferatum</i> BRL1 produce gibberellins and regulates plant endogenous hormones. <i>Symbiosis</i> , 2018, 76, 117-127.	2.3	165
5	Ameliorative symbiosis of endophyte ( <i>Penicillium funiculosum</i> LHL06) under salt stress elevated plant growth of <i>Glycine max</i> L.. <i>Plant Physiology and Biochemistry</i> , 2011, 49, 852-861.	5.8	155
6	Exogenous Gibberellic Acid Reprograms Soybean to Higher Growth and Salt Stress Tolerance. <i>Journal of Agricultural and Food Chemistry</i> , 2010, 58, 7226-7232.	5.2	147
7	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> . <i>Journal of Plant Interactions</i> , 2015, 10, 280-287.	2.1	144
8	IAA producing fungal endophyte <i>Penicillium roqueforti</i> Thom., enhances stress tolerance and nutrients uptake in wheat plants grown on heavy metal contaminated soils. <i>PLoS ONE</i> , 2018, 13, e0208150.	2.5	132
9	Gibberellin production and plant growth promotion from pure cultures of <i>Cladosporium</i> sp. MH-6 isolated from cucumber ( <i>Cucumis sativus</i> L.). <i>Mycologia</i> , 2010, 102, 989-995.	1.9	118
10	Pure culture of <i>Metarhizium anisopliae</i> LHL07 reprograms soybean to higher growth and mitigates salt stress. <i>World Journal of Microbiology and Biotechnology</i> , 2012, 28, 1483-1494.	3.6	116
11	Gibberellin-producing <i>Serratia nematodiphila</i> PEJ1011 ameliorates low temperature stress in <i>Capsicum annum</i> L.. <i>European Journal of Soil Biology</i> , 2015, 68, 85-93.	3.2	98
12	In vitro production of IAA by endophytic fungus <i>Aspergillus awamori</i> and its growth promoting activities in <i>Zea mays</i> . <i>Symbiosis</i> , 2019, 77, 225-235.	2.3	92
13	Gibberellin-producing <i>Promicromonospora</i> sp. SE188 improves <i>Solanum lycopersicum</i> plant growth and influences endogenous plant hormones. <i>Journal of Microbiology</i> , 2012, 50, 902-909.	2.8	87
14	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.	5.8	84
15	Phytohormones enabled endophytic fungal symbiosis improve aluminum phytoextraction in tolerant <i>Solanum lycopersicum</i> : An examples of <i>Penicillium janthinellum</i> LK5 and comparison with exogenous GA3. <i>Journal of Hazardous Materials</i> , 2015, 295, 70-78.	12.4	83
16	Role of AMP-Activated Protein Kinase in Cancer Therapy. <i>Archiv Der Pharmazie</i> , 2014, 347, 457-468.	4.1	80
17	Endophytic infection alleviates biotic stress in sunflower through regulation of defence hormones, antioxidants and functional amino acids. <i>European Journal of Plant Pathology</i> , 2015, 141, 803-824.	1.7	75
18	Bioremediation of hexavalent chromium by endophytic fungi; safe and improved production of <i>Lactuca sativa</i> L. <i>Chemosphere</i> , 2018, 211, 653-663.	8.2	68

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19	Fungal endophyte <i>Penicillium janthinellum</i> LK5 improves growth of ABA-deficient tomato under salinity. <i>World Journal of Microbiology and Biotechnology</i> , 2013, 29, 2133-2144.	3.6	65
20	Isolation of a Gibberellin-producing fungus ( <i>Penicillium</i> sp. MH7) and Growth Promotion of Crown Daisy ( <i>Chrysanthemum coronarium</i> ). <i>Journal of Microbiology and Biotechnology</i> , 2010, 20, 202-207.	2.1	63
21	<i>Exophiala</i> sp. LHLO8 reprograms <i>Cucumis sativus</i> to higher growth under abiotic stresses. <i>Physiologia Plantarum</i> , 2011, 143, 329-343.	5.2	62
22	Kinetin modulates physio-hormonal attributes and isoflavone contents of Soybean grown under salinity stress. <i>Frontiers in Plant Science</i> , 2015, 6, 377.	3.6	60
23	Co-synergism of endophyte <i>Penicillium resedanum</i> LK6 with salicylic acid helped <i>Capsicum annuum</i> biomass recovery and osmotic stress mitigation. <i>BMC Microbiology</i> , 2013, 13, 51.	3.3	58
24	Gibberellin production and plant growth promotion by a newly isolated strain of <i>Gliomastix murorum</i> . <i>World Journal of Microbiology and Biotechnology</i> , 2009, 25, 829-833.	3.6	56
25	Gibberellin production by pure cultures of a new strain of <i>Aspergillus fumigatus</i> . <i>World Journal of Microbiology and Biotechnology</i> , 2009, 25, 1785-1792.	3.6	55
26	Endophytic Fungus <i>Aspergillus japonicus</i> Mediates Host Plant Growth under Normal and Heat Stress Conditions. <i>BioMed Research International</i> , 2018, 2018, 1-11.	1.9	53
27	Degradation of 4-aminophenol by newly isolated <i>Pseudomonas</i> sp. strain ST-4. <i>Enzyme and Microbial Technology</i> , 2006, 38, 10-13.	3.2	51
28	Influence of Short-Term Silicon Application on Endogenous Physiohormonal Levels of <i>Oryza sativa</i> L. Under Wounding Stress. <i>Biological Trace Element Research</i> , 2011, 144, 1175-1185.	3.5	49
29	Foliar application of methyl jasmonate induced physio-hormonal changes in <i>Pisum sativum</i> under diverse temperature regimes. <i>Plant Physiology and Biochemistry</i> , 2015, 96, 406-416.	5.8	49
30	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.	2.3	47
31	<i>Chryso sporium pseudomerdarium</i> produces gibberellins and promotes plant growth. <i>Journal of Microbiology</i> , 2009, 47, 425-430.	2.8	45
32	<i>Exophiala</i> sp. LHLO8 association gives heat stress tolerance by avoiding oxidative damage to cucumber plants. <i>Biology and Fertility of Soils</i> , 2012, 48, 519-529.	4.3	45
33	Growth promotion of cucumber by pure cultures of gibberellin-producing <i>Phoma</i> sp. GAH7. <i>World Journal of Microbiology and Biotechnology</i> , 2010, 26, 889-894.	3.6	37
34	In Vitro Antidiabetic Effects and Antioxidant Potential of <i>Cassia nemophila</i> Pods. <i>BioMed Research International</i> , 2018, 2018, 1-6.	1.9	36
35	Cinnamic acid as an inhibitor of growth, flavonoids exudation and endophytic fungus colonization in maize root. <i>Plant Physiology and Biochemistry</i> , 2019, 135, 61-68.	5.8	36
36	The Newly Isolated Endophytic Fungus <i>Paraconiothyrium</i> sp. LK1 Produces Ascotoxin. <i>Molecules</i> , 2012, 17, 1103-1112.	3.8	35

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37	Mutualistic association of <i>Paecilomyces formosus</i> LHL10 offers thermotolerance to <i>Cucumis sativus</i> . <i>Antonie Van Leeuwenhoek</i> , 2012, 101, 267-279.	1.7	35
38	<i>Aspergillus flavus</i> Promoted the Growth of Soybean and Sunflower Seedlings at Elevated Temperature. <i>BioMed Research International</i> , 2019, 2019, 1-13.	1.9	33
39	Biochar amendment changes jasmonic acid levels in two rice varieties and alters their resistance to herbivory. <i>PLoS ONE</i> , 2018, 13, e0191296.	2.5	32
40	IAA Producing Endopytic Fungus <i>Fusarium oxysporum</i> wlv Colonize Maize Roots and Promoted Maize Growth Under Hydroponic Condition. <i>European Journal of Experimental Biology</i> , 2018, 08, .	0.3	27
41	Anthracene biodegradation capacity of newly isolated rhizospheric bacteria <i>Bacillus cereus</i> S13. <i>PLoS ONE</i> , 2018, 13, e0201620.	2.5	27
42	Effects of Prohexadione Calcium on growth and gibberellins contents of <i>Chrysanthemum morifolium</i> R. cv Monalisa White. <i>Scientia Horticulturae</i> , 2010, 123, 423-427.	3.6	25
43	Salvaging effect of triacontanol on plant growth, thermotolerance, macro-nutrient content, amino acid concentration and modulation of defense hormonal levels under heat stress. <i>Plant Physiology and Biochemistry</i> , 2016, 99, 118-125.	5.8	25
44	IAA and flavonoids modulates the association between maize roots and phytostimulant endophytic <i>Aspergillus fumigatus</i> greenish. <i>Journal of Plant Interactions</i> , 2018, 13, 532-542.	2.1	23
45	Effect of elevated nitrogen levels on endogenous gibberellin and jasmonic acid contents of three rice ( <i>Oryza sativa</i> L.) cultivars. <i>Journal of Plant Nutrition and Soil Science</i> , 2008, 171, 181-186.	1.9	22
46	Influence of prohexadione-calcium on growth and gibberellins content of Chinese cabbage grown in alpine region of South Korea. <i>Scientia Horticulturae</i> , 2010, 125, 88-92.	3.6	22
47	The Antecedents of Willingness to Adopt and Pay for the IoT in the Agricultural Industry: An Application of the UTAUT 2 Theory. <i>Sustainability</i> , 2022, 14, 6640.	3.2	22
48	Allergens of <i>Arachis hypogaea</i> and the effect of processing on their detection by ELISA. <i>Food and Nutrition Research</i> , 2016, 60, 28945.	2.6	21
49	Enzyme inhibitory metabolites from endophytic <i>Penicillium citrinum</i> isolated from <i>Boswellia sacra</i> . <i>Archives of Microbiology</i> , 2017, 199, 691-700.	2.2	21
50	Gibberellin application ameliorates the adverse impact of short-term flooding on <i>Glycine max</i> L.. <i>Biochemical Journal</i> , 2018, 475, 2893-2905.	3.7	21
51	Identification of oral cavity biofilm forming bacteria and determination of their growth inhibition by <i>Acacia arabica</i> , <i>Tamarix aphylla</i> L. and <i>Melia azedarach</i> L. medicinal plants. <i>Archives of Oral Biology</i> , 2017, 81, 175-185.	1.8	20
52	Traditional Knowledge and ex situ Conservation of Some Threatened Medicinal Plants of Swat Kohistan, Pakistan. <i>International Journal of Botany</i> , 2006, 2, 205-209.	0.2	20
53	Studies on Traditional Knowledge of Medicinal Herbs of Swat Kohistan, District Swat, Pakistan. <i>Journal of Herbs, Spices and Medicinal Plants</i> , 2006, 12, 11-28.	1.1	18
54	Ethnopharmacology, indigenous collection and preservation techniques of some frequently used medicinal plants of Utror and Gabral, district Swat, Pakistan. <i>Tropical Journal of Obstetrics and Gynaecology</i> , 2006, 3, .	0.3	18

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55	Allelochemical, Eudesmane-Type Sesquiterpenoids from <i>Inula falconeri</i> . <i>Molecules</i> , 2010, 15, 1554-1561.	3.8	13
56	Gibberellin producing <i>Neosartorya</i> sp. CC8 reprograms Chinese cabbage to higher growth. <i>Scientia Horticulturae</i> , 2011, 129, 347-352.	3.6	13
57	Endophytic <i>Cephalotheca sulfurea</i> AGH07 reprograms soybean to higher growth. <i>Journal of Plant Interactions</i> , 2012, 7, 301-306.	2.1	11
58	Silicon foliage spraying improves growth characteristics, morphological traits, and root quality of <i>Panax ginseng</i> C.A.Mey. <i>Industrial Crops and Products</i> , 2020, 156, 112848.	5.2	11
59	Investigating the Acceptance of Electronic Banking in the Rural Areas of Pakistan: An Application of the Unified Model. <i>Business &amp; Economic Review</i> , 2019, 11, 57-88.	0.4	11
60	Female Labor Market Participation and Economic Growth: The Case of Pakistan. <i>Journal of Social Science Studies</i> , 2017, 4, 217.	0.1	8
61	QRREM method for the isolation of high-quality RNA from the complex matrices of coconut. <i>Bioscience Reports</i> , 2019, 39, .	2.4	8
62	Effects of plant-derived smoke on the growth dynamics of Barnyard Grass ( <i>Echinochloa</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 462 To	0.6	6
63	Folk Methodology of Charas (Hashish) Production and Its Marketing at Afridi Tirah, Federally Administered Tribal Areas (FATA), Pakistan. <i>Journal of Industrial Hemp: Production, Processing and Products</i> , 2004, 9, 41-50.	0.1	5
64	Conservation Assessment of Hindu-Kush Mountain Region of Pakistan: A Case Study of Utror and Gabral Valleys, District Swat, Pakistan. <i>Asian Journal of Plant Sciences</i> , 2006, 5, 725-732.	0.4	3
65	Alteration in the gene expression of <i>Clehnia littoralis</i> seedlings exposed to culture filtrate of <i>Penicillium citrinum</i> KACC43900. <i>Journal of Plant Interactions</i> , 2015, 10, 51-58.	2.1	1
66	Complete mitochondrial genome sequence of <i>Aspergillus oryzae</i> RIB 127 and its comparative analysis with related species. <i>Mitochondrial DNA Part B: Resources</i> , 2017, 2, 632-633.	0.4	1
67	Marketing conception in SMEs: a paradigm shift, why SMEs fail to adopt marketing in Hefei, China. <i>International Journal of Business Innovation and Research</i> , 2017, 14, 364.	0.2	1
68	Heavy Metal Analysis of Locally Available Anticancer Medicinal Plants. <i>Biosciences, Biotechnology Research Asia</i> , 2019, 16, 105-111.	0.5	1
69	A Review of Applications of Artificial Intelligence in Gastroenterology. <i>Cureus</i> , 2021, 13, e19235.	0.5	1
70	The impact of internationalization policies on Chinese State-owned Enterprises performance: A case study of Jianhuai Automobile (JAC) in Anhui province of China.. <i>Advances in Social Sciences Research Journal</i> , 2016, 3, .	0.1	0
71	Marketing conception in SMEs: a paradigm shift, why SMEs fail to adopt marketing in Hefei, China. <i>International Journal of Business Innovation and Research</i> , 2017, 14, 364.	0.2	0
72	The Role of Talent Management Practices on Employee Innovative Work Behaviour: Moderating Role Transformational Leadership. <i>International Review of Management and Business Research</i> , 2020, 9, 338-346.	0.1	0