

# Hossein Ali Alikhani

## List of Publications by Year in descending order

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Version: 2024-02-01

64  
papers

2,908  
citations

201674

27  
h-index

175258

52  
g-index

64  
all docs

64  
docs citations

64  
times ranked

2964  
citing authors

#	ARTICLE	IF	CITATIONS
1	Potassium solubilizing bacteria (KSB):: Mechanisms, promotion of plant growth, and future prospects Â– A review. <i>Journal of Soil Science and Plant Nutrition</i> , 2017, 17, 897-911.	3.4	315
2	Wheat ( <i>Triticum aestivum</i> L.) growth enhancement by <i>Azospirillum</i> sp. under drought stress. <i>World Journal of Microbiology and Biotechnology</i> , 2011, 27, 197-205.	3.6	226
3	Biodegradation of Low-Density Polyethylene (LDPE) by Mixed Culture of <i>Lysinibacillus xylanilyticus</i> and <i>Aspergillus niger</i> in Soil. <i>PLoS ONE</i> , 2013, 8, e71720.	2.5	225
4	Indole-3-acetic acid (IAA) production trait, a useful screening to select endophytic and rhizosphere competent bacteria for rice growth promoting agents. <i>MethodsX</i> , 2015, 2, 72-78.	1.6	193
5	Phosphate solubilization activity of rhizobia native to Iranian soils. <i>Plant and Soil</i> , 2006, 287, 35-41.	3.7	149
6	Improvement of growth and yield of maize under water stress by co-inoculating an arbuscular mycorrhizal fungus and a plant growth promoting rhizobacterium together with phosphate fertilizers. <i>Agriculture, Ecosystems and Environment</i> , 2018, 258, 59-70.	5.3	101
7	Bacterial Biosynthesis of 1-Aminocyclopropane-1-Carboxylate (ACC) Deaminase and Indole-3-Acetic Acid (IAA) as Endophytic Preferential Selection Traits by Rice Plant Seedlings. <i>Journal of Plant Growth Regulation</i> , 2014, 33, 654-670.	5.1	88
8	Bacterial biosynthesis of 1-aminocyclopropane-1-carboxylate (ACC) deaminase, a useful trait to elongation and endophytic colonization of the roots of rice under constant flooded conditions. <i>Physiology and Molecular Biology of Plants</i> , 2014, 20, 425-434.	3.1	83
9	Biodegradation pathway and detoxification of the diazo dye Reactive Black 5 by <i>Phanerochaete chrysosporium</i> . <i>Bioresource Technology</i> , 2011, 102, 10359-10362.	9.6	70
10	Root-induced changes of Zn and Pb dynamics in the rhizosphere of sunflower with different plant growth promoting treatments in a heavily contaminated soil. <i>Ecotoxicology and Environmental Safety</i> , 2018, 147, 206-216.	6.0	69
11	Co-inoculation with endophytic and rhizosphere bacteria allows reduced application rates of N-fertilizer for rice plant. <i>Rhizosphere</i> , 2016, 2, 5-12.	3.0	68
12	Effects of two new siderophore-producing rhizobacteria on growth and iron content of maize and canola plants. <i>Journal of Plant Nutrition</i> , 2017, 40, 736-746.	1.9	68
13	Improved growth and salinity tolerance of the halophyte <i>Salicornia</i> sp. by co-inoculation with endophytic and rhizosphere bacteria. <i>Applied Soil Ecology</i> , 2019, 138, 160-170.	4.3	68
14	Effect of rhizospheric and endophytic bacteria with multiple plant growth promoting traits on wheat growth. <i>Environmental Science and Pollution Research</i> , 2019, 26, 19804-19813.	5.3	64
15	Consortium of endophyte and rhizosphere phosphate solubilizing bacteria improves phosphorous use efficiency in wheat cultivars in phosphorus deficient soils. <i>Rhizosphere</i> , 2020, 14, 100196.	3.0	59
16	Rhizosphere and endorhiza of oilseed rape ( <i>Brassica napus</i> L.) plant harbor bacteria with multifaceted beneficial effects. <i>Biological Control</i> , 2016, 94, 11-24.	3.0	57
17	Characterization of rhizosphere and endophytic bacteria from roots of maize ( <i>Zea mays</i> L.) plant irrigated with wastewater with biotechnological potential in agriculture. <i>Biotechnology Reports (Amsterdam, Netherlands)</i> , 2019, 21, e00305.	4.4	53
18	Decolouration of azo dyes by <i>Phanerochaete chrysosporium</i> immobilised into alginate beads. <i>Environmental Science and Pollution Research</i> , 2010, 17, 145-153.	5.3	52

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19	Indole-3-Acetic Acid and 1-Aminocyclopropane-1-Carboxylate Deaminase: Bacterial Traits Required in Rhizosphere, Rhizoplane and/or Endophytic Competence by Beneficial Bacteria. Sustainable Development and Biodiversity, 2015, , 183-258.	1.7	52
20	Vermicompost enriched with phosphate-solubilizing bacteria provides plant with enough phosphorus in a sequential cropping under calcareous soil conditions. Journal of Cleaner Production, 2019, 221, 27-37.	9.3	50
21	Simultaneous production of laccase and decolouration of the diazo dye Reactive Black 5 in a fixed-bed bioreactor. Journal of Hazardous Materials, 2009, 164, 296-300.	12.4	46
22	Evaluation of Gram-positive rhizosphere and endophytic bacteria for biological control of fungal rice ( <i>Oryza sativa</i> L.) pathogens. European Journal of Plant Pathology, 2017, 147, 7-14.	1.7	38
23	Responses of Lentil to Co-Inoculation with Phosphate-Solubilizing Rhizobial Strains and Arbuscular Mycorrhizal Fungi. Journal of Plant Nutrition, 2006, 29, 1509-1522.	1.9	36
24	Geochemical fractions and phytoavailability of Zinc in a contaminated calcareous soil affected by biotic and abiotic amendments. Environmental Geochemistry and Health, 2018, 40, 1221-1235.	3.4	34
25	Improved Phosphorus (P) Uptake and Yield of Rainfed Wheat Fed with P Fertilizer by Drought-Tolerant Phosphate-Solubilizing Fluorescent <i>Pseudomonads</i> Strains: a Field Study in Drylands. Journal of Soil Science and Plant Nutrition, 2020, 20, 2195-2211.	3.4	33
26	Assessment of the joint effect of laccase and cellobiose dehydrogenase on the decolouration of different synthetic dyes. Journal of Hazardous Materials, 2009, 169, 176-181.	12.4	32
27	Improved growth and nutrient acquisition of wheat genotypes in phosphorus deficient soils by plant growth-promoting rhizospheric and endophytic bacteria. Soil Science and Plant Nutrition, 2018, 64, 719-727.	1.9	29
28	Bioremediation of Cadmium-Contaminated Soil through Cultivation of Maize Inoculated with Plant Growth-Promoting Rhizobacteria. Bioremediation Journal, 2012, 16, 204-211.	2.0	28
29	Identification and determination of extracellular phytate-degrading activity in actinomycetes. World Journal of Microbiology and Biotechnology, 2012, 28, 2601-2608.	3.6	28
30	In planta selection of plant growth promoting endophytic bacteria for rice ( <i>Oryza sativa</i> L.). Journal of Soil Science and Plant Nutrition, 2014, , 0-0.	3.4	28
31	The potential contribution of siderophore producing bacteria on growth and Fe ion concentration of sunflower ( <i>Helianthus annuus</i> L.) under water stress. Journal of Plant Nutrition, 2018, 41, 619-626.	1.9	26
32	Indole-3-acetic acid (IAA) producing <i>Pseudomonas</i> isolates inhibit seed germination and $\alpha$ -amylase activity in durum wheat ( <i>Triticum turgidum</i> L.). Spanish Journal of Agricultural Research, 2016, 14, e0802.	0.6	25
33	Effect of different biochars amendment on soil biological indicators in a calcareous soil. Environmental Science and Pollution Research, 2018, 25, 14752-14761.	5.3	23
34	<i>Bacillus</i> species as the most promising bacterial biocontrol agents in rhizosphere and endorhiza of plants grown in rotation with each other. European Journal of Plant Pathology, 2018, 150, 497-506.	1.7	22
35	Bioleaching of heavy metals from sewage sludge, direct action of <i>Acidithiobacillus ferrooxidans</i> or only the impact of pH?. Journal of Material Cycles and Waste Management, 2018, 20, 1179-1187.	3.0	22
36	Vermiwash allows reduced application rates of acaricide azocyclotin for the control of two spotted spider mite, <i>Tetranychus urticae</i> Koch, on bean plant ( <i>Phaseolus vulgaris</i> L.). Ecological Engineering, 2016, 93, 234-241.	3.6	21

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37	In vitro Growth of Wheat ( <i>Triticum aestivum</i> L.) Seedlings, Inoculated with <i>Azospirillum</i> sp., Under Drought Stress. <i>International Journal of Botany</i> , 2009, 5, 244-249.	0.2	21
38	Interaction study of biochar with phosphate-solubilizing bacterium on phosphorus availability in calcareous soil. <i>Archives of Agronomy and Soil Science</i> , 2017, 63, 1572-1581.	2.6	20
39	Periphytic biofilm and rice rhizosphere phosphate-solubilizing bacteria and fungi: A possible use for activating occluded P in periphytic biofilms in paddy fields. <i>Rhizosphere</i> , 2021, 19, 100395.	3.0	20
40	Influence of arbuscular mycorrhizal fungi and an improving growth bacterium on Cd uptake and maize growth in Cd-polluted soils. <i>Spanish Journal of Agricultural Research</i> , 2011, 9, 1213.	0.6	20
41	Suppression of the fungal pathogen <i>Magnaporthe grisea</i> by <i>Stenotrophomonas maltophilia</i> , a seed-borne rice ( <i>Oryza sativa</i> L.) endophytic bacterium. <i>Archives of Agronomy and Soil Science</i> , 2016, 62, 1271-1284.	2.6	19
42	Halotolerant Plant Growth-Promoting Fungi and Bacteria as an Alternative Strategy for Improving Nutrient Availability to Salinity-Stressed Crop Plants. , 2019, , 103-146.		17
43	Study the Effects of Siderophore-Producing Bacteria on Zinc and Phosphorous Nutrition of Canola and Maize Plants. <i>Communications in Soil Science and Plant Analysis</i> , 2016, 47, 1517-1527.	1.4	16
44	Combined use of municipal solid waste biochar and bacterial biosorbent synergistically decreases Cd(II) and Pb(II) concentration in edible tissue of forage maize irrigated with heavy metal "spiked" water. <i>Heliyon</i> , 2020, 6, e04688.	3.2	16
45	Comparison of Compost and Vermicompost of Yard Leaf Manure and Inorganic Fertilizer on Yield of Corn. <i>Communications in Soil Science and Plant Analysis</i> , 2011, 42, 123-131.	1.4	15
46	Colonization and Biodegradation of "Photo-Oxidized Low-Density Polyethylene (LDPE) by New Strains of <i>Aspergillus</i> sp. and <i>Lysinibacillus</i> sp.. <i>Bioremediation Journal</i> , 2014, 18, 213-226.	2.0	15
47	The Use of Coal Gangue as a Cultivation Bed Conditioner in Forage Maize Inoculated with Arbuscular Mycorrhizal Fungi. <i>Communications in Soil Science and Plant Analysis</i> , 2017, 48, 1266-1279.	1.4	15
48	Assessment of phthalic acid esters pollution in Anzali wetland, north of Iran. <i>International Journal of Environmental Science and Technology</i> , 2019, 16, 7025-7036.	3.5	14
49	Enriching Vermicompost Using P-solubilizing and N-fixing Bacteria under Different Temperature Conditions. <i>Communications in Soil Science and Plant Analysis</i> , 2017, 48, 139-147.	1.4	13
50	Interactive effect of nitrogen fertilizer and hydrocarbon pollution on soil biological indicators. <i>Environmental Earth Sciences</i> , 2014, 72, 3513-3519.	2.7	11
51	Root bacterial endophytes as potential biological control agents against fungal rice pathogens. <i>Archives of Phytopathology and Plant Protection</i> , 2019, 52, 560-581.	1.3	11
52	Assessment of the Potential of Indole-3-Acetic Acid Producing Bacteria to manage Chemical Fertilizers Application. <i>International Journal of Environmental Research</i> , 2019, 13, 603-611.	2.3	11
53	Isolated bacteria from saline "sodic soils alter the response of wheat under high adsorbed sodium and salt stress. <i>International Journal of Environmental Science and Technology</i> , 2017, 14, 143-150.	3.5	10
54	Optimal Concentrations of Silicon Enhance the Growth of Soybean ( <i>Glycine Max</i> L.) Cultivars by Improving Nodulation, Root System Architecture, and Soil Biological Properties. <i>Silicon</i> , 2022, 14, 5333-5345.	3.3	10

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55	Biodiversity of Isolated Cyanobacteria from Desert Soils in Iran. <i>Geomicrobiology Journal</i> , 2017, 34, 784-794.	2.0	9
56	Effect of Different Enriched Vermicomposts, Humic Acid Extract and Indole-3-Acetic Acid Amendments on the Growth of <i>Brassica napus</i> . <i>Plants</i> , 2022, 11, 227.	3.5	8
57	Root nodulation of alfalfa by <i>Ensifer meliloti</i> in petroleum contaminated soil. <i>Rhizosphere</i> , 2021, 17, 100305.	3.0	6
58	Presence of <i>Eisenia fetida</i> enhanced phytoremediation of anthracene by <i>Lolium perenne</i> . <i>Bioscience Journal</i> , 0, , 888-898.	0.4	6
59	THE DIVERSITY OF SULFUR-OXIDIZING BACTERIAL POPULATIONS AT AN IRANIAN COPPER MINE AND THE SURROUNDING AGRICULTURAL SOILS. <i>Applied Ecology and Environmental Research</i> , 2016, 14, 509-533.	0.5	6
60	Impact of Poultry Manure Application on Phosphorus Desorption in Some Calcareous Soils. <i>Communications in Soil Science and Plant Analysis</i> , 2011, 42, 208-219.	1.4	5
61	Isolation, Cloning and Sequence Analysis of 1-Aminocyclopropane-1-Carboxylate Deaminase Gene from Native <i>Sinorhizobium meliloti</i> . <i>Iranian Journal of Biotechnology</i> , 2014, 12, 50-56.	0.3	5
62	Indole-3-Acetic Acid and 1-Aminocyclopropane-1-Carboxylate Deaminase-Producing Bacteria Alleviate Sodium Stress and Promote Wheat Growth. <i>Iranian Journal of Science and Technology, Transaction A: Science</i> , 2018, 42, 1037-1048.	1.5	4
63	Performance Evaluation of Phosphate-Solubilizing Fluorescent <i>Pseudomonads</i> in Minimizing Phosphorus Fertilizer Use and Improving Wheat Productivity: a Two-Year Field Study. <i>Journal of Soil Science and Plant Nutrition</i> , 2022, 22, 1224-1237.	3.4	4
64	Presence of <i>Eisenia fetida</i> enhanced phytoremediation of anthracene by <i>Lolium perenne</i> . <i>Bioscience Journal</i> , 0, , 888-898.	0.4	0