

Effects of arbuscular mycorrhizal inoculation and biochar on cadmium uptake and soil cadmium speciation in Cd-contaminated soil

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Soil Matrix Determines the Outcome of Interaction Between Mycorrhizal Symbiosis and Biochar for <i>Andropogon gerardii</i> Growth and Nutrition. <i>Frontiers in Microbiology</i> , 2018, 9, 2862.	1.5	16
2	Effect of Nano Zeolite on the Transformation of Cadmium Speciation and Its Uptake by Tobacco in Cadmium-contaminated Soil. <i>Open Chemistry</i> , 2018, 16, 667-673.	1.0	11
3	Remediation of Cadmium Toxicity on Alfalfa (<i>Medicago sativa</i> L.) Using Biochar as a Bioadsorbent, <i>Rhizobium meliloti</i> and Arbuscular Mycorrhizal Fungi as Biofertilizers. <i>Journal of Bioremediation & Biodegradation</i> , 2018, 09, .	0.5	0
4	An Interdisciplinary Approach to Evaluate the Mobility and Toxicity of Cadmium in a Soil-Plant System. <i>Clean - Soil, Air, Water</i> , 2018, 46, 1800134.	0.7	3
5	Combined effects of ZnO NPs and Cd on sweet sorghum as influenced by an arbuscular mycorrhizal fungus. <i>Chemosphere</i> , 2018, 209, 421-429.	4.2	51
6	Promotion of growth and metal accumulation of alfalfa by coinoculation with <i>Sinorhizobium</i> and <i>Agrobacterium</i> under copper and zinc stress. <i>PeerJ</i> , 2019, 7, e6875.	0.9	44
7	Effect of Nano Fe-oxide and Endophytic Fungus (<i>P. indica</i>) on Petroleum Hydrocarbons Degradation in an Arsenic Contaminated Soil under Barley Cultivation. <i>Journal of Environmental Health Science & Engineering</i> , 2019, 17, 853-861.	1.4	12
8	Mycorrhizal symbiosis: an effective tool for metal bioremediation. , 2019, , 113-128.		7
9	Cadmium accumulation, availability, and rice uptake in soils receiving long-term applications of chemical fertilizers and crop straw return. <i>Environmental Science and Pollution Research</i> , 2019, 26, 31243-31253.	2.7	27
10	Biochar alleviates Cd phytotoxicity by minimizing bioavailability and oxidative stress in pak choi (<i>Brassica chinensis</i> L.) cultivated in Cd-polluted soil. <i>Journal of Environmental Management</i> , 2019, 250, 109500.	3.8	152
11	Chemical- and microbial-enhanced phytoremediation of cadmium-contaminated calcareous soil by maize. <i>Toxicology and Industrial Health</i> , 2019, 35, 378-386.	0.6	11
12	Bioconcentration, Potential Health Risks, and a Receptor Prediction Model of Metal(loid)s in a Particular Agro-Ecological Area. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 1902.	1.3	5
13	Effects of <i>Rhizophagus clarus</i> and biochar on growth, photosynthesis, nutrients, and cadmium (Cd) concentration of maize (<i>Zea mays</i>) grown in Cd-spiked soil. <i>Environmental Science and Pollution Research</i> , 2019, 26, 20689-20700.	2.7	35
14	Biotechnological Tools in the Remediation of Cadmium Toxicity. , 2019, , 497-520.		1
15	Contribution of Arbuscular Mycorrhizal Fungi in Promoting Cadmium Tolerance in Plants. , 2019, , 553-586.		7
16	Metal resistant PGPR lowered Cd uptake and expression of metal transporter genes with improved growth and photosynthetic pigments in <i>Lycopersicon esculentum</i> under metal toxicity. <i>Scientific Reports</i> , 2019, 9, 5855.	1.6	163
17	Combined application of arbuscular mycorrhizal fungi and steel slag improves plant growth and reduces Cd, Pb accumulation in <i>Zea mays</i> . <i>International Journal of Phytoremediation</i> , 2019, 21, 857-865.	1.7	39
18	Effect of 2,4,6-trimercaptotriazine, trisodium salt, nonahydrate on heavy metals bioavailability in soils and accumulation in tobacco. <i>Plant, Soil and Environment</i> , 2019, 65, 9-14.	1.0	2

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19	Effects of arbuscular mycorrhizal fungi, biochar and cadmium on the yield and element uptake of <i>Medicago sativa</i> . <i>Science of the Total Environment</i> , 2019, 655, 1150-1158.	3.9	163
20	Effect of a novel Ca-Si composite mineral on Cd bioavailability, transport and accumulation in paddy soil-rice system. <i>Journal of Environmental Management</i> , 2019, 233, 802-811.	3.8	34
21	Arbuscular mycorrhizal fungi alleviate Cd phytotoxicity by altering Cd subcellular distribution and chemical forms in <i>Zea mays</i> . <i>Ecotoxicology and Environmental Safety</i> , 2019, 171, 352-360.	2.9	113
22	Effects of redox potential on soil cadmium solubility: Insight into microbial community. <i>Journal of Environmental Sciences</i> , 2019, 75, 224-232.	3.2	87
23	Micronutrient transport in mycorrhizal symbiosis; zinc steals the show. <i>Fungal Biology Reviews</i> , 2020, 34, 1-9.	1.9	26
24	Remediation of an oil-contaminated soil by two native plants treated with biochar and mycorrhizae. <i>Journal of Environmental Management</i> , 2020, 254, 109755.	3.8	28
25	Remediation of cadmium-contaminated soil with biochar simultaneously improves biochar's recalcitrance. <i>Environmental Pollution</i> , 2020, 256, 113436.	3.7	47
26	<i>Burkholderia phytofirmans</i> PsJN and tree twigs derived biochar together retrieved Pb-induced growth, physiological and biochemical disturbances by minimizing its uptake and translocation in mung bean (<i>Vigna radiata</i> L.). <i>Journal of Environmental Management</i> , 2020, 257, 109974.	3.8	46
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28	Growth and elemental uptake of <i>Trifolium repens</i> in response to biochar addition, arbuscular mycorrhizal fungi and phosphorus fertilizer applications in low-Cd-polluted soils. <i>Environmental Pollution</i> , 2020, 260, 113761.	3.7	40
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30	Roles of Arbuscular Mycorrhizal Fungi on Plant Growth and Performance: Importance in Biotic and Abiotic Stressed Regulation. <i>Diversity</i> , 2020, 12, 370.	0.7	198
31	Interaction of ZnO nanoparticle and AM fungi mitigates Pb toxicity in wheat by upregulating antioxidants and restricted uptake of Pb. <i>Journal of Biotechnology</i> , 2020, 323, 254-263.	1.9	36
32	Securing of an Industrial Soil Using Turfgrass Assisted by Biostimulants and Compost Amendment. <i>Agronomy</i> , 2020, 10, 1310.	1.3	7
33	The effects of biochar and AM fungi (<i>Funneliformis mosseae</i>) on bioavailability Cd in a highly contaminated acid soil with different soil phosphorus supplies. <i>Environmental Science and Pollution Research</i> , 2020, 27, 44440-44451.	2.7	2
34	Biochar augmentation improves ectomycorrhizal colonisation, plant growth and soil fertility. <i>Soil Research</i> , 2020, 58, 673.	0.6	8
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36	Apricot shell- and apple tree-derived biochar affect the fractionation and bioavailability of Zn and Cd as well as the microbial activity in smelter contaminated soil. <i>Environmental Pollution</i> , 2020, 264, 114773.	3.7	82

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38	Nutrient allocation might affect the cadmium accumulation of Bermuda grass (<i>Cynodon dactylon</i>). <i>Chemosphere</i> , 2020, 252, 126512.	4.2	6
39	Effect of wheat straw derived biochar on immobilization of Cd and Pb in single- and binary-metal contaminated soil. <i>Human and Ecological Risk Assessment (HERA)</i> , 2020, 26, 2420-2433.	1.7	6
40	Sulfur application reduces cadmium uptake in edible parts of pakchoi (<i>Brassica chinensis</i> L.) by cadmium chelation and vacuolar sequestration. <i>Ecotoxicology and Environmental Safety</i> , 2020, 194, 110402.	2.9	20
41	Modification-bioremediation of copper, lead, and cadmium-contaminated soil by combined ryegrass (<i>Lolium multiflorum</i> Lam.) and <i>Pseudomonas aeruginosa</i> treatment. <i>Environmental Science and Pollution Research</i> , 2020, 27, 37668-37676.	2.7	9
42	The endophytic bacterium <i>Sphingomonas SaMR12</i> alleviates Cd stress in oilseed rape through regulation of the GSH-AsA cycle and antioxidative enzymes. <i>BMC Plant Biology</i> , 2020, 20, 63.	1.6	45
43	The effect of arbuscular mycorrhizal fungi and biochar on the growth and Cd/Pb accumulation in <i>Zea mays</i> . <i>International Journal of Phytoremediation</i> , 2020, 22, 1009-1018.	1.7	23
44	Enhancing Cadmium Tolerance and Pea Plant Health through <i>Enterobacter</i> sp. MN17 Inoculation Together with Biochar and Gravel Sand. <i>Plants</i> , 2020, 9, 530.	1.6	38
45	Influences of arbuscular mycorrhizae, phosphorus fertiliser and biochar on alfalfa growth, nutrient status and cadmium uptake. <i>Ecotoxicology and Environmental Safety</i> , 2020, 196, 110537.	2.9	41
46	Combined Application of Arbuscular Mycorrhizal Fungi and Exogenous Melatonin Alleviates Drought Stress and Improves Plant Growth in Tobacco Seedlings. <i>Journal of Plant Growth Regulation</i> , 2021, 40, 1074-1087.	2.8	60
47	Combined effects of arbuscular mycorrhizae fungus and composted pig manure on the growth of ryegrass and uptake of Cd and Zn in the soil from an e-waste recycling site. <i>Environmental Science and Pollution Research</i> , 2021, 28, 12677-12685.	2.7	13
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54	Arbuscular mycorrhizal fungi-induced mitigation of heavy metal phytotoxicity in metal contaminated soils: A critical review. <i>Journal of Hazardous Materials</i> , 2021, 402, 123919.	6.5	266

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63	Slope stability evaluation using neural network optimized by equilibrium optimization and vortex search algorithm. <i>Engineering With Computers</i> , 2022, 38, 1269-1283.	3.5	15
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66	A Growth and Phosphorus Uptake of Soybean (<i>Glycine Max L.</i>) in Response to Arbuscular Mycorrhizal Fungus <i>Rhizophagus Intraradices</i> Inoculation in Heavy Metal-contaminated Soils. <i>Soil and Sediment Contamination</i> , 0, , 1-16.	1.1	7
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71	Adsorption of <i>syn</i> propanethial <i>S</i> oxide on the Zn ₁₂ O ₁₂ cluster: insights from ab-initio modelling. <i>Journal of Sulfur Chemistry</i> , 2021, 42, 308-321.	1.0	1
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73	Synthesis of new phosphorous-containing flame retardant and the properties of flame retardant epoxy resins. <i>Pigment and Resin Technology</i> , 2021, 50, 554-562.	0.5	9
74	Melatonin and Nitrogen Applications Modulate Early Growth and Related Physio-biochemical Attributes in Maize Under Cd Stress. <i>Journal of Soil Science and Plant Nutrition</i> , 2021, 21, 978-990.	1.7	20
75	Design pragmatic method to low-carbon economy visualisation in enterprise systems based on big data. <i>Enterprise Information Systems</i> , 2022, 16, .	3.3	5

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97	An intelligent fuzzy-based hybrid metaheuristic algorithm for analysis the strength, energy and cost optimization of building material in construction management. <i>Engineering With Computers</i> , 0, , 1.	3.5	6
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104	Numerical simulation and application of micro-nano bubble releaser for irrigation. <i>Materials Express</i> , 2021, 11, 1007-1015.	0.2	3
105	The Effect of Biochar-Based Organic Amendments on the Structure of Soil Bacterial Community and Yield of Maize (<i>Zea mays</i> L.). <i>Agronomy</i> , 2021, 11, 1286.	1.3	11
106	Alleviation of heavy metal stress by arbuscular mycorrhizal symbiosis in <i>Glycine max</i> (L.) grown in copper, lead and zinc contaminated soils. <i>Rhizosphere</i> , 2021, 18, 100325.	1.4	42
107	Ionic liquids immobilized on nanomaterials: An efficient strategy in catalytic reactions. <i>Synthetic Communications</i> , 2021, 51, 2265-2286.	1.1	8
108	Etiketlenmiş Organik Atıkların Barbenye Fasulyesi (<i>Phaseolus vulgaris</i> L. var. Pinto) Bitkisinin Gelişimine ve Arbusküler Mikorhizal Funguslar (AMF) ile Etkisi. <i>Türkiye Tarımsal Araştırmalar Dergisi</i> , 0, , .	0.5	0
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114	Combined effects of biochar and chicken manure on maize (<i>Zea mays</i> L.) growth, lead uptake and soil enzyme activities under lead stress. <i>PeerJ</i> , 2021, 9, e11754.	0.9	15
115	Performance of functionalized magnetic nanocatalysts and feedstocks on biodiesel production: A review study. <i>Journal of Cleaner Production</i> , 2021, 305, 127200.	4.6	35
116	Do bagasse biochar and microbial inoculants positively affect barley grain yield and nutrients, and microbial activity?. <i>Journal of Plant Nutrition</i> , 2022, 45, 522-539.	0.9	6
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122	Soil amendments for sustainable agriculture: Microbial organic fertilizers. <i>Soil Use and Management</i> , 2022, 38, 94-120.	2.6	37
123	Rhizobacteria Enhancing Accumulation of Copper in Contaminated-soil by <i>Ricinus communis</i> L. <i>Soil and Sediment Contamination</i> , 0, , 1-16.	1.1	0
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128	Effects of sheep bone biochar on soil quality, maize growth, and fractionation and phytoavailability of Cd and Zn in a mining-contaminated soil. <i>Chemosphere</i> , 2021, 282, 131016.	4.2	36
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