

# Muhammad Azeem

## List of Publications by Year in descending order

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Version: 2024-02-01

40  
papers

1,254  
citations

361413  
20  
h-index

377865  
34  
g-index

40  
all docs

40  
docs citations

40  
times ranked

1115  
citing authors

#	ARTICLE	IF	CITATIONS
1	Characterization of biochar derived from bamboo and its application to modulate the toxic effects of chromium on wheat plant. <i>Biomass Conversion and Biorefinery</i> , 2024, 14, 7643-7658.	4.6	5
2	Soil metaphenomics: a step forward in metagenomics. <i>Archives of Agronomy and Soil Science</i> , 2022, 68, 1645-1663.	2.6	5
3	Zirconium hydroxide nanoparticle encapsulated magnetic biochar composite derived from rice residue: Application for As(III) and As(V) polluted water purification. <i>Journal of Hazardous Materials</i> , 2022, 423, 127081.	12.4	93
4	Removal of potentially toxic elements from contaminated soil and water using bone char compared to plant- and bone-derived biochars: A review. <i>Journal of Hazardous Materials</i> , 2022, 427, 128131.	12.4	31
5	Correlative distribution of DOM and heavy metals in the soils of the Zhangxi watershed in Ningbo city, East of China. <i>Environmental Pollution</i> , 2022, 299, 118811.	7.5	25
6	Soil inorganic carbon sequestration through alkalinity regeneration using biologically induced weathering of rock powder and biochar. <i>Soil Ecology Letters</i> , 2022, 4, 293-306.	4.5	9
7	Hydroxyapatite tailored hierarchical porous biochar composite immobilized Cd(II) and Pb(II) and mitigated their hazardous effects in contaminated water and soil. <i>Journal of Hazardous Materials</i> , 2022, 437, 129330.	12.4	62
8	Removal of lead (Pb+2) from contaminated water using a novel MoO3-biochar composite: Performance and mechanism. <i>Environmental Pollution</i> , 2022, 308, 119693.	7.5	28
9	Tea leaves biochar as a carrier of <i>Bacillus cereus</i> improves the soil function and crop productivity. <i>Applied Soil Ecology</i> , 2021, 157, 103732.	4.3	47
10	Green remediation of toxic metals contaminated mining soil using bacterial consortium and <i>Brassica juncea</i> . <i>Environmental Pollution</i> , 2021, 277, 116789.	7.5	57
11	Bone-derived biochar improved soil quality and reduced Cd and Zn phytoavailability in a multi-metal contaminated mining soil. <i>Environmental Pollution</i> , 2021, 277, 116800.	7.5	66
12	Chitosan crosslinked with polyamine-co-melamine for adsorption of Hg2+: Application in purification of polluted water. <i>International Journal of Biological Macromolecules</i> , 2021, 181, 778-785.	7.5	18
13	Distribution and Influence on the Microbial Ecological Relationship of Antibiotic Resistance Genes in Soil at a Watershed Scale. <i>Sustainability</i> , 2021, 13, 9748.	3.2	6
14	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.	8.2	36
15	Influence of compost and biochar on soil biological properties under turfgrass supplied deficit irrigation. <i>Applied Soil Ecology</i> , 2021, 168, 104134.	4.3	17
16	<i>Streptomyces pactum</i> and <i>Bacillus</i> consortium influenced the bioavailability of toxic metals, soil health, and growth attributes of <i>Symphytum officinale</i> in smelter/mining polluted soil. <i>Environmental Pollution</i> , 2021, 291, 118237.	7.5	17
17	<i>Bacillus subtilis</i> and saponin shifted the availability of heavy metals, health indicators of smelter contaminated soil, and the physiological indicators of <i>Symphytum officinale</i> . <i>Chemosphere</i> , 2021, 285, 131454.	8.2	12
18	Synergistic use of biochar and acidified manure for improving growth of maize in chromium contaminated soil. <i>International Journal of Phytoremediation</i> , 2020, 22, 52-61.	3.1	42

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19	Efficiency of Wheat Straw Biochar in Combination with Compost and Biogas Slurry for Enhancing Nutritional Status and Productivity of Soil and Plant. <i>Plants</i> , 2020, 9, 1516.	3.5	25
20	Remediation of heavy metals polluted environment using Fe-based nanoparticles: Mechanisms, influencing factors, and environmental implications. <i>Environmental Pollution</i> , 2020, 264, 114728.	7.5	105
21	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.	7.5	82
22	Crop types have stronger effects on soil microbial communities and functionalities than biochar or fertilizer during two cycles of legume-cereal rotations of dry land. <i>Science of the Total Environment</i> , 2020, 715, 136958.	8.0	50
23	Plant-Microbes Interactions and Functions in Changing Climate. , 2020, , 397-419.		10
24	Biochar and compost effects on soil microbial communities and nitrogen induced respiration in turfgrass soils. <i>PLoS ONE</i> , 2020, 15, e0242209.	2.5	39
25	Promising Technologies for Cd-Contaminated Soils: Drawbacks and Possibilities. , 2020, , 63-91.		6
26	Phytoremediation of Heavy Metals-Polluted Soil. , 2020, , 213-229.		1
27	Comparative efficiency of wheat straw and sugarcane bagasse biochar reduces the cadmium bioavailability to spinach and enhances the microbial activity in contaminated soil. <i>International Journal of Phytoremediation</i> , 2019, 21, 1098-1103.	3.1	40
28	Effects of Organic and Inorganic Passivators on the Immobilization of Cadmium in Contaminated Soils: A Review. <i>Environmental Engineering Science</i> , 2019, 36, 986-998.	1.6	32
29	Effects of biochar and NPK on soil microbial biomass and enzyme activity during 2 years of application in the arid region. <i>Arabian Journal of Geosciences</i> , 2019, 12, 1.	1.3	24
30	Biochar improves soil quality and N <sub>2</sub> -fixation and reduces net ecosystem CO <sub>2</sub> exchange in a dryland legume-cereal cropping system. <i>Soil and Tillage Research</i> , 2019, 186, 172-182.	5.6	85
31	Response of soil microbial biomass and enzymatic activity to biochar amendment in the organic carbon deficient arid soil: a 2-year field study. <i>Arabian Journal of Geosciences</i> , 2019, 12, 1.	1.3	49
32	Carbon Sequestration in Alkaline Soils. <i>Sustainable Agriculture Reviews</i> , 2019, , 149-167.	1.1	1
33	Correlation between Von Spee's Curve and Vertical Dental Eruptions in Class II Division-2 Malocclusion. <i>Orthodontic Journal of Nepal</i> , 2018, 7, 24-27.	0.1	0
34	Heavy Metal Accumulation in Vegetables and Assessment of their Potential Health Risk. <i>Journal of Environmental Analytical Chemistry</i> , 2018, 05, .	0.3	61
35	Weed control in mungbean ( <i>Vigna radiata</i> L.) through Parthenium water extract in combination with a herbicide. <i>International Journal of Biosciences</i> , 2018, 12, 36-48.	0.1	0
36	Isolation, Characterization of PSB stains from rock phosphate and their potential as Biofertilizer. <i>International Journal of Biosciences</i> , 2017, 10, 72-80.	0.1	3

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37	Microbial phytase activity and their role in organic P mineralization. Archives of Agronomy and Soil Science, 2015, 61, 751-766.	2.6	57
38	Correlation of environmental variables on canker disease development in commercial citrus cultivars of Pakistan. International Journal of Biosciences, 2015, 7, 1-13.	0.1	1
39	Nutrients release pattern during co-composting of poultry litter and different sources of fast food wastes. International Journal of Biosciences, 2014, 5, 105-115.	0.1	3
40	Weeds Biomass as Affected by Tillage Practices and Cropping Systems under a Semiarid Environment. Planta Daninha, 0, 38, .	0.5	4