

Muhammad Sohail S Akram

List of Publications by Year in descending order

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times ranked

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#	ARTICLE	IF	CITATIONS
1	Exogenous Caffeine (1,3,7-Trimethylxanthine) Application Diminishes Cadmium Toxicity by Modulating Physio-Biochemical Attributes and Improving the Growth of Spinach (<i>Spinacia oleracea</i> L.). Sustainability, 2022, 14, 2806.	3.2	9
2	Deciphering distinct root exudation, ionomics, and physio-biochemical attributes of <i>Serratia marcescens</i> CP-13 inoculated differentially Cd tolerant <i>Zea mays</i> cultivars. Environmental Science and Pollution Research, 2022, 29, 71632-71649.	5.3	3
3	Polychlorinated biphenyls (PCBs): Characteristics, toxicity, phytoremediation, and use of transgenic plants for PCBs degradation. , 2021, , 677-687.		4
4	<i>Serratia</i> sp. CP-13 alleviates Cd toxicity by morpho-physio-biochemical improvements, antioxidative potential and diminished Cd uptake in <i>Zea mays</i> L. cultivars differing in Cd tolerance. Ecotoxicology and Environmental Safety, 2021, 208, 111584.	6.0	32
5	Physiological and molecular basis of plants tolerance to linear halogenated hydrocarbons. , 2021, , 591-602.		2
6	Elucidating Cd-mediated distinct rhizospheric and in planta ionic and physio-biochemical responses of two contrasting <i>Zea mays</i> L. cultivars. Physiology and Molecular Biology of Plants, 2021, 27, 297-312.	3.1	12
7	Elucidating distinct oxidative stress management, nutrient acquisition and yield responses of <i>Pisum sativum</i> L. fertigated with diluted and treated wastewater. Agricultural Water Management, 2021, 247, 106720.	5.6	25
8	Antioxidant defense systems in bioremediation of organic pollutants. , 2021, , 505-521.		3
9	Physiological and molecular basis of bioremediation of micropollutants. , 2021, , 447-464.		2
10	Enhanced in vitro Regeneration in Sugarcane (<i>Saccharum officinarum</i> L.) by Use of Alternate High-Low Picloram Doses and Thidiazuron Supplementation. Cytology and Genetics, 2021, 55, 566-575.	0.5	2
11	Peptone-Induced Physio-Biochemical Modulations Reduce Cadmium Toxicity and Accumulation in Spinach (<i>Spinacia oleracea</i> L.). Plants, 2020, 9, 1806.	3.5	12
12	Plant growth-promoting <i>Bacillus</i> sp. strain SDA-4 confers Cd tolerance by physio-biochemical improvements, better nutrient acquisition and diminished Cd uptake in <i>Spinacia oleracea</i> L.. Physiology and Molecular Biology of Plants, 2020, 26, 2417-2433.	3.1	21
13	Enhancement of salt tolerance in maize (<i>Zea mays</i> L.) using locally isolated <i>Bacillus</i> sp. SR-2-1/1. Biologia (Poland), 2020, 75, 1425-1436.	1.5	20
14	DNA Nanobiotechnology and Plant Breeding. , 2020, , 85-100.		1
15	Ecophysiology and Stress Responses of Aquatic Macrophytes Under Metal/Metalloid Toxicity. , 2020, , 485-511.		2
16	The effect of lead pollution on nutrient solution pH and concomitant changes in plant physiology of two contrasting <i>Solanum melongena</i> L. cultivars. Environmental Science and Pollution Research, 2019, 26, 34633-34644.	5.3	4
17	Microbe-Mediated Mitigation of Cadmium Toxicity in Plants. , 2019, , 427-449.		18
18	Phytoremediation of Cadmium-Polluted Water/Sediment by Aquatic Macrophytes: Role of Plant-Induced pH Changes. , 2019, , 495-529.		43

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19	<i>Serratia</i> sp. CP-13 augments the growth of cadmium (Cd)-stressed <i>Linum usitatissimum</i> L. by limited Cd uptake, enhanced nutrient acquisition and antioxidative potential. <i>Journal of Applied Microbiology</i> , 2019, 126, 1708-1721.	3.1	25
20	A highly stable laccase from <i>Bacillus subtilis</i> strain R5: gene cloning and characterization. <i>Bioscience, Biotechnology and Biochemistry</i> , 2019, 83, 436-445.	1.3	7
21	A phytobeneficial strain <i>Planomicrobium</i> sp. MSA-10 triggered oxidative stress responsive mechanisms and regulated the growth of pea plants under induced saline environment. <i>Journal of Applied Microbiology</i> , 2018, 124, 1566-1579.	3.1	44
22	Deciphering the growth, organic acid exudations, and ionic homeostasis of <i>Amaranthus viridis</i> L. and <i>Portulaca oleracea</i> L. under lead chloride stress. <i>Environmental Science and Pollution Research</i> , 2018, 25, 2958-2971.	5.3	29
23	Cadmium spiked soil modulates root organic acids exudation and ionic contents of two differentially Cd tolerant maize (<i>Zea mays</i> L.) cultivars. <i>Ecotoxicology and Environmental Safety</i> , 2017, 141, 216-225.	6.0	103
24	Identification of a novel copper-activated and halide-tolerant laccase in <i>Geobacillus thermopakistanensis</i> . <i>Extremophiles</i> , 2017, 21, 563-571.	2.3	24
25	Plant-Microbe Interactions: Current Perspectives of Mechanisms Behind Symbiotic and Pathogenic Associations. , 2017, , 97-126.		6
26	Exogenous triacontanol-mediated increase in phenolics, proline, activity of nitrate reductase, and shoot k+ confers salt tolerance in maize (<i>Zea mays</i> L.). <i>Revista Brasileira De Botanica</i> , 2017, 40, 1-11.	1.3	32
27	Deciphering <i>Staphylococcus sciuri</i> SAT-17 Mediated Anti-oxidative Defense Mechanisms and Growth Modulations in Salt Stressed Maize (<i>Zea mays</i> L.). <i>Frontiers in Microbiology</i> , 2016, 7, 867.	3.5	79
28	Cadmium-induced rhizospheric pH dynamics modulated nutrient acquisition and physiological attributes of maize (<i>Zea mays</i> L.). <i>Environmental Science and Pollution Research</i> , 2015, 22, 9193-9203.	5.3	44
29	Efficacy of silicon priming and fertigation to modulate seedling's vigor and ion homeostasis of wheat (<i>Triticum aestivum</i> L.) under saline environment. <i>Environmental Science and Pollution Research</i> , 2015, 22, 14367-14371.	5.3	45
30	Biologically treated wastewater fertigation induced growth and yield enhancement effects in <i>Vigna radiata</i> L.. <i>Agricultural Water Management</i> , 2014, 146, 124-130.	5.6	21