## Muhammad Arslan Ashraf

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Silicon Enhances Morpho–Physio–Biochemical Responses in Arsenic Stressed Spinach (Spinacia) Tj ETQq1 1	0.784314 2.8	rgBT /Overlo
2	Effect of Metals or Trace Elements on Wheat Growth and Its Remediation in Contaminated Soil. Journal of Plant Growth Regulation, 2023, 42, 2258-2282.	2.8	21
3	Choline Chloride Mediates Chromium Tolerance in Spinach (Spinacia oleracea L.) by Restricting its Uptake in Relation to Morpho-physio-biochemical Attributes. Journal of Plant Growth Regulation, 2022, 41, 1594-1614.	2.8	32
4	Taurine modulates dynamics of oxidative defense, secondary metabolism, and nutrient relation to mitigate boron and chromium toxicity in Triticum aestivum L. plants. Environmental Science and Pollution Research, 2022, 29, 45527-45548.	2.7	30
5	Taurine regulates ROS metabolism, osmotic adjustment, and nutrient uptake to lessen the effects of alkaline stress on Trifolium alexandrinum L. plants. South African Journal of Botany, 2022, 148, 482-498.	1.2	16
6	Fertigation of calcium nitrate [Ca(NO3)2] confers metal tolerance in two chickpea (Cicer arietinum L.) cultivars. Arabian Journal of Geosciences, 2022, 15, .	0.6	0
7	Effect of different seed priming agents on chromium accumulation, oxidative defense, glyoxalase system and mineral nutrition in canola (Brassica napus L.) cultivars. Environmental Pollution, 2022, 309, 119769.	3.7	15
8	Menadione sodium bisulfite alleviated chromium effects on wheat by regulating oxidative defense, chromium speciation, and ion homeostasis. Environmental Science and Pollution Research, 2021, 28, 36205-36225.	2.7	26
9	Fullerenol regulates oxidative stress and tissue ionic homeostasis in spring wheat to improve net-primary productivity under salt-stress. Ecotoxicology and Environmental Safety, 2021, 211, 111901.	2.9	37
10	Silicon Application Modulates Growth, Physio-Chemicals, and Antioxidants in Wheat ( <i>Triticum) Tj ETQq0 0 0 i</i>	rgBT /Overl 0.7	ock 10 Tf 50 17
11	Effect of Pharmaceutical Effluents on Growth, Oxidative Defense, Secondary Metabolism, and Ion Homeostasis in Carrot. Dose-Response, 2021, 19, 155932582199850.	0.7	2
12	Promotion of Growth and Physiological Characteristics in Water-Stressed Triticum aestivum in Relation to Foliar-Application of Salicylic Acid. Water (Switzerland), 2021, 13, 1316.	1.2	17
13	Menadione sodium bisulphite regulates physiological and biochemical responses to lessen salinity effects on wheat (Triticum aestivum L.). Physiology and Molecular Biology of Plants, 2021, 27, 1135-1152.	1.4	11
14	Alleviation of cadmium stress by silicon nanoparticles during different phenological stages of Ujala wheat variety. Arabian Journal of Geosciences, 2021, 14, 1.	0.6	25
15	Choline Chloride Mediates Salinity Tolerance in Cluster Bean ( <i>Cyamopsis tetragonoloba</i> L.) by Improving Growth, Oxidative Defense, and Secondary Metabolism. Dose-Response, 2021, 19, 155932582110550.	0.7	3
16	Foliar Applied Acetylsalicylic Acid Induced Growth and Key-Biochemical Changes in Chickpea (Cicer) Tj ETQq0 0 (	) rgBT /Ove	erlogk 10 Tf 5
17	Interactive effects of chitosan and cadmium on growth, secondary metabolism, oxidative defense, and element uptake in pea (Pisum sativum L.). Arabian Journal of Geosciences, 2020, 13, 1.	0.6	12

<sup>18</sup>Zinc-lysine Supplementation Mitigates Oxidative Stress in Rapeseed (Brassica napus L) by Preventing<br/>Phytotoxicity of Chromium, When Irrigated with Tannery Wastewater. Plants, 2020, 9, 1145.1.653

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19	Menadione sodium bisulfite neutralizes chromium phytotoxic effects in okra by regulating cytosolutes, lipid peroxidation, antioxidant system and metal uptake. International Journal of Phytoremediation, 2020, 23, 1-11.	1.7	14
20	Role of Ferrous Sulfate (FeSO4) in Resistance to Cadmium Stress in Two Rice (Oryza sativa L.) Genotypes. Biomolecules, 2020, 10, 1693.	1.8	51
21	Foliar applied fullerol differentially improves salt tolerance in wheat through ion compartmentalization, osmotic adjustments and regulation of enzymatic antioxidants. Physiology and Molecular Biology of Plants, 2020, 26, 475-487.	1.4	28
22	Organic chelates decrease phytotoxic effects and enhance chromium uptake by regulating chromium-speciation in castor bean (Ricinus communis L). Science of the Total Environment, 2020, 716, 137061.	3.9	50
23	Major Constraints for Global Rice Production: Changing Climate, Abiotic and Biotic Stresses. , 2020, , 15-45.		7
24	Exogenously applied 5-aminolevulinic acid modulates growth, secondary metabolism and oxidative defense in sunflower under water deficit stress. Physiology and Molecular Biology of Plants, 2020, 26, 489-499.	1.4	25
25	Seed Pre-treatment with Polyhydroxy Fullerene Nanoparticles Confer Salt Tolerance in Wheat Through Upregulation of H2O2 Neutralizing Enzymes and Phosphorus Uptake. Journal of Soil Science and Plant Nutrition, 2019, 19, 734-742.	1.7	46
26	Variations in morphological and physiological traits of wheat regulated by chromium species in long-term tannery effluent irrigated soils. Chemosphere, 2019, 222, 891-903.	4.2	33
27	Exogenous menadione sodium bisulfite mitigates specific ion toxicity and oxidative damage in salinity-stressed okra (Abelmoschus esculentus Moench). Acta Physiologiae Plantarum, 2019, 41, 1.	1.0	13
28	Exogenous Silicon Modulates Growth, Physio-Chemicals and Antioxidants in Barley (Hordeum vulgare) Tj ETQq0 (	) 0 rgBT /C 1.8	)verlock 10 T 24
29	Chemical Priming for Multiple Stress Tolerance. , 2019, , 385-415.		2
30	Glycine betaine counteracts the inhibitory effects of waterlogging on growth, photosynthetic pigments, oxidative defence system, nutrient composition, and fruit quality in tomato. Journal of Horticultural Science and Biotechnology, 2018, 93, 385-391.	0.9	53
31	Phenological application of selenium differentially improves growth, oxidative defense and ion homeostasis in maize under salinity stress. Plant Physiology and Biochemistry, 2018, 123, 268-280.	2.8	94
32	Menadione sodium bisulphite mediated growth, secondary metabolism, nutrient uptake and oxidative defense in okra (Abelmoschus esculentus Moench) under cadmium stress. Journal of Hazardous Materials, 2018, 360, 604-614.	6.5	39
33	Exogenously applied zinc and copper mitigate salinity effect in maize (Zea mays L.) by improving key physiological and biochemical attributes. Environmental Science and Pollution Research, 2018, 25, 23883-23896.	2.7	66
34	Recent Advances in Abiotic Stress Tolerance of Plants Through Chemical Priming: An Overview. , 2018, , 51-79.		31
35	Advances in microbe-assisted reclamation of heavy metal contaminated soils over the last decade: A review. Journal of Environmental Management, 2017, 198, 132-143.	3.8	178
36	Does exogenous application of ascorbic acid modulate growth, photosynthetic pigments and oxidative defense in okra (Abelmoschus esculentus (L.) Moench) under lead stress?. Acta Physiologiae Plantarum, 2017, 39, 1.	1.0	24

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37	Improving Plant Phosphorus (P) Acquisition by Phosphate-Solubilizing Bacteria. , 2017, , 513-556.		14
38	Low C/N ratio raw textile wastewater reduced labile C and enhanced organic-inorganic N and enzymatic activities in a semiarid alkaline soil. Environmental Science and Pollution Research, 2017, 24, 3456-3469.	2.7	8
39	Cadmium-induced Perturbations in Growth, Oxidative Defense System, Catalase Gene Expression and Fruit Quality in Tomato. International Journal of Agriculture and Biology, 2017, 19, 61-68.	0.2	15
40	Heat shock increases oxidative stress to modulate growth and physico-chemical attributes in diverse maize cultivars. International Agrophysics, 2016, 30, 519-531.	0.7	6
41	Organic chelants-mediated enhanced lead (Pb) uptake and accumulation is associated with higher activity of enzymatic antioxidants in spinach (Spinacea oleracea L.). Journal of Hazardous Materials, 2016, 317, 352-361.	6.5	66
42	Growth stage-based modulation in physiological and biochemical attributes of two genetically diverse wheat (Triticum aestivum L.) cultivars grown in salinized hydroponic culture. Environmental Science and Pollution Research, 2016, 23, 6227-6243.	2.7	24
43	Effect of Semiarid Environment on Some Nutritional and Antinutritional Attributes of Calendula (Calendula officinalis). Journal of Chemistry, 2015, 2015, 1-8.	0.9	2
44	Hydrogen peroxide modulates antioxidant system and nutrient relation in maize ( <i>Zea mays</i> L.) under water-deficit conditions. Archives of Agronomy and Soil Science, 2015, 61, 507-523.	1.3	58
45	Exogenous application of silicon at the boot stage decreases accumulation of cadmium in wheat (Triticum aestivum L.) grains. Revista Brasileira De Botanica, 2015, 38, 223-234.	0.5	62
46	Physiological and biochemical markers to optimize sugar mill wastewater for irrigation in maize (Zea) Tj ETQq0	0 0 rgBT /0	Overlock 10 Tf
47	Effect of Salt Stress on Different Growth and Biochemical Attributes in Two Canola ( <i>Brassica) Tj ETQq1 1 0.7</i>	′84314 rg 0.6	BT /Overlock 1
48	Exogenous proline and glycinebetaine mitigate cadmium stress in two genetically different spring wheat (Triticum aestivum L.) cultivars. Revista Brasileira De Botanica, 2014, 37, 399-406.	0.5	52
49	Time-course changes in growth and biochemical indices of mung bean [Vigna radiata (L.) Wilczek] genotypes under salinity. Revista Brasileira De Botanica, 2014, 37, 429-439.	0.5	5
50	Assessment of variation in drought tolerance using some key physiological criteria in potential wheat (Triticum aestivumL.) cultivars of different geographic origins. Archives of Agronomy and Soil Science, 2013, 59, 1503-1516.	1.3	4
51	Response of Maize Seedlings to Cadmium Application after Different Time Intervals. , 2013, 2013, 1-9.		24
52	Salt-induced perturbation in growth, physiological attributes, activities of antioxidant enzymes and organic solutes in mungbean ( <i>Vigna radiata</i> L.) cultivars differing in salinity tolerance. Archives of Agronomy and Soil Science, 2013, 59, 1695-1712.	1.3	9
53	Waterlogging stress in plants: A review. African Journal of Agricultural Research Vol Pp, 2012, 7, .	0.2	49
54	Growth stage-based modulation in antioxidant defense system and proline accumulation in two hexaploid wheat (Triticum aestivum L.) cultivars differing in salinity tolerance. Flora: Morphology,	0.6	51

hexaploid wheat (Triticum aestivum L.) cultivars differing in salinity tolerance. Flora: Morphology, Distribution, Functional Ecology of Plants, 2012, 207, 388-397. 54

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55	Alleviation of waterlogging stress in upland cotton (Gossypium hirsutum L.) by exogenous application of potassium in soil and as a foliar spray. Crop and Pasture Science, 2011, 62, 25.	0.7	101