

# Shah Fahad

## List of Publications by Year in descending order

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339  
papers

17,852  
citations

13865

67  
h-index

25787

108  
g-index

345  
all docs

345  
docs citations

345  
times ranked

12235  
citing authors

#	ARTICLE	IF	CITATIONS
1	Crop Production under Drought and Heat Stress: Plant Responses and Management Options. <i>Frontiers in Plant Science</i> , 2017, 8, 1147.	3.6	1,518
2	Phytohormones and plant responses to salinity stress: a review. <i>Plant Growth Regulation</i> , 2015, 75, 391-404.	3.4	566
3	Phytoremediation of heavy metals assisted by plant growth promoting (PGP) bacteria: A review. <i>Environmental and Experimental Botany</i> , 2015, 117, 28-40.	4.2	563
4	Potential role of phytohormones and plant growth-promoting rhizobacteria in abiotic stresses: consequences for changing environment. <i>Environmental Science and Pollution Research</i> , 2015, 22, 4907-4921.	5.3	459
5	Phytohormones enhanced drought tolerance in plants: a coping strategy. <i>Environmental Science and Pollution Research</i> , 2018, 25, 33103-33118.	5.3	274
6	A combined application of biochar and phosphorus alleviates heat-induced adversities on physiological, agronomical and quality attributes of rice. <i>Plant Physiology and Biochemistry</i> , 2016, 103, 191-198.	5.8	256
7	Nickel; whether toxic or essential for plants and environment - A review. <i>Plant Physiology and Biochemistry</i> , 2018, 132, 641-651.	5.8	202
8	Crop Plant Hormones and Environmental Stress. <i>Sustainable Agriculture Reviews</i> , 2015, , 371-400.	1.1	196
9	Exogenously Applied Plant Growth Regulators Enhance the Morpho-Physiological Growth and Yield of Rice under High Temperature. <i>Frontiers in Plant Science</i> , 2016, 7, 1250.	3.6	193
10	Soil compaction effects on soil health and cropproductivity: an overview. <i>Environmental Science and Pollution Research</i> , 2017, 24, 10056-10067.	5.3	174
11	A biochar application protects rice pollen from high-temperature stress. <i>Plant Physiology and Biochemistry</i> , 2015, 96, 281-287.	5.8	170
12	Rice management interventions to mitigate greenhouse gas emissions: a review. <i>Environmental Science and Pollution Research</i> , 2015, 22, 3342-3360.	5.3	166
13	Drought Tolerance Strategies in Plants: A Mechanistic Approach. <i>Journal of Plant Growth Regulation</i> , 2021, 40, 926-944.	5.1	161
14	Arsenic uptake, accumulation and toxicity in rice plants: Possible remedies for its detoxification: A review. <i>Environmental Science and Pollution Research</i> , 2017, 24, 9142-9158.	5.3	159
15	Biochar improves phosphorus use efficiency of organic-inorganic fertilizers, maize-wheat productivity and soil quality in a low fertility alkaline soil. <i>Field Crops Research</i> , 2017, 214, 25-37.	5.1	153
16	Responses of Rapid Viscoanalyzer Profile and Other Rice Grain Qualities to Exogenously Applied Plant Growth Regulators under High Day and High Night Temperatures. <i>PLoS ONE</i> , 2016, 11, e0159590.	2.5	150
17	Nanosilver: new ageless and versatile biomedical therapeutic scaffold. <i>International Journal of Nanomedicine</i> , 2018, Volume 13, 733-762.	6.7	147
18	Silicon Application Increases Drought Tolerance of Kentucky Bluegrass by Improving Plant Water Relations and Morphophysiological Functions. <i>Scientific World Journal</i> , The, 2014, 2014, 1-10.	2.1	143

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19	Effects of fertilization on crop production and nutrient-supplying capacity under rice-oilseed rape rotation system. <i>Scientific Reports</i> , 2017, 7, 1270.	3.3	143
20	Effects of Nitrogen Supply on Water Stress and Recovery Mechanisms in Kentucky Bluegrass Plants. <i>Frontiers in Plant Science</i> , 2017, 8, 983.	3.6	143
21	Coupling Phosphate-Solubilizing Bacteria with Phosphorus Supplements Improve Maize Phosphorus Acquisition and Growth under Lime Induced Salinity Stress. <i>Plants</i> , 2020, 9, 900.	3.5	143
22	Osmoregulation and antioxidant production in maize under combined cadmium and arsenic stress. <i>Environmental Science and Pollution Research</i> , 2016, 23, 11864-11875.	5.3	141
23	Seed priming with melatonin coping drought stress in rapeseed by regulating reactive oxygen species detoxification: Antioxidant defense system, osmotic adjustment, stomatal traits and chloroplast ultrastructure perseveration. <i>Industrial Crops and Products</i> , 2019, 140, 111597.	5.2	138
24	Copper-induced oxidative stress, initiation of antioxidants and phytoremediation potential of flax ( <i>Linum usitatissimum</i> L.) seedlings grown under the mixing of two different soils of China. <i>Environmental Science and Pollution Research</i> , 2020, 27, 5211-5221.	5.3	138
25	Exogenous melatonin confers drought stress by promoting plant growth, photosynthetic capacity and antioxidant defense system of maize seedlings. <i>PeerJ</i> , 2019, 7, e7793.	2.0	128
26	Silicon mitigates biotic stresses in crop plants: A review. <i>Crop Protection</i> , 2018, 104, 21-34.	2.1	127
27	Quantification the impacts of climate change and crop management on phenology of maize-based cropping system in Punjab, Pakistan. <i>Agricultural and Forest Meteorology</i> , 2017, 247, 42-55.	4.8	126
28	Consequences of high temperature under changing climate optima for rice pollen characteristics-concepts and perspectives. <i>Archives of Agronomy and Soil Science</i> , 2018, 64, 1473-1488.	2.6	126
29	Coping with drought: stress and adaptive mechanisms, and management through cultural and molecular alternatives in cotton as vital constituents for plant stress resilience and fitness. <i>Biological Research</i> , 2018, 51, 47.	3.4	126
30	Drought tolerance improvement in plants: an endophytic bacterial approach. <i>Applied Microbiology and Biotechnology</i> , 2019, 103, 7385-7397.	3.6	119
31	Heat-induced phytohormone changes are associated with disrupted early reproductive development and reduced yield in rice. <i>Scientific Reports</i> , 2016, 6, 34978.	3.3	116
32	Benefits of rice seed priming are offset permanently by prolonged storage and the storage conditions. <i>Scientific Reports</i> , 2015, 5, 8101.	3.3	115
33	Using GIS tools to detect the land use/land cover changes during forty years in Lodhran District of Pakistan. <i>Environmental Science and Pollution Research</i> , 2020, 27, 39676-39692.	5.3	114
34	A critical review of the possible adverse effects of biochar in the soil environment. <i>Science of the Total Environment</i> , 2021, 796, 148756.	8.0	113
35	Maize plant nitrogen uptake dynamics at limited irrigation water and nitrogen. <i>Environmental Science and Pollution Research</i> , 2017, 24, 2549-2557.	5.3	109
36	Effect of paclobutrazol, a potential growth regulator on stalk mechanical strength, lignin accumulation and its relation with lodging resistance of maize. <i>Plant Growth Regulation</i> , 2018, 84, 317-332.	3.4	109

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37	Effect of water management and silicon on germination, growth, phosphorus and arsenic uptake in rice. <i>Ecotoxicology and Environmental Safety</i> , 2017, 144, 11-18.	6.0	107
38	Wheat Phenological Development and Growth Studies As Affected by Drought and Late Season High Temperature Stress under Arid Environment. <i>Frontiers in Plant Science</i> , 2016, 7, 795.	3.6	104
39	Agroforestry: a sustainable environmental practice for carbon sequestration under the climate change scenarios—a review. <i>Environmental Science and Pollution Research</i> , 2017, 24, 11177-11191.	5.3	104
40	Nitrogen fertility and abiotic stresses management in cotton crop: a review. <i>Environmental Science and Pollution Research</i> , 2017, 24, 14551-14566.	5.3	103
41	Assessment of climate extremes in future projections downscaled by multiple statistical downscaling methods over Pakistan. <i>Atmospheric Research</i> , 2019, 222, 114-133.	4.1	103
42	Influence of temperature and solar radiation on grain yield and quality in irrigated rice system. <i>European Journal of Agronomy</i> , 2015, 64, 37-46.	4.1	100
43	Arsenic and heavy metal contaminations in the tube well water of Punjab, Pakistan and risk assessment: A case study. <i>Ecological Engineering</i> , 2016, 95, 90-100.	3.6	96
44	Arsenic in a groundwater environment in Bangladesh: Occurrence and mobilization. <i>Journal of Environmental Management</i> , 2020, 262, 110318.	7.8	96
45	Silicate application increases the photosynthesis and its associated metabolic activities in Kentucky bluegrass under drought stress and post-drought recovery. <i>Environmental Science and Pollution Research</i> , 2016, 23, 17647-17655.	5.3	93
46	Alleviation of chromium toxicity in maize by Fe fortification and chromium tolerant ACC deaminase producing plant growth promoting rhizobacteria. <i>Ecotoxicology and Environmental Safety</i> , 2019, 185, 109706.	6.0	93
47	Morpho-physiological traits, gaseous exchange attributes, and phytoremediation potential of jute ( <i>Corchorus capsularis</i> L.) grown in different concentrations of copper-contaminated soil. <i>Ecotoxicology and Environmental Safety</i> , 2020, 189, 109915.	6.0	93
48	Melatonin-Induced Salinity Tolerance by Ameliorating Osmotic and Oxidative Stress in the Seedlings of Two Tomato ( <i>Solanum lycopersicum</i> L.) Cultivars. <i>Journal of Plant Growth Regulation</i> , 2021, 40, 2236-2248.	5.1	93
49	Sustainable Management with Mycorrhizae and Phosphate Solubilizing Bacteria for Enhanced Phosphorus Uptake in Calcareous Soils. <i>Agriculture (Switzerland)</i> , 2020, 10, 334.	3.1	92
50	Phosphate-Solubilizing Bacteria Nullify the Antagonistic Effect of Soil Calcification on Bioavailability of Phosphorus in Alkaline Soils. <i>Scientific Reports</i> , 2017, 7, 16131.	3.3	90
51	Trends of electronic waste pollution and its impact on the global environment and ecosystem. <i>Environmental Science and Pollution Research</i> , 2019, 26, 16923-16938.	5.3	90
52	Zinc biofortification in rice: leveraging agriculture to moderate hidden hunger in developing countries. <i>Archives of Agronomy and Soil Science</i> , 2018, 64, 147-161.	2.6	89
53	Drought Stress Alleviation by ACC Deaminase Producing <i>Achromobacter xylosoxidans</i> and <i>Enterobacter cloacae</i> , with and without Timber Waste Biochar in Maize. <i>Sustainability</i> , 2020, 12, 6286.	3.2	89
54	Crop management based on multi-split topdressing enhances grain yield and nitrogen use efficiency in irrigated rice in China. <i>Field Crops Research</i> , 2015, 184, 50-57.	5.1	88

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55	Nitrogen nutrition in cotton and control strategies for greenhouse gas emissions: a review. <i>Environmental Science and Pollution Research</i> , 2017, 24, 23471-23487.	5.3	88
56	Fate of Organic and Inorganic Pollutants in Paddy Soils. <i>Soil Biology</i> , 2018, , 197-214.	0.8	87
57	A review of soil carbon dynamics resulting from agricultural practices. <i>Journal of Environmental Management</i> , 2020, 268, 110319.	7.8	87
58	The Effect of Season-Long Temperature Increases on Rice Cultivars Grown in the Central and Southern Regions of China. <i>Frontiers in Plant Science</i> , 2017, 8, 1908.	3.6	84
59	Weed growth and crop yield loss in wheat as influenced by row spacing and weed emergence times. <i>Crop Protection</i> , 2015, 71, 101-108.	2.1	82
60	Future risk assessment by estimating historical heat wave trends with projected heat accumulation using SimCLIM climate model in Pakistan. <i>Atmospheric Research</i> , 2018, 205, 118-133.	4.1	81
61	Foliar calcium spray confers drought stress tolerance in maize via modulation of plant growth, water relations, proline content and hydrogen peroxide activity. <i>Archives of Agronomy and Soil Science</i> , 2018, 64, 116-131.	2.6	79
62	Negative impact of long-term exposure of salinity and drought stress on native <i>Tetraena mandavillei</i> L. <i>Physiologia Plantarum</i> , 2021, 172, 1336-1351.	5.2	78
63	miRNAs: Major modulators for crop growth and development under abiotic stresses. <i>Biotechnology Letters</i> , 2017, 39, 685-700.	2.2	77
64	Deficiency and toxicity of boron: Alterations in growth, oxidative damage and uptake by citrange orange plants. <i>Ecotoxicology and Environmental Safety</i> , 2017, 145, 575-582.	6.0	77
65	Rice Responses and Tolerance to High Temperature. , 2019, , 201-224.		77
66	Application of Single Superphosphate with Humic Acid Improves the Growth, Yield and Phosphorus Uptake of Wheat ( <i>Triticum aestivum</i> L.) in Calcareous Soil. <i>Agronomy</i> , 2020, 10, 1224.	3.0	77
67	Evaluation of Pakistani farmers' willingness to pay for crop insurance using contingent valuation method: The case of Khyber Pakhtunkhwa province. <i>Land Use Policy</i> , 2018, 72, 570-577.	5.6	76
68	Radiation efficiency and nitrogen fertilizer impacts on sunflower crop in contrasting environments of Punjab, Pakistan. <i>Environmental Science and Pollution Research</i> , 2018, 25, 1822-1836.	5.3	75
69	The impact of climate warming and crop management on phenology of sunflower-based cropping systems in Punjab, Pakistan. <i>Agricultural and Forest Meteorology</i> , 2018, 256-257, 270-282.	4.8	71
70	Morpho-physiological and biochemical responses of tolerant and sensitive rapeseed cultivars to drought stress during early seedling growth stage. <i>Acta Physiologiae Plantarum</i> , 2019, 41, 1.	2.1	71
71	Potential role of compost mixed biochar with rhizobacteria in mitigating lead toxicity in spinach. <i>Scientific Reports</i> , 2020, 10, 12159.	3.3	71
72	Malathion induced oxidative stress leads to histopathological and biochemical toxicity in the liver of rohu ( <i>Labeo rohita</i> , Hamilton) at acute concentration. <i>Ecotoxicology and Environmental Safety</i> , 2018, 161, 270-280.	6.0	70

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73	Environmental factors affecting the frequency of road traffic accidents: a case study of sub-urban area of Pakistan. <i>Environmental Science and Pollution Research</i> , 2019, 26, 11674-11685.	5.3	70
74	Silicon-induced postponement of leaf senescence is accompanied by modulation of antioxidative defense and ion homeostasis in mustard ( <i>Brassica juncea</i> ) seedlings exposed to salinity and drought stress. <i>Plant Physiology and Biochemistry</i> , 2020, 157, 47-59.	5.8	70
75	Morpho-physiological traits, biochemical response and phytoextraction potential of short-term copper stress on kenaf ( <i>Hibiscus cannabinus</i> L.) seedlings. <i>PeerJ</i> , 2020, 8, e8321.	2.0	70
76	Nitrogen Fertilizer Management for Enhancing Crop Productivity and Nitrogen Use Efficiency in a Rice-Oilseed Rape Rotation System in China. <i>Frontiers in Plant Science</i> , 2016, 7, 1496.	3.6	69
77	Foliar application of gibberellic acid endorsed phytoextraction of copper and alleviates oxidative stress in jute ( <i>Corchorus capsularis</i> L.) plant grown in highly copper-contaminated soil of China. <i>Environmental Science and Pollution Research</i> , 2020, 27, 37121-37133.	5.3	69
78	Spatiotemporal Variation in Land Use Land Cover in the Response to Local Climate Change Using Multispectral Remote Sensing Data. <i>Land</i> , 2022, 11, 595.	2.9	69
79	Rice grain yield and component responses to near 2°C of warming. <i>Field Crops Research</i> , 2014, 157, 98-110.	5.1	68
80	Optimizing the phosphorus use in cotton by using CSM-CROPGRO-cotton model for semi-arid climate of Vehari-Punjab, Pakistan. <i>Environmental Science and Pollution Research</i> , 2017, 24, 5811-5823.	5.3	67
81	Farmers' perception, awareness and adaptation to climate change: evidence from northwest Vietnam. <i>International Journal of Climate Change Strategies and Management</i> , 2017, 9, 555-576.	2.9	67
82	Multiple biomarkers based appraisal of deltamethrin induced toxicity in silver carp ( <i>Hypophthalmichthys molitrix</i> ). <i>Chemosphere</i> , 2019, 214, 519-533.	8.2	67
83	Application of CSM-CROPGRO-Cotton model for cultivars and optimum planting dates: Evaluation in changing semi-arid climate. <i>Field Crops Research</i> , 2019, 238, 139-152.	5.1	67
84	Melatonin application enhances biochar efficiency for drought tolerance in maize varieties: Modifications in physio-biochemical machinery. <i>Agronomy Journal</i> , 2020, 112, 2826-2847.	1.8	64
85	Heavy metals immobilization and improvement in maize ( <i>Zea mays</i> L.) growth amended with biochar and compost. <i>Scientific Reports</i> , 2021, 11, 18416.	3.3	64
86	Phytohormones Trigger Drought Tolerance in Crop Plants: Outlook and Future Perspectives. <i>Frontiers in Plant Science</i> , 2021, 12, 799318.	3.6	64
87	Simulated CSM-CROPGRO-cotton yield under projected future climate by SimCLIM for southern Punjab, Pakistan. <i>Agricultural Systems</i> , 2018, 167, 213-222.	6.1	63
88	Drought Stress in Grain Legumes: Effects, Tolerance Mechanisms and Management. <i>Agronomy</i> , 2021, 11, 2374.	3.0	63
89	Phytohormones as Growth Regulators During Abiotic Stress Tolerance in Plants. <i>Frontiers in Agronomy</i> , 2022, 4, .	3.3	63
90	Effect of Cadmium-Tolerant Rhizobacteria on Growth Attributes and Chlorophyll Contents of Bitter Gourd under Cadmium Toxicity. <i>Plants</i> , 2020, 9, 1386.	3.5	62

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91	Rice Responses and Tolerance to Metal/Metalloid Toxicity. , 2019, , 299-312.		61
92	Roles of phytohormone changes in the grain yield of rice plants exposed to heat: a review. PeerJ, 2019, 7, e7792.	2.0	59
93	Hormetic effects of zinc on growth and antioxidant defense system of wheat plants. Science of the Total Environment, 2022, 807, 150992.	8.0	59
94	Effects of tire rubber ash and zinc sulfate on crop productivity and cadmium accumulation in five rice cultivars under field conditions. Environmental Science and Pollution Research, 2015, 22, 12424-12434.	5.3	58
95	Evaluation of hemp (Cannabis sativa L.) as an industrial crop: a review. Environmental Science and Pollution Research, 2021, 28, 52832-52843.	5.3	58
96	L-asparaginase as a critical component to combat Acute Lymphoblastic Leukaemia (ALL): A novel approach to target ALL. European Journal of Pharmacology, 2016, 771, 199-210.	3.5	57
97	Regional climate assessment of precipitation and temperature in Southern Punjab (Pakistan) using SimCLIM climate model for different temporal scales. Theoretical and Applied Climatology, 2018, 131, 121-131.	2.8	57
98	&lt;p&gt;Nano-biotechnology: a new approach to treat and prevent malaria&lt;/p&gt;. International Journal of Nanomedicine, 2019, Volume 14, 1401-1410.	6.7	55
99	Heat-Induced Cytokinin Transportation and Degradation Are Associated with Reduced Panicle Cytokinin Expression and Fewer Spikelets per Panicle in Rice. Frontiers in Plant Science, 2017, 8, 371.	3.6	54
100	Zinc nutrition and arbuscular mycorrhizal symbiosis effects on maize (Zea mays L.) growth and productivity. Saudi Journal of Biological Sciences, 2021, 28, 6339-6351.	3.8	54
101	Grain Cadmium and Zinc Concentrations in Maize Influenced by Genotypic Variations and Zinc Fertilization. Clean - Soil, Air, Water, 2015, 43, 1433-1440.	1.1	53
102	Plant Growth Regulators for Climate-Smart Agriculture. , 0, , .		53
103	Alleviation of Cadmium Adverse Effects by Improving Nutrients Uptake in Bitter Gourd through Cadmium Tolerant Rhizobacteria. Environments - MDPI, 2020, 7, 54.	3.3	52
104	Targeting salt stress coping mechanisms for stress tolerance in Brassica: A research perspective. Plant Physiology and Biochemistry, 2021, 158, 53-64.	5.8	51
105	Recent developments in therapeutic protein expression technologies in plants. Biotechnology Letters, 2015, 37, 265-279.	2.2	50
106	Heterogeneous impacts of environmental regulation on foreign direct investment: do environmental regulation affect FDI decisions?. Environmental Science and Pollution Research, 2022, 29, 5092-5104.	5.3	50
107	Comparative Effects of Organic and Inorganic Fertilizers on Soil Organic Carbon and Wheat Productivity under Arid Region. Communications in Soil Science and Plant Analysis, 2020, 51, 1406-1422.	1.4	49
108	Plant Growth and Morphological Changes in Rice Under Abiotic Stress. , 2019, , 69-85.		48

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109	Evaluation of the OILCROP-SUN model for sunflower hybrids under different agro-meteorological conditions of Punjabâ€”Pakistan. <i>Field Crops Research</i> , 2016, 188, 17-30.	5.1	47
110	Paddy Land Pollutants and Their Role in Climate Change. <i>Soil Biology</i> , 2018, , 113-124.	0.8	47
111	Evaluation and analysis of temperature for historical (1996â€”2015) and projected (2030â€”2060) climates in Pakistan using SimCLIM climate model: Ensemble application. <i>Atmospheric Research</i> , 2018, 213, 422-436.	4.1	47
112	Multifunctional role of brassinosteroid and its analogues in plants. <i>Plant Growth Regulation</i> , 2020, 92, 141-156.	3.4	47
113	Effect of Different Levels of Nitrogen and Phosphorus on the Phenology and Yield of Maize Varieties. <i>American Journal of Plant Sciences</i> , 2014, 05, 2582-2590.	0.8	46
114	Comparative efficacy of phosphorous supplements with phosphate solubilizing bacteria for optimizing wheat yield in calcareous soils. <i>Scientific Reports</i> , 2022, 12, .	3.3	46
115	Offsetting land degradation through nitrogen and water management during maize cultivation under arid conditions. <i>Land Degradation and Development</i> , 2018, 29, 1366-1375.	3.9	45
116	High arsenic contamination and presence of other trace metals in drinking water of Kushtia district, Bangladesh. <i>Journal of Environmental Management</i> , 2019, 242, 199-209.	7.8	45
117	Phosphorus Nutrient Management through Synchronization of Application Methods and Rates in Wheat and Maize Crops. <i>Plants</i> , 2020, 9, 1389.	3.5	45
118	Developing Climate-Resilient Crops. , 0, , .		45
119	Crop traits enabling yield gains under more frequent extreme climatic events. <i>Science of the Total Environment</i> , 2022, 808, 152170.	8.0	45
120	Optimizing nutrient use efficiency, productivity, energetics, and economics of red cabbage following mineral fertilization and biopriming with compatible rhizosphere microbes. <i>Scientific Reports</i> , 2021, 11, 15680.	3.3	43
121	Effect of arbuscular mycorrhizal fungi on the physiological functioning of maize under zinc-deficient soils. <i>Scientific Reports</i> , 2021, 11, 18468.	3.3	43
122	Molybdenum and hydrogen sulfide synergistically mitigate arsenic toxicity by modulating defense system, nitrogen and cysteine assimilation in faba bean ( <i>Vicia faba</i> L.) seedlings. <i>Environmental Pollution</i> , 2021, 290, 117953.	7.5	43
123	Correlation studies on nitrogen for sunflower crop across the agroclimatic variability. <i>Environmental Science and Pollution Research</i> , 2016, 23, 3658-3670.	5.3	42
124	Morphoâ€”physiological traits, antioxidant capacity, and nitrogen metabolism in ramie under nitrogen fertilizer. <i>Agronomy Journal</i> , 2020, 112, 2988-2997.	1.8	42
125	Economic assessment of different mulches in conventional and water-saving rice production systems. <i>Environmental Science and Pollution Research</i> , 2016, 23, 9156-9163.	5.3	41
126	Farmersâ€™ awareness level and their perceptions of climate change: A case of Khyber Pakhtunkhwa province, Pakistan. <i>Land Use Policy</i> , 2020, 96, 104669.	5.6	41

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127	Compost mixed fruits and vegetable waste biochar with ACC deaminase rhizobacteria can minimize lead stress in mint plants. <i>Scientific Reports</i> , 2021, 11, 6606.	3.3	41
128	Spatiotemporal variability of COVID-19 pandemic in relation to air pollution, climate and socioeconomic factors in Pakistan. <i>Chemosphere</i> , 2021, 271, 129584.	8.2	41
129	Biochar and urease inhibitor mitigate NH <sub>3</sub> and N <sub>2</sub> O emissions and improve wheat yield in a urea fertilized alkaline soil. <i>Scientific Reports</i> , 2021, 11, 17413.	3.3	41
130	Interactive effects of gibberellic acid and NPK on morpho-physio-biochemical traits and organic acid exudation pattern in coriander ( <i>Coriandrum sativum</i> L.) grown in soil artificially spiked with boron. <i>Plant Physiology and Biochemistry</i> , 2021, 167, 884-900.	5.8	41
131	Managing Phosphorus Availability from Organic and Inorganic Sources for Optimum Wheat Production in Calcareous Soils. <i>Sustainability</i> , 2022, 14, 7669.	3.2	40
132	Gibberellin-sensitive Rht alleles confer tolerance to heat and drought stresses in wheat at booting stage. <i>Journal of Cereal Science</i> , 2016, 70, 72-78.	3.7	39
133	Modelling Climate Change Impacts and Adaptation Strategies for Sunflower in Pakistan. <i>Outlook on Agriculture</i> , 2016, 45, 39-45.	3.4	39
134	Evaluating the climate change impact on water use efficiency of cotton-wheat in semi-arid conditions using DSSAT model. <i>Journal of Water and Climate Change</i> , 2020, 11, 1661-1675.	2.9	39
135	Enhancing phosphorus availability, soil organic carbon, maize productivity and farm profitability through biochar and organic-inorganic fertilizers in an irrigated maize agroecosystem under semi-arid climate. <i>Soil Use and Management</i> , 2021, 37, 104-119.	4.9	39
136	Biochar coupling with phosphorus fertilization modifies antioxidant activity, osmolyte accumulation and reactive oxygen species synthesis in the leaves and xylem sap of rice cultivars under high-temperature stress. <i>Physiology and Molecular Biology of Plants</i> , 2021, 27, 2083-2100.	3.1	39
137	Beneficial elements: New Players in improving nutrient use efficiency and abiotic stress tolerance. <i>Plant Growth Regulation</i> , 2023, 100, 237-265.	3.4	39
138	Interference and economic threshold level of little seed canary grass in wheat under different sowing times. <i>Environmental Science and Pollution Research</i> , 2015, 22, 441-449.	5.3	38
139	Physiological Mechanisms Underlying the High-Grain Yield and High-Nitrogen Use Efficiency of Elite Rice Varieties under a Low Rate of Nitrogen Application in China. <i>Frontiers in Plant Science</i> , 2016, 7, 1024.	3.6	38
140	Application of CSM-CERES-Maize model in optimizing irrigated conditions. <i>Outlook on Agriculture</i> , 2016, 45, 173-184.	3.4	38
141	Nitrogen fertilization and conservation tillage: a review on growth, yield, and greenhouse gas emissions in cotton. <i>Environmental Science and Pollution Research</i> , 2017, 24, 2261-2272.	5.3	38
142	Determining nitrogen isotopes discrimination under drought stress on enzymatic activities, nitrogen isotope abundance and water contents of Kentucky bluegrass. <i>Scientific Reports</i> , 2020, 10, 6415.	3.3	38
143	Growth and Productivity Response of Hybrid Rice to Application of Animal Manures, Plant Residues and Phosphorus. <i>Frontiers in Plant Science</i> , 2016, 7, 1440.	3.6	37
144	Sufficient leaf transpiration and nonstructural carbohydrates are beneficial for high-temperature tolerance in three rice ( <i>Oryza sativa</i> ) cultivars and two nitrogen treatments. <i>Functional Plant Biology</i> , 2015, 42, 347.	2.1	36

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145	Response of sunflower hybrids to nitrogen application grown under different agro-environments. <i>Journal of Plant Nutrition</i> , 2017, 40, 82-92.	1.9	36
146	Comparison of future and base precipitation anomalies by SimCLIM statistical projection through ensemble approach in Pakistan. <i>Atmospheric Research</i> , 2017, 194, 214-225.	4.1	35
147	Uptake and toxicological effects of pharmaceutical active compounds on maize. <i>Agriculture, Ecosystems and Environment</i> , 2018, 258, 143-148.	5.3	35
148	Integration of poultry manure and phosphate solubilizing bacteria improved availability of Ca bound P in calcareous soils. <i>3 Biotech</i> , 2019, 9, 368.	2.2	35
149	Major Constraints for Global Rice Production. , 2019, , 1-22.		35
150	Influence of variable biochar concentration on yield-scaled nitrous oxide emissions, Wheat yield and nitrogen use efficiency. <i>Scientific Reports</i> , 2021, 11, 16774.	3.3	35
151	Impact of Seed Dressing and Soil Application of Potassium Humate on Cotton Plants Productivity and Fiber Quality. <i>Plants</i> , 2020, 9, 1444.	3.5	34
152	Linking Plants Functioning to Adaptive Responses Under Heat Stress Conditions: A Mechanistic Review. <i>Journal of Plant Growth Regulation</i> , 2022, 41, 2596-2613.	5.1	34
153	Toxicity of Cadmium and nickel in the context of applied activated carbon biochar for improvement in soil fertility. <i>Saudi Journal of Biological Sciences</i> , 2022, 29, 743-750.	3.8	34
154	Performance of <i>Aeluropus lagopoides</i> (mangrove grass) ecotypes, a potential turfgrass, under high saline conditions. <i>Environmental Science and Pollution Research</i> , 2019, 26, 13410-13421.	5.3	33
155	Abiotic Stress and Rice Grain Quality. , 2019, , 571-583.		33
156	A Comprehensive Review on Rice Responses and Tolerance to Salt Stress. , 2019, , 133-158.		33
157	Antioxidative Defense System, Hormones, and Metabolite Accumulation in Different Plant Parts of Two Contrasting Rice Cultivars as Influenced by Plant Growth Regulators Under Heat Stress. <i>Frontiers in Plant Science</i> , 2022, 13, .	3.6	33
158	Morphological acclimation to agronomic manipulation in leaf dispersion and orientation to promote "deotype" breeding: Evidence from 3D visual modeling of "super" rice ( <i>Oryza sativa</i> L.). <i>Plant Physiology and Biochemistry</i> , 2019, 135, 499-510.	5.8	32
159	Intensified pollination and fertilization ameliorate heat injury in rice ( <i>Oryza sativa</i> L.) during the flowering stage. <i>Field Crops Research</i> , 2020, 252, 107795.	5.1	32
160	Effect of plant growth promoting bacteria and drought on spring maize ( <i>Zea mays</i> L.). <i>Pakistan Journal of Botany</i> , 2021, 53, .	0.5	32
161	Consequences of Salinity Stress on the Quality of Crops and Its Mitigation Strategies for Sustainable Crop Production: An Outlook of Arid and Semi-arid Regions. , 2020, , 503-533.		31
162	Synergistic Effect of <i>Bacillus thuringiensis</i> IAGS 199 and Putrescine on Alleviating Cadmium-Induced Phytotoxicity in <i>Capsicum annum</i> . <i>Plants</i> , 2020, 9, 1512.	3.5	31

#	ARTICLE	IF	CITATIONS
163	Ornamental Plant Efficiency for Heavy Metals Phytoextraction from Contaminated Soils Amended with Organic Materials. <i>Molecules</i> , 2021, 26, 3360.	3.8	31
164	Arbuscular mycorrhizal fungi improve the growth and phosphorus uptake of mung bean plants fertilized with composted rock phosphate fed dung in alkaline soil environment. <i>Journal of Plant Nutrition</i> , 2019, 42, 1760-1769.	1.9	30
165	Nitrogen and plant population change radiation capture and utilization capacity of sunflower in semi-arid environment. <i>Environmental Science and Pollution Research</i> , 2017, 24, 17511-17525.	5.3	29
166	Impact of chelator-induced phytoextraction of cadmium on yield and ionic uptake of maize. <i>International Journal of Phytoremediation</i> , 2017, 19, 505-513.	3.1	29
167	Optimizing nitrogen management to balance rice yield and environmental risk in the Yangtze River's middle reaches. <i>Environmental Science and Pollution Research</i> , 2019, 26, 4901-4912.	5.3	29
168	Factors controlling arsenic contamination and potential remediation measures in soil-plant systems. <i>Groundwater for Sustainable Development</i> , 2019, 9, 100263.	4.6	28
169	Influence of semi-arid environment on radiation use efficiency and other growth attributes of lentil crop. <i>Environmental Science and Pollution Research</i> , 2021, 28, 13697-13711.	5.3	28
170	Medium nitrogen optimized <i>Boehmeria nivea</i> L. growth in copper contaminated soil. <i>Chemosphere</i> , 2021, 266, 128972.	8.2	28
171	Rice straw application with different water regimes stimulate enzymes activity and improve aggregates and their organic carbon contents in a paddy soil. <i>Chemosphere</i> , 2021, 274, 129971.	8.2	28
172	Predicting copper content in chicory leaves using hyperspectral data with continuous wavelet transforms and partial least squares. <i>Computers and Electronics in Agriculture</i> , 2021, 187, 106293.	7.7	28
173	Use of crop growth model to simulate the impact of climate change on yield of various wheat cultivars under different agro-environmental conditions in Khyber Pakhtunkhwa, Pakistan. <i>Arabian Journal of Geosciences</i> , 2020, 13, 1.	1.3	27
174	Chemical and Biological Enhancement Effects of Biochar on Wheat Growth and Yield under Arid Field Conditions. <i>Sustainability</i> , 2021, 13, 5890.	3.2	27
175	Effects of 1-Methylcyclopropene on Rice Growth Characteristics and Superior and Inferior Spikelet Development Under Salt Stress. <i>Journal of Plant Growth Regulation</i> , 2018, 37, 1368-1384.	5.1	26
176	Drought and salinity stresses in barley: Consequences and mitigation strategies. <i>Australian Journal of Crop Science</i> , 2019, , 810-820.	0.3	26
177	Engineering Tolerance in Crop Plants Against Abiotic Stress. , 0, , .		26
178	Disease resistance in rice and the role of molecular breeding in protecting rice crops against diseases. <i>Biotechnology Letters</i> , 2014, 36, 1407-1420.	2.2	25
179	Nitrogen Source and Rate Management Improve Maize Productivity of Smallholders under Semiarid Climates. <i>Frontiers in Plant Science</i> , 2016, 7, 1773.	3.6	25
180	Water-saving technologies affect the grain characteristics and recovery of fine-grain rice cultivars in semi-arid environment. <i>Environmental Science and Pollution Research</i> , 2017, 24, 12971-12981.	5.3	25

#	ARTICLE	IF	CITATIONS
181	Microbial diversity response in thallium polluted riverbank soils of the Lanmuchang. <i>Ecotoxicology and Environmental Safety</i> , 2020, 187, 109854.	6.0	25
182	Investigating connections between COVID-19 pandemic, air pollution and community interventions for Pakistan employing geoinformation technologies. <i>Chemosphere</i> , 2021, 272, 129809.	8.2	25
183	Drought Stress Alleviation by Potassium-Nitrate-Containing Chitosan/Montmorillonite Microparticles Confers Changes in <i>Spinacia oleracea</i> L.. <i>Sustainability</i> , 2021, 13, 9903.	3.2	25
184	Comprehending the environmental regulation, biased policies and OFDI reverse technology spillover effects: a contingent and dynamic perspective. <i>Environmental Science and Pollution Research</i> , 2022, 29, 33167-33179.	5.3	25
185	Comparative effects of biochar and NPK on wheat crops under different management systems. <i>Crop and Pasture Science</i> , 2022, 74, 31-40.	1.5	25
186	Substituting urea by organic wastes for improving maize yield in alkaline soil. <i>Journal of Plant Nutrition</i> , 2019, 42, 2423-2434.	1.9	24
187	Quantitative leaf anatomy and photophysiology systems of C3 and C4 turfgrasses in response to shading. <i>Scientia Horticulturae</i> , 2020, 274, 109674.	3.6	24
188	Biofertilizer-Based Zinc Application Enhances Maize Growth, Gas Exchange Attributes, and Yield in Zinc-Deficient Soil. <i>Agriculture (Switzerland)</i> , 2021, 11, 310.	3.1	24
189	Metabolic-based insecticide resistance mechanism and ecofriendly approaches for controlling of beet armyworm <i>Spodoptera exigua</i> : a review. <i>Environmental Science and Pollution Research</i> , 2022, 29, 1746-1762.	5.3	24
190	Satellite-based evaluation of temporal change in cultivated land in Southern Punjab (Multan region) through dynamics of vegetation and land surface temperature. <i>Open Geosciences</i> , 2021, 13, 1561-1577.	1.7	24
191	An assessment of rural household vulnerability and resilience in natural hazards: evidence from flood prone areas. <i>Environment, Development and Sustainability</i> , 2023, 25, 5561-5577.	5.0	24
192	Comprehensive Impacts of Climate Change on Rice Production and Adaptive Strategies in China. <i>Frontiers in Microbiology</i> , 0, 13, .	3.5	24
193	Distribution and hydrogeochemical behavior of arsenic enriched groundwater in the sedimentary aquifer comparison between Datong Basin (China) and Kushtia District (Bangladesh). <i>Environmental Science and Pollution Research</i> , 2018, 25, 15830-15843.	5.3	23
194	Managing Tillage Operation and Manure to Restore Soil Carbon Stocks in Wheatâ€“Maize Cropping System. <i>Agronomy Journal</i> , 2019, 111, 2600-2609.	1.8	23
195	Developing the first halophytic turfgrasses for the urban landscape from native Arabian desert grass. <i>Environmental Science and Pollution Research</i> , 2020, 27, 39702-39716.	5.3	23
196	Coupling of Biochar with Nitrogen Supplements Improve Soil Fertility, Nitrogen Utilization Efficiency and Rapeseed Growth. <i>Agronomy</i> , 2020, 10, 1661.	3.0	23
197	Drought Tolerance in Plants Role of Phytohormones and Scavenging System of ROS. , 2019, , 103-114.		23
198	Application of Zinc Fertilizer and Mycorrhizal Inoculation on Physio-Biochemical Parameters of Wheat Grown under Water-Stressed Environment. <i>Sustainability</i> , 2021, 13, 11007.	3.2	23

#	ARTICLE	IF	CITATIONS
199	Assessment of land use/land cover changes and its effect on land surface temperature using remote sensing techniques in Southern Punjab, Pakistan. <i>Environmental Science and Pollution Research</i> , 2023, 30, 99202-99218.	5.3	23
200	<i>Bacillus safensis</i> with plant-derived smoke stimulates rice growth under saline conditions. <i>Environmental Science and Pollution Research</i> , 2017, 24, 23850-23863.	5.3	22
201	Optimization of Nitrogen, Phosphorus, and Potassium Fertilization Rates for Overseeded Perennial Ryegrass Turf on Dormant Bermudagrass in a Transitional Climate. <i>Frontiers in Plant Science</i> , 2018, 9, 487.	3.6	22
202	Growth and physiological response of spinach to various lithium concentrations in soil. <i>Environmental Science and Pollution Research</i> , 2020, 27, 39717-39725.	5.3	22
203	Climate Smart Agriculture (CSA) Technologies. , 2022, , 319-338.		22
204	Modulation in growth, gas exchange, and antioxidant activities of salt-stressed rice ( <i>Oryza sativa</i> L.) genotypes by zinc fertilization. <i>Arabian Journal of Geosciences</i> , 2019, 12, 1.	1.3	21
205	Effects of the nitrification inhibitor nitrapyrin and mulch on N <sub>2</sub> O emission and fertilizer use efficiency using <sup>15</sup> N tracing techniques. <i>Science of the Total Environment</i> , 2021, 757, 143739.	8.0	21
206	Fourier Transform Infrared Spectroscopy vibrational bands study of <i>Spinacia oleracea</i> and <i>Trigonella corniculata</i> under biochar amendment in naturally contaminated soil. <i>PLoS ONE</i> , 2021, 16, e0253390.	2.5	21
207	Effects of rice straw biochar and nitrogen fertilizer on ramie ( <i>Boehmeria nivea</i> L.) morpho-physiological traits, copper uptake and post-harvest soil characteristics, grown in an aged-copper contaminated soil. <i>Journal of Plant Nutrition</i> , 2022, 45, 11-24.	1.9	21
208	Mitigation of lead (Pb) toxicity in rice cultivated with either ground water or wastewater by application of acidified carbon. <i>Journal of Environmental Management</i> , 2022, 307, 114521.	7.8	21
209	Effect of Metals or Trace Elements on Wheat Growth and Its Remediation in Contaminated Soil. <i>Journal of Plant Growth Regulation</i> , 2023, 42, 2258-2282.	5.1	21
210	Rice Pest Management and Biological Control. <i>Sustainable Agriculture Reviews</i> , 2015, , 85-106.	1.1	20
211	Chelators induced uptake of cadmium and modulation of water relation, antioxidants, and photosynthetic traits of maize. <i>Environmental Science and Pollution Research</i> , 2019, 26, 17577-17590.	5.3	20
212	Mad honey: uses, intoxicating/poisoning effects, diagnosis, and treatment. <i>RSC Advances</i> , 2018, 8, 18635-18646.	3.6	19
213	Suppressing photorespiration for the improvement in photosynthesis and crop yields: A review on the role of S-allantoin as a nitrogen source. <i>Journal of Environmental Management</i> , 2019, 237, 644-651.	7.8	19
214	Advances in Rice Research for Abiotic Stress Tolerance. , 2019, , 585-614.		19
215	Modeling the impact of climate warming on potato phenology. <i>European Journal of Agronomy</i> , 2022, 132, 126404.	4.1	19
216	Relative efficiency of biochar particles of different sizes for immobilising heavy metals and improving soil properties. <i>Crop and Pasture Science</i> , 2022, 74, 112-120.	1.5	19

#	ARTICLE	IF	CITATIONS
217	Maize-alfalfa intercropping induced changes in plant and soil nutrient status under nitrogen application. Archives of Agronomy and Soil Science, 2022, 68, 151-165.	2.6	18
218	Rhizobacteria Inoculation and Caffeic Acid Alleviated Drought Stress in Lentil Plants. Sustainability, 2021, 13, 9603.	3.2	18
219	Using space-time scan statistic for studying the effects of COVID-19 in Punjab, Pakistan: a guideline for policy measures in regional agriculture. Environmental Science and Pollution Research, 2023, 30, 42495-42508.	5.3	18
220	Humic Acid Mitigates the Negative Effects of High Rates of Biochar Application on Microbial Activity. Sustainability, 2020, 12, 9524.	3.2	17
221	Carbon Mineralization Rates and Kinetics of Surface-Applied and Incorporated Rice and Maize Residues in Entisol and Inceptisol Soil Types. Sustainability, 2021, 13, 7212.	3.2	17
222	Mineral Fertilizers Improves the Quality of Turmeric and Soil. Sustainability, 2021, 13, 9437.	3.2	17
223	Global research on the air quality status in response to the electrification of vehicles. Science of the Total Environment, 2021, 795, 148861.	8.0	17
224	Response of Fodder Maize to Various Levels of Nitrogen and Phosphorus. American Journal of Plant Sciences, 2014, 05, 2323-2329.	0.8	17
225	Sulfur enhances cadmium bioaccumulation in Cichorium intybus by altering soil properties, heavy metal availability and microbial community in contaminated alkaline soil. Science of the Total Environment, 2022, 837, 155879.	8.0	17
226	The Role of Antioxidant Enzymes in Adaptive Responses to Sheath Blight Infestation under Different Fertilization Rates and Hill Densities. Scientific World Journal, The, 2014, 2014, 1-8.	2.1	16
227	Organic Matter Management in Cereals Based System: Symbiosis for Improving Crop Productivity and Soil Health. Sustainable Agriculture Reviews, 2019, , 67-92.	1.1	16
228	Assessing the Potential of Polymer Coated Urea and Sulphur Fertilization on Growth, Physiology, Yield, Oil Contents and Nitrogen Use Efficiency of Sunflower Crop under Arid Environment. Agronomy, 2021, 11, 269.	3.0	16
229	Nitrogen fertilizer ameliorate the remedial capacity of industrial hemp ( <i>Cannabis sativa</i> L.) grown in lead contaminated soil. Journal of Plant Nutrition, 2021, 44, 1770-1778.	1.9	16
230	Bio-based integrated pest management in rice: An agro-ecosystems friendly approach for agricultural sustainability. Journal of the Saudi Society of Agricultural Sciences, 2021, 20, 94-102.	1.9	16
231	Gibberellic acid and urease inhibitor optimize nitrogen uptake and yield of maize at varying nitrogen levels under changing climate. Environmental Science and Pollution Research, 2022, 29, 6568-6577.	5.3	16
232	Drought and Heat Stress in Cotton ( <i>Gossypium hirsutum</i> L.): Consequences and Their Possible Mitigation Strategies. , 2020, , 613-634.		16
233	Proteomic changes in various plant tissues associated with chromium stress in sunflower. Saudi Journal of Biological Sciences, 2022, 29, 2604-2612.	3.8	16
234	Water Deficit Irrigation and Nitrogen Response of Sudan Grass under Arid Land Drip Irrigation Conditions. Irrigation and Drainage, 2017, 66, 365-376.	1.7	15

#	ARTICLE	IF	CITATIONS
235	Natural and synthetic estrogens in leafy vegetable and their risk associated to human health. <i>Environmental Science and Pollution Research</i> , 2018, 25, 36712-36723.	5.3	15
236	Application of soil biofertilizers to a clayey soil contaminated with <i>Sclerotium rolfsii</i> can promote production, protection and nutritive status of <i>Phaseolus vulgaris</i> . <i>Chemosphere</i> , 2021, 271, 129321.	8.2	15
237	Studying soil erosion by evaluating changes in physico-chemical properties of soils under different land-use types. <i>Journal of the Saudi Society of Agricultural Sciences</i> , 2021, 20, 190-197.	1.9	15
238	Yield Enhancement and Better Micronutrients Uptake in Tomato Fruit through Potassium Humate Combined with Micronutrients Mixture. <i>Agriculture (Switzerland)</i> , 2021, 11, 357.	3.1	15
239	Mitigation of bacterial spot disease induced biotic stress in <i>Capsicum annum L.</i> cultivars via antioxidant enzymes and isoforms. <i>Scientific Reports</i> , 2021, 11, 9445.	3.3	15
240	Effect of carbon-enriched digestate on the microbial soil activity. <i>PLoS ONE</i> , 2021, 16, e0252262.	2.5	15
241	Adaptation of functional traits and their plasticity of three ornamental trees growing in urban environment. <i>Scientia Horticulturae</i> , 2021, 286, 110248.	3.6	15
242	Screening of wheat ( <i>Triticum aestivum L.</i> ) genotypes for drought tolerance using polyethylene glycol. <i>Arabian Journal of Geosciences</i> , 2021, 14, 1.	1.3	15
243	Consequences and Mitigation Strategies of Heat Stress for Sustainability of Soybean ( <i>Glycine max L.</i> ) Tj ETQq1 1 0.784314 rsgBT /Over		14
244	Kaolin and Jasmonic acid improved cotton productivity under water stress conditions. <i>Saudi Journal of Biological Sciences</i> , 2021, 28, 6606-6614.	3.8	14
245	Production of Organic Fertilizers from Rocket Seed ( <i>Eruca Sativa L.</i> ), Chicken Peat and Moringa Oleifera Leaves for Growing Linseed under Water Deficit Stress. <i>Sustainability</i> , 2021, 13, 59.	3.2	14
246	The effect of nutrients shortage on plant's efficiency to capture solar radiations under semi-arid environments. <i>Environmental Science and Pollution Research</i> , 2016, 23, 20497-20505.	5.3	13
247	Estimating the yield stability of heat-tolerant rice genotypes under various heat conditions across reproductive stages: a 5-year case study. <i>Scientific Reports</i> , 2021, 11, 13604.	3.3	13
248	Legumes under Drought Stress: Plant Responses, Adaptive Mechanisms, and Management Strategies in Relation to Nitrogen Fixation. , 2021, , 179-207.		13
249	Biochar; a Remedy for Climate Change. , 2020, , 151-171.		13
250	Correlation of Soil Characteristics and Citrus Leaf Nutrients Contents in Current Scenario of Layyah District. <i>Horticulturae</i> , 2022, 8, 61.	2.8	13
251	Physiological response of spinach to toxic heavy metal stress. <i>Environmental Science and Pollution Research</i> , 2019, 26, 31667-31674.	5.3	12
252	Mitigation of Osmotic Stress in Cotton for the Improvement in Growth and Yield through Inoculation of Rhizobacteria and Phosphate Solubilizing Bacteria Coated Diammonium Phosphate. <i>Sustainability</i> , 2020, 12, 10456.	3.2	12

#	ARTICLE	IF	CITATIONS
253	The Effect of Biochar and Nitrogen Inhibitor on Ammonia and Nitrous Oxide Emissions and Wheat Productivity. <i>Journal of Plant Growth Regulation</i> , 2021, 40, 2465-2475.	5.1	12
254	Phenology, growth, productivity, and profitability of mungbean as affected by potassium and organic matter under water stress vs. no water stress conditions. <i>Journal of Plant Nutrition</i> , 2022, 45, 629-650.	1.9	12
255	Climate Resilient Cotton Production System: A Case Study in Pakistan. , 2020, , 447-484.		12
256	Change in photosynthetic pigments of Date palm offshoots under abiotic stress factors. <i>Folia Oecologica</i> , 2020, 47, 45-51.	0.7	12
257	The impact of COVID-19 pandemic on air pollution: a global research framework, challenges, and future perspectives. <i>Environmental Science and Pollution Research</i> , 2022, , 1.	5.3	12
258	Comparative Genetic Evaluation of Maize Inbred Lines at Seedling and Maturity Stages Under Drought Stress. <i>Journal of Plant Growth Regulation</i> , 2023, 42, 989-1005.	5.1	12
259	Changes in Leaf Structural and Functional Characteristics when Changing Planting Density at Different Growth Stages Alters Cotton Lint Yield under a New Planting Model. <i>Agronomy</i> , 2019, 9, 859.	3.0	11
260	Physio-chemical characterization of indigenous agricultural waste materials for the development of potting media. <i>Saudi Journal of Biological Sciences</i> , 2021, 28, 7491-7498.	3.8	11
261	Effects of Climate Change on Irrigation Water Quality. , 2020, , 123-132.		11
262	Bifenthrin induced toxicity in <i>Ctenopharyngodon idella</i> at an acute concentration: A multi-biomarkers based study. <i>Journal of King Saud University - Science</i> , 2022, 34, 101752.	3.5	11
263	Recognizing the Basics of Phytochrome-Interacting Factors in Plants for Abiotic Stress Tolerance. <i>Plant Stress</i> , 2022, 3, 100050.	5.5	11
264	Evaluating the Impact of Nitrogen Application on Growth and Productivity of Maize Under Control Conditions. <i>Frontiers in Plant Science</i> , 2022, 13, .	3.6	11
265	Future climatic changes, extreme events, related uncertainties, and policy recommendations in the Hindu Kush sub-regions of Pakistan. <i>Theoretical and Applied Climatology</i> , 2021, 143, 193-209.	2.8	10
266	Accentuating the Role of Nitrogen to Phosphorus Ratio on the Growth and Yield of Wheat Crop. <i>Sustainability</i> , 2021, 13, 2253.	3.2	10
267	Evaluation of <i>Jatropha curcas</i> L. leaves mulching on wheat growth and biochemical attributes under water stress. <i>BMC Plant Biology</i> , 2021, 21, 303.	3.6	10
268	Screening of Rice Cultivars for Nitrogen Use Efficiency and Yield Stability under Varying Nitrogen Levels. <i>Journal of Plant Growth Regulation</i> , 2022, 41, 1808-1819.	5.1	10
269	Immobilization of Cd in soil by biochar and new emerging chemically produced carbon. <i>Journal of King Saud University - Science</i> , 2021, 33, 101472.	3.5	10
270	Plant-Microbes Interactions and Functions in Changing Climate. , 2020, , 397-419.		10

#	ARTICLE	IF	CITATIONS
271	Measuring Vulnerability to Environmental Hazards: Qualitative to Quantitative. , 2020, , 421-452.		10
272	Response of Nitrogen, Phosphorus and Potassium Fertilization on Productivity and Quality of Winter Rapeseed in Central China. International Journal of Agriculture and Biology, 2016, 18, 1137-1142.	0.4	10
273	Biochar Optimizes Wheat Quality, Yield, and Nitrogen Acquisition in Low Fertile Calcareous Soil Treated With Organic and Mineral Nitrogen Fertilizers. Frontiers in Plant Science, 2022, 13, 879788.	3.6	10
274	Floating Treatment Wetlands (FTWs) is an Innovative Approach for the Remediation of Petroleum Hydrocarbons-Contaminated Water. Journal of Plant Growth Regulation, 2023, 42, 1402-1420.	5.1	10
275	Effects of Light Spectra on Morphology, Gaseous Exchange, and Antioxidant Capacity of Industrial Hemp. Frontiers in Plant Science, 2022, 13, .	3.6	10
276	Prevalence, quantification and isolation of pathogenic shiga toxin Escherichia coli O157:H7 along the production and supply chain of pork around Hubei Province of China. Microbial Pathogenesis, 2018, 115, 93-99.	2.9	9
277	Nitrification Inhibitor and Plant Growth Regulators Improve Wheat Yield and Nitrogen Use Efficiency. Journal of Plant Growth Regulation, 2022, 41, 216-226.	5.1	9
278	Nitrogen Fertilizer Effects on Microbial Respiration, Microbial Biomass, and Carbon Sequestration in a Mediterranean Grassland Ecosystem. International Journal of Environmental Research, 2021, 15, 655-665.	2.3	9
279	Phosphate solubilizing bacteria optimize wheat yield in mineral phosphorus applied alkaline soil. Journal of the Saudi Society of Agricultural Sciences, 2022, 21, 339-348.	1.9	9
280	Carbon Cycle in Response to Global Warming. , 2020, , 1-15.		9
281	Synchronization of Boron application methods and rates is environmentally friendly approach to improve quality attributes of Mangifera indica L. On sustainable basis. Saudi Journal of Biological Sciences, 2021, 29, 1869-1880.	3.8	9
282	Managing Greenhouse Gas Emission. , 2022, , 547-564.		9
283	Integrated Crop Management Practices Improve Grain Yield and Resource Use Efficiency of Super Hybrid Rice. Frontiers in Plant Science, 2022, 13, 851562.	3.6	9
284	Current status and future possibilities of molecular genetics techniques in Brassica napus. Biotechnology Letters, 2018, 40, 479-492.	2.2	8
285	Alternative and Non-conventional Soil and Crop Management Strategies for Increasing Water Use Efficiency. , 2020, , 323-338.		8
286	Soil Fertility, N <sub>2</sub> Fixation and Yield of Chickpea as Influenced by Long-Term Biochar Application under Mungâ€“Chickpea Cropping System. Sustainability, 2020, 12, 9008.	3.2	8
287	Comparing the phosphorus use efficiency of pre-treated (organically) rock phosphate with soluble P fertilizers in maize under calcareous soils. PeerJ, 2021, 9, e11452.	2.0	8
288	Optimized High-Performance Liquid Chromatography Method for Determining Nine Cytokinins, Indole-3-acetic Acid and Abscisic Acid. Sustainability, 2021, 13, 6998.	3.2	8

#	ARTICLE	IF	CITATIONS
289	Critical Review of COVID-2019 in Pakistan and Its Impact on Pakistan Economy. SSRN Electronic Journal, 0, , .	0.4	8
290	Integrated Use of Biofertilizers with Organic and Inorganic Phosphorus Sources Improve Dry Matter Partitioning and Yield of Hybrid Maize. Communications in Soil Science and Plant Analysis, 2021, 52, 2732-2747.	1.4	8
291	Dehydrin responsive HVA1 driven inducible gene expression enhanced salt and drought tolerance in wheat. Plant Physiology and Biochemistry, 2022, 180, 124-133.	5.8	8
292	Influence of composted poultry manure and irrigation regimes on some morpho-physiology parameters of maize under semiarid environments. Environmental Science and Pollution Research, 2018, 25, 19918-19931.	5.3	7
293	Rice Husk Bio-Char Improves Brinjal Growth, Decreases Insect Infestation by Enhancing Silicon Uptake. Silicon, 2021, 13, 3351-3360.	3.3	7
294	Coronavirus and its terrifying inning around the globe: The pharmaceutical cares at the main frontline. Chemosphere, 2021, 275, 129968.	8.2	7
295	Turf performance and physiological responses of native <i>Poa</i> species to summer stress in Northeast China. PeerJ, 2021, 9, e12252.	2.0	7
296	The physiological function and molecular mechanism of hydrogen sulfide resisting abiotic stress in plants. Revista Brasileira De Botanica, 2022, 45, 563-572.	1.3	7
297	Improving boron use efficiency via different application techniques for optimum production of good quality potato ( <i>Solanum tuberosum</i> L.) in alkaline soil. PLoS ONE, 2022, 17, e0259403.	2.5	7
298	Effects of Asymmetric Heat on Grain Quality During the Panicle Initiation Stage in Contrasting Rice Genotypes. Journal of Plant Growth Regulation, 2023, 42, 630-636.	5.1	7
299	Range expansion decreases the reproductive fitness of <i>Gentiana officinalis</i> (Gentianaceae). Scientific Reports, 2022, 12, 2461.	3.3	7
300	Individual and Synergic Effects of Phosphorus and Gibberellic Acid on Organic Acids Exudation Pattern, Ultra-Structure of Chloroplast and Stress Response Gene Expression in Cu-Stressed Jute ( <i>Corchorus Capsularis</i> L.). Journal of Plant Growth Regulation, 2023, 42, 1186-1211.	5.1	7
301	The potential applications of picotechnology in biomedical and environmental sciences. Environmental Science and Pollution Research, 2020, 27, 133-142.	5.3	6
302	Genotypic Differences Among the Rice Genotypes to Arsenic Stress Cultivated Under Two Water Regimes: With an Inference to Human Health. Journal of Plant Growth Regulation, 0, , 1.	5.1	6
303	COVID-2019 Locked down Impact on Dairy Industry in the World. SSRN Electronic Journal, 0, , .	0.4	6
304	Nutrient Management for Improving Abiotic Stress Tolerance in Legumes of the Family Fabaceae. , 2020, , 393-415.		6
305	Over-Optimistic Projected Future Wheat Yield Potential in the North China Plain: The Role of Future Climate Extremes. Agronomy, 2022, 12, 145.	3.0	6
306	The Response of <i>Triticum aestivum</i> Treated with Plant Growth Regulators to Acute Day/Night Temperature Rise. Journal of Plant Growth Regulation, 2022, 41, 2020-2033.	5.1	6

#	ARTICLE	IF	CITATIONS
307	Analyzing farm households' perception and choice of adaptation strategies towards climate change impacts: a case study of vulnerable households in an emerging Asian region. <i>Environmental Science and Pollution Research</i> , 2022, 29, 57306-57316.	5.3	6
308	Alleviation of Cd stress in maize by compost mixed biochar. <i>Journal of King Saud University - Science</i> , 2022, 34, 102014.	3.5	6
309	Maize productivity and soil nutrients variations by the application of vermicompost and biochar. <i>PLoS ONE</i> , 2022, 17, e0267483.	2.5	6
310	Organic Carbon Sources and Nitrogen Management Improve Biomass of Hybrid Rice ( <i>Oryza sativa</i> L.) under Nitrogen Deficient Condition. , 2019, , 447-467.		5
311	An evaluation of subsidy policy impacts, transient and persistent technical efficiency: A case of Mongolia. <i>Environment, Development and Sustainability</i> , 2022, 24, 9223-9242.	5.0	5
312	Global Trends of E-waste Pollution and Its Impact on Environment. <i>Soil Biology</i> , 2019, , 55-74.	0.8	5
313	Climate Change and Coastal Plant Lives. , 2020, , 93-108.		5
314	Allelopathic Influence of Sesame and Green Gram Intercrops on Cotton in a Replacement Series. <i>Clean - Soil, Air, Water</i> , 2017, 45, .	1.1	4
315	Integrated Nutrient Management in Corn Production: Symbiosis for Food Security and Grower's Income in Arid and Semiarid Climates. , 0, , .		4
316	Adverse Effect of Drought on Quality of Major Cereal Crops: Implications and Their Possible Mitigation Strategies. , 2020, , 635-658.		4
317	Modern Concepts and Techniques for Better Cotton Production. , 2020, , 589-628.		4
318	Effects of Social Stigma on the Sick People of COVID-2019 in the Community of the World. <i>SSRN Electronic Journal</i> , 0, , .	0.4	4
319	Comparative low lethal effects of three insecticides on demographical traits and enzyme activity of the <i>Spodoptera exigua</i> (Hübner). <i>Environmental Science and Pollution Research</i> , 2022, 29, 60198-60211.	5.3	4
320	Shifting Rice Cropping Systems Mitigates Ecological Footprints and Enhances Grain Yield in Central China. <i>Frontiers in Plant Science</i> , 2022, 13, .	3.6	4
321	Exploring Suitability of <i>Salsola imbricata</i> (Fetid Saltwort) for Salinity and Drought Conditions: A Step Toward Sustainable Landscaping Under Changing Climate. <i>Frontiers in Plant Science</i> , 0, 13, .	3.6	4
322	Effect of Different Levels of Zinc and Compost on Yield and Yield Components of Wheat. <i>Agronomy</i> , 2022, 12, 1562.	3.0	4
323	Dual-purpose wheat technology: a tool for ensuring food security and livestock sustainability in cereal-based cropping pattern. <i>Archives of Agronomy and Soil Science</i> , 2021, 67, 1889-1900.	2.6	3
324	A hot-blast warming facility for simulating global warming in low-stature crop systems and its application case to assess elevated temperature effects on rice in Central China. <i>Plant Methods</i> , 2020, 16, 57.	4.3	3

#	ARTICLE	IF	CITATIONS
325	Foliar <i>versus</i> soil phosphorus (P) application for improving P use efficiency in wheat and maize in calcareous soils. Journal of Plant Nutrition, 0, , 1-13.	1.9	3
326	Generation mean analysis for grain yield and its components in popcorn. Open Agriculture, 2018, 3, 451-458.	1.7	2
327	Bacterial consortium for improved maize production under oily sludge. Agronomy Journal, 2020, 112, 4634-4647.	1.8	2
328	Assessment of differences in morphological and physiological leaf lodging characteristics between two cultivars of <i>Hippeastrum rutilum</i> . BMC Plant Biology, 2020, 20, 565.	3.6	2
329	A Review on Kentucky Bluegrass Responses and Tolerance to Drought Stress. , 0, , .		2
330	Critical Review of COVID-2019 in Italy and Impact on Its Economy. SSRN Electronic Journal, 0, , .	0.4	2
331	Advances in Input Management for Food and Environmental Security. , 2021, , 157-198.		2
332	Phosphorous and beneficial microorganism influence yield and yield components of wheat under full and limited irrigated conditions. Journal of Plant Nutrition, 2017, 40, 258-267.	1.9	1
333	Climate Change-Induced Irrigation Water Problems and Resolution Strategies: A Case Study. , 2022, , 179-194.		1
334	Water Management in Era of Climate Change. , 2022, , 167-178.		1
335	How Does Crop Rotation Influence Soil Moisture, Mineral Nitrogen, and Nitrogen Use Efficiency?. Frontiers in Plant Science, 2022, 13, 854731.	3.6	1
336	iTRAQ Proteomic Analysis of Wheat ( <i>Triticum aestivum</i> L.) Genotypes Differing in Waterlogging Tolerance. Frontiers in Plant Science, 2022, 13, 890083.	3.6	1
337	Mulching impact of <i>Jatropha curcas</i> L. leaves on soil fertility and yield of wheat under water stress. Scientific Reports, 2022, 12, .	3.3	1
338	Identification of <i>AtSND1</i> homologous <i>NAC</i> genes related to cotton fiber development, in silico analyses, and gene expression patterns. Food and Energy Security, 0, , .	4.3	1
339	Physio-biochemical, Anatomical and Functional responses of <i>Helianthus annuus</i> L. and <i>Brassica juncea</i> (Linn) to cypermethrin pesticide exposure. Journal of King Saud University - Science, 2022, , 102210.	3.5	1