

# Muhammad Aqeel

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7511310/publications.pdf>

Version: 2024-02-01

40  
papers

1,802  
citations

304602

22  
h-index

315616

38  
g-index

40  
all docs

40  
docs citations

40  
times ranked

1494  
citing authors

#	ARTICLE	IF	CITATIONS
1	Microplastics could be a threat to plants in terrestrial systems directly or indirectly. <i>Environmental Pollution</i> , 2020, 267, 115653.	3.7	226
2	Interactions and effects of microplastics with heavy metals in aquatic and terrestrial environments. <i>Environmental Pollution</i> , 2021, 290, 118104.	3.7	206
3	Aridity-driven shift in biodiversityâ€™soil multifunctionality relationships. <i>Nature Communications</i> , 2021, 12, 5350.	5.8	164
4	miRNA-based heavy metal homeostasis and plant growth. <i>Environmental Science and Pollution Research</i> , 2017, 24, 10068-10082.	2.7	91
5	Biotechnological Advancements for Improving Floral Attributes in Ornamental Plants. <i>Frontiers in Plant Science</i> , 2017, 8, 530.	1.7	91
6	miRNAs: Major modulators for crop growth and development under abiotic stresses. <i>Biotechnology Letters</i> , 2017, 39, 685-700.	1.1	77
7	Plant-insect-microbe interaction: A love triangle between enemies in ecosystem. <i>Science of the Total Environment</i> , 2020, 699, 134181.	3.9	67
8	CRISPR-Cas9: Tool for Qualitative and Quantitative Plant Genome Editing. <i>Frontiers in Plant Science</i> , 2016, 7, 1740.	1.7	65
9	Effects of road proximity on heavy metal concentrations in soils and common roadside plants in Southern California. <i>Environmental Science and Pollution Research</i> , 2018, 25, 35257-35265.	2.7	62
10	Elucidating the distinct interactive impact of cadmium and nickel on growth, photosynthesis, metal-homeostasis, and yield responses of mung bean ( <i>Vigna radiata</i> L.) varieties. <i>Environmental Science and Pollution Research</i> , 2021, 28, 27376-27390.	2.7	62
11	PRRs and NB-LRRs: From Signal Perception to Activation of Plant Innate Immunity. <i>International Journal of Molecular Sciences</i> , 2019, 20, 1882.	1.8	60
12	Basic leucine zipper domain transcription factors: the vanguards in plant immunity. <i>Biotechnology Letters</i> , 2017, 39, 1779-1791.	1.1	55
13	Zinc finger protein transcription factors: Integrated line of action for plant antimicrobial activity. <i>Microbial Pathogenesis</i> , 2019, 132, 141-149.	1.3	55
14	Sugar beet extract acts as a natural bio-stimulant for physio-biochemical attributes in water stressed wheat ( <i>Triticum aestivum</i> L.). <i>Acta Physiologiae Plantarum</i> , 2018, 40, 1.	1.0	50
15	Mitigation of lead toxicity in <i>Vigna radiata</i> genotypes by silver nanoparticles. <i>Environmental Pollution</i> , 2022, 308, 119606.	3.7	43
16	Study of the responses of two biomonitor plant species ( <i>Datura alba</i> & <i>Ricinus communis</i> ) to roadside air pollution. <i>Chemosphere</i> , 2019, 235, 832-841.	4.2	42
17	Effects of microplastics on growth and metabolism of rice ( <i>Oryza sativa</i> L.). <i>Chemosphere</i> , 2022, 307, 135749.	4.2	42
18	Plant hypersensitive response vs pathogen ingresson: Death of few gives life to others. <i>Microbial Pathogenesis</i> , 2020, 145, 104224.	1.3	36

#	ARTICLE	IF	CITATIONS
19	Vehicle pollution toxicity induced changes in physiology, defence system and biochemical characteristics of <i>Calotropis procera</i> L.. Chemistry and Ecology, 2018, 34, 565-581.	0.6	29
20	Molecular regulation of pepper innate immunity and stress tolerance: An overview of WRKY TFs. Microbial Pathogenesis, 2019, 135, 103610.	1.3	28
21	Effects of biotic and abiotic factors on forest biomass fractions. National Science Review, 2021, 8, nwab025.	4.6	28
22	System Biology of Metal Tolerance in Plants: An Integrated View of Genomics, Transcriptomics, Metabolomics, and Phenomics. , 2019, , 107-144.		25
23	Nitrogen Dynamics in Wetland Systems and Its Impact on Biodiversity. Nitrogen, 2021, 2, 196-217.	0.6	23
24	Rising Metals Concentration in the Environment: A Response to Effluents of Leather Industries in Sialkot. Bulletin of Environmental Contamination and Toxicology, 2021, 106, 493-500.	1.3	22
25	Physiological homeostasis for ecological success of <i>Typha</i> ( <i>Typha domingensis</i> Pers.) populations in saline soils. Physiology and Molecular Biology of Plants, 2021, 27, 687-701.	1.4	19
26	Growth attributes, biochemical modulations, antioxidant enzymatic metabolism and yield in <i>Brassica napus</i> varieties for salinity tolerance. Saudi Journal of Biological Sciences, 2021, 28, 5469-5479.	1.8	18
27	Impact of climate change on plant species richness across drylands in China: From past to present and into the future. Ecological Indicators, 2021, 132, 108288.	2.6	16
28	Foliar architecture and physio-biochemical plasticity determines survival of <i>Typha domingensis</i> pers. Ecotypes in nickel and salt affected soil. Environmental Pollution, 2021, 286, 117316.	3.7	15
29	Ecosystem organic carbon storage and their drivers across the drylands of China. Catena, 2022, 214, 106280.	2.2	13
30	Spike glycoproteins: Their significance for corona viruses and receptor binding activities for pathogenesis and viral survival. Microbial Pathogenesis, 2021, 150, 104719.	1.3	12
31	Insectsâ€“plants-pathogens: Toxicity, dependence and defense dynamics. Toxicon, 2021, 197, 87-98.	0.8	12
32	Crosstalk Between Plant miRNA and Heavy Metal Toxicity. , 2019, , 145-168.		11
33	Success of transgenic cotton ( <i>Gossypium hirsutum</i> L.): Fiction or reality?. Cogent Food and Agriculture, 2016, 2, .	0.6	6
34	<i>Hemarthria compressa</i> â€“ <i>Aspergillus niger</i> â€“ <i>Trichoderma pseudokoningii</i> Mediated Trilateral Perspective for Bioremediation and Detoxification of Industrial Paper Sludge. Sustainability, 2021, 13, 12266.	1.6	6
35	Structural, Biochemical, and Physiological Adjustments for Toxicity Management, Accumulation, and Remediation of Cadmium in Wetland Ecosystems by <i>Typha domingensis</i> Pers. Water, Air, and Soil Pollution, 2022, 233, .	1.1	6
36	Mediation of Growth and Metabolism of <i>Pisum sativum</i> in Salt Stress Potentially Be Credited to Thiamine. Journal of Soil Science and Plant Nutrition, 2022, 22, 2897-2910.	1.7	6

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37	Air pollution on highways and motorways perturbs carbon and nitrogen levels in roadside ecosystems. <i>Chemistry and Ecology</i> , 2020, 36, 868-880.	0.6	5
38	NPK could alleviate the adverse effects of simulated acid rain in sunflower ( <i>Helianthus annuus</i> L.). <i>Journal of Plant Nutrition</i> , 2018, 41, 584-595.	0.9	3
39	Regulation of <i>Capsicum</i> immunity against microbial pathogens: Transcription factors in focus. <i>Physiological and Molecular Plant Pathology</i> , 2020, 112, 101548.	1.3	3
40	Assessment of composition and spatial dynamics of weed communities in agroecosystem under varying edaphic factors. <i>PLoS ONE</i> , 2022, 17, e0266778.	1.1	2