

# Abdul Rehman

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4688543/publications.pdf>

Version: 2024-02-01

74  
papers

3,736  
citations

185998

28  
h-index

143772

57  
g-index

78  
all docs

78  
docs citations

78  
times ranked

3554  
citing authors

#	ARTICLE	IF	CITATIONS
1	Response of Phenylpropanoid Pathway and the Role of Polyphenols in Plants under Abiotic Stress. <i>Molecules</i> , 2019, 24, 2452.	1.7	999
2	Photosynthetic Response of Plants Under Different Abiotic Stresses: A Review. <i>Journal of Plant Growth Regulation</i> , 2020, 39, 509-531.	2.8	406
3	Role of 24-epibrassinolide (EBL) in mediating heavy metal and pesticide induced oxidative stress in plants: A review. <i>Ecotoxicology and Environmental Safety</i> , 2018, 147, 935-944.	2.9	235
4	Nickel; whether toxic or essential for plants and environment - A review. <i>Plant Physiology and Biochemistry</i> , 2018, 132, 641-651.	2.8	202
5	Zinc nutrition in wheat-based cropping systems. <i>Plant and Soil</i> , 2018, 422, 283-315.	1.8	152
6	Seed priming of Zn with endophytic bacteria improves the productivity and grain biofortification of bread wheat. <i>European Journal of Agronomy</i> , 2018, 94, 98-107.	1.9	136
7	Application of zinc improves the productivity and biofortification of fine grain aromatic rice grown in dry seeded and puddled transplanted production systems. <i>Field Crops Research</i> , 2018, 216, 53-62.	2.3	93
8	Pseudomonas-aided zinc application improves the productivity and biofortification of bread wheat. <i>Crop and Pasture Science</i> , 2018, 69, 659.	0.7	76
9	Regulation of photosynthesis under salt stress and associated tolerance mechanisms. <i>Plant Physiology and Biochemistry</i> , 2022, 178, 55-69.	2.8	76
10	Influence of Sesbania Brown Manuring and Rice Residue Mulch on Soil Health, Weeds and System Productivity of Conservation Rice-Wheat Systems. <i>Land Degradation and Development</i> , 2017, 28, 1078-1090.	1.8	66
11	Phytohormones as Growth Regulators During Abiotic Stress Tolerance in Plants. <i>Frontiers in Agronomy</i> , 2022, 4, .	1.5	63
12	Rice Responses and Tolerance to Metal/Metalloid Toxicity. , 2019, , 299-312.		61
13	Seed priming with zinc improves the germination and early seedling growth of wheat. <i>Seed Science and Technology</i> , 2015, 43, 262-268.	0.6	57
14	Improving resistance against terminal drought in bread wheat by exogenous application of proline and gamma-aminobutyric acid. <i>Journal of Agronomy and Crop Science</i> , 2017, 203, 464-472.	1.7	55
15	Evaluation of Fourteen Bread Wheat ( <i>Triticum aestivum</i> L.) Genotypes by Observing Gas Exchange Parameters, Relative Water and Chlorophyll Content, and Yield Attributes under Drought Stress. <i>Sustainability</i> , 2021, 13, 4799.	1.6	53
16	Zinc seed coating improves the growth, grain yield and grain biofortification of bread wheat. <i>Acta Physiologiae Plantarum</i> , 2016, 38, 1.	1.0	50
17	Crop diversification and saline water irrigation as potential strategies to save freshwater resources and reclamation of marginal soils—a review. <i>Environmental Science and Pollution Research</i> , 2020, 27, 28695-28729.	2.7	50
18	Comparison of conventional and conservation rice-wheat systems in Punjab, Pakistan. <i>Soil and Tillage Research</i> , 2017, 169, 35-43.	2.6	45

#	ARTICLE	IF	CITATIONS
19	Utilizing the Allelopathic Potential of Brassica Species for Sustainable Crop Production: A Review. <i>Journal of Plant Growth Regulation</i> , 2019, 38, 343-356.	2.8	44
20	Adequate zinc nutrition improves the tolerance against drought and heat stresses in chickpea. <i>Plant Physiology and Biochemistry</i> , 2019, 143, 11-18.	2.8	43
21	High intrinsic seed Zn concentration improves abiotic stress tolerance in wheat. <i>Plant and Soil</i> , 2019, 437, 195-213.	1.8	43
22	Agronomic Biofortification of Zinc in Pakistan: Status, Benefits, and Constraints. <i>Frontiers in Sustainable Food Systems</i> , 2020, 4, .	1.8	42
23	Zinc nutrition in chickpea ( <i>Cicer arietinum</i> ): a review. <i>Crop and Pasture Science</i> , 2020, 71, 199.	0.7	41
24	Salt Stress in Brassica: Effects, Tolerance Mechanisms, and Management. <i>Journal of Plant Growth Regulation</i> , 2022, 41, 781-795.	2.8	40
25	Characterizing bread wheat genotypes of Pakistani origin for grain zinc biofortification potential. <i>Journal of the Science of Food and Agriculture</i> , 2018, 98, 4824-4836.	1.7	38
26	Foliage-applied sodium nitroprusside and hydrogen peroxide improves resistance against terminal drought in bread wheat. <i>Journal of Agronomy and Crop Science</i> , 2017, 203, 473-482.	1.7	36
27	Zinc Application in Combination with Zinc Solubilizing <i>Enterobacter</i> sp. MN17 Improved Productivity, Profitability, Zinc Efficiency, and Quality of Desi Chickpea. <i>Journal of Soil Science and Plant Nutrition</i> , 2020, 20, 2133-2144.	1.7	36
28	Integrated use of seed priming and biochar improves salt tolerance in cowpea. <i>Scientia Horticulturae</i> , 2020, 272, 109507.	1.7	34
29	Morphological, physiological and biochemical aspects of osmopriming-induced drought tolerance in lentil. <i>Journal of Agronomy and Crop Science</i> , 2020, 206, 176-186.	1.7	32
30	Application of natural plant extracts improves the tolerance against combined terminal heat and drought stresses in bread wheat. <i>Journal of Agronomy and Crop Science</i> , 2017, 203, 528-538.	1.7	30
31	MANGANESE NUTRITION IMPROVES THE PRODUCTIVITY AND GRAIN BIOFORTIFICATION OF BREAD WHEAT IN ALKALINE CALCAREOUS SOIL. <i>Experimental Agriculture</i> , 2018, 54, 744-754.	0.4	30
32	Supra-optimal growth temperature exacerbates adverse effects of low Zn supply in wheat. <i>Journal of Plant Nutrition and Soil Science</i> , 2019, 182, 656-666.	1.1	28
33	Fiber yield and quality in cotton under drought: Effects and management. <i>Agricultural Water Management</i> , 2021, 255, 106994.	2.4	28
34	Effect of predicted climate change on growth and yield performance of wheat under varied nitrogen and zinc supply. <i>Plant and Soil</i> , 2019, 434, 231-244.	1.8	24
35	Soil Amendment with Arbuscular Mycorrhizal Fungi and Biochar Improves Salinity Tolerance, Growth, and Lipid Metabolism of Common Wheat ( <i>Triticum aestivum</i> L.). <i>Sustainability</i> , 2022, 14, 3210.	1.6	20
36	Sugarcane Distillery Spent Wash (DSW) as a Bio-Nutrient Supplement: A Win-Win Option for Sustainable Crop Production. <i>Agronomy</i> , 2021, 11, 183.	1.3	19

#	ARTICLE	IF	CITATIONS
37	Morphological, physiological and biochemical aspects of zinc seed priming-induced drought tolerance in faba bean. <i>Scientia Horticulturae</i> , 2021, 281, 109894.	1.7	19
38	Increasing sustainability for rice production systems. <i>Journal of Cereal Science</i> , 2022, 103, 103400.	1.8	19
39	Influence of Zn nutrition on the productivity, grain quality and grain biofortification of wheat under conventional and conservation rice-wheat cropping systems. <i>Archives of Agronomy and Soil Science</i> , 2020, 66, 1042-1057.	1.3	17
40	Zinc seed treatments improve productivity, quality and grain biofortification of desi and kabuli chickpea ( <i>Cicer arietinum</i> ). <i>Crop and Pasture Science</i> , 2020, 71, 668.	0.7	16
41	Integration of Seed Priming and Biochar Application Improves Drought Tolerance in Cowpea. <i>Journal of Plant Growth Regulation</i> , 2021, 40, 1972-1980.	2.8	16
42	Manganese nutrition improves the productivity and grain biofortification of fine grain aromatic rice in conventional and conservation production systems. <i>Paddy and Water Environment</i> , 2017, 15, 563-572.	1.0	13
43	Growth Stimulating Influence of Foliage Applied Brassica Water Extracts on Morphological and Yield Attributes of Bread Wheat under Different Fertilizer Regimes. <i>Planta Daninha</i> , 2018, 36, .	0.5	12
44	First report of <i>Nigrospora sphaerica</i> causing leaf spot of date palm in Pakistan. <i>Journal of Plant Pathology</i> , 2020, 102, 223-223.	0.6	11
45	Characterization and quantification of $\beta$ -oryzanol in Korean rice landraces. <i>Journal of Cereal Science</i> , 2019, 88, 150-156.	1.8	10
46	<i>Lentil</i> , 2021, , 408-428.		10
47	<i>Sustainable Agriculture and Food Security</i> , 2019, , 3-24.		8
48	The residual impact of straw mulch and biochar amendments on grain quality and amino acid contents of rainfed maize crop. <i>Journal of Plant Nutrition</i> , 2023, 46, 1283-1295.	0.9	8
49	Abiotic Stress Tolerance in Plants Through Pre-sowing Seed Treatments with Mineral Elements and Growth Regulators. , 2019, , 427-445.		7
50	Soil Application of Boron Improves the Tillering, Leaf Elongation, Panicle Fertility, Yield and its Grain Enrichment in Fine-Grain Aromatic Rice. <i>Journal of Plant Nutrition</i> , 2015, 38, 338-354.	0.9	6
51	First report of <i>Alternaria alternata</i> causing postharvest fruit rot of peach in Pakistan. <i>Journal of Plant Pathology</i> , 2019, 101, 209-209.	0.6	6
52	Residual zinc improves soil health, productivity and grain quality of rice in conventional and conservation tillage wheat-based systems. <i>Crop and Pasture Science</i> , 2020, 71, 322.	0.7	6
53	First Record of <i>Colletotrichum gloeosporioides</i> Causing Anthracnose of Banana in Pakistan. <i>Plant Disease</i> , 2021, 105, 2013.	0.7	6
54	Predicting the impact of environmental factors on citrus canker through multiple regression. <i>PLoS ONE</i> , 2022, 17, e0260746.	1.1	6

#	ARTICLE	IF	CITATIONS
---	---------	----	-----------

55	Sustainable Nutrient Management. , 2019, , 167-211.		5
----	---	--	---

56	Seed priming with zinc sulfate and zinc chloride affects physio-biochemical traits, grain yield and		
----	---	--	--

#	ARTICLE	IF	CITATIONS
73	Effects of ethanol on health and performance of poultry. World's Poultry Science Journal, 2021, 77, 91-104.	1.4	0
74	Brassinosteroids and cold stress tolerance in plants. , 2022, , 189-199.		0