

# M Ashraf

## List of Publications by Year in descending order

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182  
papers

20,494  
citations

26610

56  
h-index

10724

138  
g-index

182  
all docs

182  
docs citations

182  
times ranked

14821  
citing authors

#	ARTICLE	IF	CITATIONS
1	Roles of glycine betaine and proline in improving plant abiotic stress resistance. <i>Environmental and Experimental Botany</i> , 2007, 59, 206-216.	2.0	3,403
2	Heat tolerance in plants: An overview. <i>Environmental and Experimental Botany</i> , 2007, 61, 199-223.	2.0	2,804
3	Potential biochemical indicators of salinity tolerance in plants. <i>Plant Science</i> , 2004, 166, 3-16.	1.7	1,426
4	Photosynthesis under stressful environments: An overview. <i>Photosynthetica</i> , 2013, 51, 163-190.	0.9	1,420
5	Biotechnological approach of improving plant salt tolerance using antioxidants as markers. <i>Biotechnology Advances</i> , 2009, 27, 84-93.	6.0	830
6	Inducing drought tolerance in plants: Recent advances. <i>Biotechnology Advances</i> , 2010, 28, 169-183.	6.0	610
7	Gene Expression Profiling of Plants under Salt Stress. <i>Critical Reviews in Plant Sciences</i> , 2011, 30, 435-458.	2.7	590
8	Pre-sowing Seed Treatment—A Shotgun Approach to Improve Germination, Plant Growth, and Crop Yield Under Saline and Non-saline Conditions. <i>Advances in Agronomy</i> , 2005, 88, 223-271.	2.4	486
9	Breeding for Salinity Tolerance in Plants. <i>Critical Reviews in Plant Sciences</i> , 1994, 13, 17-42.	2.7	443
10	Some Prospective Strategies for Improving Crop Salt Tolerance. <i>Advances in Agronomy</i> , 2008, , 45-110.	2.4	337
11	Breeding for Salinity Tolerance in Plants. <i>Critical Reviews in Plant Sciences</i> , 1994, 13, 17-17.	2.7	332
12	Improving Salinity Tolerance in Cereals. <i>Critical Reviews in Plant Sciences</i> , 2013, 32, 237-249.	2.7	315
13	Cadmium-induced oxidative damage in mustard [ <i>Brassica juncea</i> (L.) Czern. & Coss.] plants can be alleviated by salicylic acid. <i>South African Journal of Botany</i> , 2011, 77, 36-44.	1.2	267
14	The Physiological, Biochemical and Molecular Roles of Brassinosteroids and Salicylic Acid in Plant Processes and Salt Tolerance. <i>Critical Reviews in Plant Sciences</i> , 2010, 29, 162-190.	2.7	262
15	Salinity Tolerance in Brassica Oilseeds. <i>Critical Reviews in Plant Sciences</i> , 2004, 23, 157-174.	2.7	249
16	Smart Engineering of Genetic Resources for Enhanced Salinity Tolerance in Crop Plants. <i>Critical Reviews in Plant Sciences</i> , 2016, 35, 146-189.	2.7	227
17	Relative membrane permeability and activities of some antioxidant enzymes as the key determinants of salt tolerance in canola ( <i>Brassica napus</i> L.). <i>Environmental and Experimental Botany</i> , 2008, 63, 266-273.	2.0	223
18	Induction of Drought Tolerance in Maize ( <i>Zea mays</i> L.) due to Exogenous Application of Trehalose: Growth, Photosynthesis, Water Relations and Oxidative Defence Mechanism. <i>Journal of Agronomy and Crop Science</i> , 2011, 197, 258-271.	1.7	202

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19	Thermotolerance of Pearl Millet and Maize at Early Growth Stages: Growth and Nutrient Relations. <i>Biologia Plantarum</i> , 2004, 48, 81-86.	1.9	160
20	Salt Tolerance of Cotton: Some New Advances. <i>Critical Reviews in Plant Sciences</i> , 2002, 21, 1-30.	2.7	155
21	Salt stress effects on growth, ion accumulation and seed oil concentration in an arid zone traditional medicinal plant ajwain ( <i>Trachyspermum ammi</i> [L.] Sprague). <i>Journal of Arid Environments</i> , 2006, 64, 209-220.	1.2	142
22	Chemical Composition and Antioxidant Activity of Seeds of Different Cultivars of Mungbean. <i>Journal of Food Science</i> , 2007, 72, S503-10.	1.5	125
23	Drought Tolerance. <i>Advances in Agronomy</i> , 2011, , 249-296.	2.4	124
24	Influence of sodium chloride on ion accumulation, yield components and fibre characteristics in salt-tolerant and salt-sensitive lines of cotton ( <i>Gossypium hirsutum</i> L.). <i>Field Crops Research</i> , 2000, 66, 115-127.	2.3	108
25	Salt Tolerance of Cotton: Some New Advances. <i>Critical Reviews in Plant Sciences</i> , 2002, 21, 1-30.	2.7	108
26	Relationships between leaf gas exchange characteristics and growth of differently adapted populations of Blue panicgrass ( <i>Panicum antidotale</i> Retz.) under salinity or waterlogging. <i>Plant Science</i> , 2003, 165, 69-75.	1.7	107
27	Variation in Salinity Tolerance in Sunflower ( <i>Helianthus annuus</i> L.). <i>Journal of Agronomy and Crop Science</i> , 1995, 174, 351-362.	1.7	104
28	Inducing salt tolerance in maize ( <i>Zea mays</i> L.) through seed priming with chloride salts: Growth and ion transport at early growth stages. <i>Acta Physiologiae Plantarum</i> , 2001, 23, 407-414.	1.0	101
29	Salt Tolerance in Selected Vegetable Crops. <i>Critical Reviews in Plant Sciences</i> , 2012, 31, 303-320.	2.7	99
30	Title is missing!. <i>Plant Growth Regulation</i> , 2002, 36, 49-59.	1.8	98
31	Alleviation of detrimental effects of NaCl by silicon nutrition in salt-sensitive and salt-tolerant genotypes of sugarcane ( <i>Saccharum officinarum</i> L.). <i>Plant and Soil</i> , 2010, 326, 381-391.	1.8	98
32	Organic substances responsible for salt tolerance in <i>Eruca sativa</i> . <i>Biologia Plantarum</i> , 1994, 36, 255-259.	1.9	95
33	Modulation of growth, photosynthetic capacity and water relations in salt stressed wheat plants by exogenously applied 24-epibrassinolide. <i>Plant Growth Regulation</i> , 2008, 56, 107-116.	1.8	95
34	Response of four Brassica species to drought stress. <i>Environmental and Experimental Botany</i> , 1990, 30, 93-100.	2.0	91
35	Exogenous Application of Glycinebetaine Modulates Activities of Antioxidants in Maize Plants Subjected to Salt Stress. <i>Journal of Agronomy and Crop Science</i> , 2010, 196, 28-37.	1.7	90
36	Effect of nitrogen application rate on the content and composition of oil, essential oil and minerals in black cumin ( <i>Nigella sativa</i> L.) seeds. <i>Journal of the Science of Food and Agriculture</i> , 2006, 86, 871-876.	1.7	89

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37	Responses of Some Newly Developed Salt-tolerant Genotypes of Spring Wheat to Salt Stress: 1. Yield Components and Ion Distribution. <i>Journal of Agronomy and Crop Science</i> , 1996, 176, 91-101.	1.7	88
38	Relationships between growth and gas exchange characteristics in some salt-tolerant amphidiploid Brassica species in relation to their diploid parents. <i>Environmental and Experimental Botany</i> , 2001, 45, 155-163.	2.0	83
39	Influence of Potassium Nutrition on Gas Exchange Characteristics and Water Relations in Cotton ( <i>Gossypium hirsutum</i> L.). <i>Photosynthetica</i> , 2004, 42, 251-255.	0.9	82
40	Variability in Salt Tolerance of Nine Spring Wheat Cultivars. <i>Journal of Agronomy and Crop Science</i> , 1988, 160, 14-21.	1.7	80
41	Screening of local/exotic accessions of lentil ( <i>Lens culinaris</i> Medic.) for salt tolerance at two growth stages. <i>Plant and Soil</i> , 1990, 128, 167-176.	1.8	79
42	Stress-Induced Changes in Wheat Grain Composition and Quality. <i>Critical Reviews in Food Science and Nutrition</i> , 2014, 54, 1576-1583.	5.4	79
43	Tolerance to high temperature in cotton ( <i>Gossypium hirsutum</i> L.) at initial growth stages. <i>Environmental and Experimental Botany</i> , 1994, 34, 275-283.	2.0	78
44	Salt-Induced Regulation of Some Key Antioxidant Enzymes and Physio-Biochemical Phenomena in Five Diverse Cultivars of Turnip ( <i>Brassica rapa</i> L.). <i>Journal of Agronomy and Crop Science</i> , 2010, 196, 273-285.	1.7	74
45	Responses of four Brassica species to sodium chloride. <i>Environmental and Experimental Botany</i> , 1990, 30, 475-487.	2.0	72
46	Changes in growth, photosynthetic capacity and ionic relations in spring wheat ( <i>Triticum aestivum</i> L.) due to pre-sowing seed treatment with polyamines. <i>Plant Growth Regulation</i> , 2005, 46, 19-30.	1.8	72
47	Exogenously-applied 5-aminolevulinic acid modulates some key physiological characteristics and antioxidative defense system in spring wheat ( <i>Triticum aestivum</i> L.) seedlings under water stress. <i>South African Journal of Botany</i> , 2015, 96, 71-77.	1.2	69
48	Exogenous application of humic acid mitigates salinity stress in maize ( <i>Zea mays</i> L.) plants by improving some key physico-biochemical attributes. <i>Cereal Research Communications</i> , 2018, 46, 67-78.	0.8	68
49	Selection and Heritability of Tolerance to Sodium Chloride in Four Forage Species 1. <i>Crop Science</i> , 1987, 27, 232-234.	0.8	67
50	Glycinebetaine Improved Photosynthesis in Canola under Salt Stress: Evaluation of Chlorophyll Fluorescence Parameters as Potential Indicators. <i>Journal of Agronomy and Crop Science</i> , 2015, 201, 428-442.	1.7	67
51	The effect of NaCl on water relations, chlorophyll, and protein and proline contents of two cultivars of blackgram ( <i>Vigna mungo</i> L.). <i>Plant and Soil</i> , 1989, 119, 205-210.	1.8	66
52	Salt (NaCl)-Induced Modulation in some Key Physio-Biochemical Attributes in Okra ( <i>Abelmoschus</i> ) Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50	1.7	66
53	THE POTENTIAL FOR EVOLUTION OF SALT (NaCl) TOLERANCE IN SEVEN GRASS SPECIES. <i>New Phytologist</i> , 1986, 103, 299-309.	3.5	64
54	Salt-Induced Changes in Two Canola Cultivars Differing in Salt Tolerance. <i>Biologia Plantarum</i> , 2003, 46, 629-632.	1.9	64

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55	Comparative salt tolerance of amphidiploid and diploid Brassica species. <i>Plant Science</i> , 2001, 160, 683-689.	1.7	62
56	Salinity Induced Changes in $\hat{\pm}$ -Amylase Activity During Germination and Early Cotton Seedling Growth. <i>Biologia Plantarum</i> , 2002, 45, 589-591.	1.9	62
57	Interactive effects of nitrate and long-term waterlogging on growth, water relations, and gaseous exchange properties of maize ( <i>Zea mays</i> L.). <i>Plant Science</i> , 1999, 144, 35-43.	1.7	61
58	DNA synthesis in osmoprimed leek ( <i>Allium porrum</i> L.) seeds and evidence for repair and replication. <i>Seed Science Research</i> , 1993, 3, 15-23.	0.8	58
59	Growth and Photosynthetic Characteristics in Pearl Millet under Water Stress and Different Potassium Supply. <i>Photosynthetica</i> , 2001, 39, 389-394.	0.9	57
60	Some key physiological and molecular processes of cold acclimation. <i>Biologia Plantarum</i> , 2016, 60, 603-618.	1.9	57
61	Gas exchange characteristics and water relations in two cultivars of <i>Hibiscus esculentus</i> under waterlogging. <i>Biologia Plantarum</i> , 2005, 49, 459-462.	1.9	56
62	Seed Preconditioning Modulates Growth, Ionic Relations, and Photosynthetic Capacity in Adult Plants of Hexaploid Wheat under Salt Stress. <i>Journal of Plant Nutrition</i> , 2007, 30, 381-396.	0.9	55
63	THE RESPONSE TO NaCl AND IONIC CONTENT OF SELECTED SALT-TOLERANT AND NORMAL LINES OF THREE LEGUME FORAGE SPECIES IN SAND CULTURE. <i>New Phytologist</i> , 1986, 104, 463-471.	3.5	54
64	Relationship Between Ion Accumulation and Growth in Two Spring Wheat Lines Differing in Salt Tolerance at Different Growth Stages. <i>Journal of Agronomy and Crop Science</i> , 1997, 178, 39-51.	1.7	54
65	Responses of Some Local/Exotic Accessions of Lentil ( <i>Lens culinaris</i> Medic.) to Salt Stress. <i>Journal of Agronomy and Crop Science</i> , 1993, 170, 103-112.	1.7	52
66	Regulation of some biochemical attributes in drought-stressed cauliflower ( <i>Brassica</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 307 Td (ol Biotechnology, 2016, 91, 129-137.	0.9	51
67	Response of salt stressed okra ( <i>Abelmoschus esculentus</i> Moench) plants to foliar-applied glycine betaine and glycine betaine containing sugarbeet extract. <i>South African Journal of Botany</i> , 2012, 83, 151-158.	1.2	50
68	Effect of Drought Stress on Growth, Water Relations, and Gas Exchange of Two Lines of Sunflower Differing in Degree of Salt Tolerance. <i>International Journal of Plant Sciences</i> , 1996, 157, 729-732.	0.6	48
69	Assessment of Genotypic Variation in Salt Tolerance of early CIMMYT Hexaploid Wheat Germplasm Using Photosynthetic Capacity and Water Relations as Selection Criteria. <i>Photosynthetica</i> , 2003, 41, 273-280.	0.9	47
70	Dry matter accumulation and partitioning in cotton ( <i>Gossypium hirsutum</i> L.) as influenced by potassium fertilization. <i>Biology and Fertility of Soils</i> , 2006, 43, 295-301.	2.3	47
71	Influence of nickel stress on growth and some important physiological/biochemical attributes in some diverse canola ( <i>Brassica napus</i> L.) cultivars. <i>Journal of Hazardous Materials</i> , 2009, 172, 964-969.	6.5	47
72	Beneficial role of acetylcholine in chlorophyll metabolism and photosynthetic gas exchange in <i>Nicotiana benthamiana</i> seedlings under salinity stress. <i>Plant Biology</i> , 2020, 22, 357-365.	1.8	47

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73	Strategies for Crop Improvement Against Salinity and Drought Stress: An Overview. Tasks for Vegetation Science, 2009, , 1-16.	0.6	44
74	Potassium and Silicon Improve Yield and Juice Quality in Sugarcane ( <i>Saccharum officinarum</i> L.) under Salt Stress. Journal of Agronomy and Crop Science, 2009, 195, 284-291.	1.7	44
75	Changes in Hormonal Balance: A Possible Mechanism of Pre-sowing Chilling-induced Salt Tolerance in Spring Wheat. Journal of Agronomy and Crop Science, 2010, 196, 440-454.	1.7	42
76	Comparative effects of applying leguminous and non-leguminous green manures and inorganic N on biomass yield and nitrogen uptake in flooded rice ( <i>Oryza sativa</i> L.). Biology and Fertility of Soils, 2004, 40, 147-152.	2.3	41
77	Glycinebetaine, an osmolyte of interest to improve water stress tolerance in sunflower ( <i>Helianthus</i> ) Tj ETQq1 1 0.784314 rgBT/Overlock 41	1.2	41
78	THE RESPONSE OF SELECTED SALT-TOLERANT AND NORMAL LINES OF FOUR GRASS SPECIES TO NaCl IN SAND CULTURE. New Phytologist, 1986, 104, 453-461.	3.5	40
79	Interactive effect of salt (NaCl) and nitrogen form on growth, water relations and photosynthetic capacity of sunflower ( <i>Helianthus annuus</i> L.). Annals of Applied Biology, 1999, 135, 509-513.	1.3	39
80	Combination Effect of NaCl Salinity and Nitrogen Form on Mineral Composition of Sunflower Plants. Biologia Plantarum, 2000, 43, 615-619.	1.9	37
81	Accession Variation for Salt Tolerance in Proso Millet ( <i>Panicum miliaceum</i> L.) Using Leaf Proline Content and Activities of Some Key Antioxidant Enzymes. Journal of Agronomy and Crop Science, 2011, 197, 340-347.	1.7	37
82	Growth and ion uptake of four Brassica species as affected by Na/Ca ratio in saline sand culture. Zeitschrift Fur Pflanzenernahrung Und Bodenkunde = Journal of Plant Nutrition and Plant Science, 1992, 155, 101-108.	0.4	36
83	Influence of Potassium Rates and Sources on Seed Cotton Yield and Yield Components of Some Elite Cotton Cultivars. Journal of Plant Nutrition, 2005, 27, 1295-1317.	0.9	36
84	Responses of some genetically diverse lines of chick pea ( <i>Cicer arietinum</i> L.) to salt. Plant and Soil, 1993, 154, 257-266.	1.8	35
85	Influence of Salt Stress on Growth, Ion Accumulation and Seed Oil Content in Sweet Fennel. Biologia Plantarum, 2004, 48, 461-464.	1.9	35
86	Salinity effects on five cultivars/lines of pearl millet ( <i>Pennisetum americanum</i> [L] leeke). Plant and Soil, 1987, 103, 13-19.	1.8	33
87	Variation in osmotic adjustment of accessions of lentil ( <i>Lens culinaris</i> Medic.) in response to drought stress. Acta Botanica Neerlandica, 1992, 41, 51-62.	1.0	33
88	The Potential for Exploiting Variation in Salinity Tolerance in Pearl Millet ( <i>Pennisetum americanum</i> ) Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50	1.0	33
89	Changes in Soluble Proteins in Spring Wheat Stressed with Sodium Chloride. Biologia Plantarum, 1999, 42, 113-117.	1.9	33
90	Influence of foliar-applied triacontanol on growth, gas exchange characteristics, and chlorophyll fluorescence at different growth stages in wheat under saline conditions. Photosynthetica, 2013, 51, 541-551.	0.9	32

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91	Mineral nutrient status of corn in relation to nitrate and long-term waterlogging. <i>Journal of Plant Nutrition</i> , 1999, 22, 1253-1268.	0.9	31
92	Influence of water stress and exogenous glycinebetaine on sunflower achene weight and oil percentage. <i>International Journal of Environmental Science and Technology</i> , 2005, 2, 155-160.	1.8	31
93	Interactive Effects of Sudden and Gradual Drought Stress and Foliar-applied Glycinebetaine on Growth, Water Relations, Osmolyte Accumulation and Antioxidant Defence System in Two Maize Cultivars Differing in Drought Tolerance. <i>Journal of Agronomy and Crop Science</i> , 2014, 200, 425-433.	1.7	31
94	Responses of some newly developed salt-tolerant genotypes of spring wheat to salt stress: II. Water relations and photosynthetic capacity. <i>Acta Botanica Neerlandica</i> , 1996, 45, 29-39.	1.0	30
95	Sorption of lead by chemically modified rice bran. <i>International Journal of Environmental Science and Technology</i> , 2013, 10, 1255-1264.	1.8	29
96	Ion distribution in leaves of salt-tolerant and salt-sensitive lines of spring wheat under salt stress. <i>Acta Botanica Neerlandica</i> , 1997, 46, 207-217.	1.0	28
97	Gas Exchange Characteristics and Water Relations in Some Elite Okra Cultivars Under Water Deficit. <i>Photosynthetica</i> , 2002, 40, 615-620.	0.9	28
98	Genetic Variation for Salinity Tolerance in Spring Wheat. <i>Hereditas</i> , 2004, 120, 99-104.	0.5	28
99	Salt-induced changes in photosynthetic activity and growth in a potential medicinal plant Bishop's weed ( <i>Ammi majus</i> L.). <i>Photosynthetica</i> , 2004, 42, 543-550.	0.9	28
100	Salt Tolerance in Okra: Ion Relations and Gas Exchange Characteristics. <i>Journal of Plant Nutrition</i> , 2003, 26, 63-79.	0.9	25
101	Physiological and biochemical aspects of pre-sowing heat stress on cottonseed. <i>Seed Science and Technology</i> , 2004, 32, 765-774.	0.6	24
102	Heritability of NaCl tolerance at the seedling stage in seven grass species. <i>Euphytica</i> , 1986, 35, 935-940.	0.6	23
103	Marker-Assisted Selection in Plant Breeding for Salinity Tolerance. , 2012, 913, 305-333.		23
104	Distribution of cations in leaves of salt-tolerant and salt-sensitive lines of sunflower under saline conditions. <i>Journal of Plant Nutrition</i> , 1995, 18, 2379-2388.	0.9	22
105	MODULATION OF PHYSIOLOGICAL AND BIOCHEMICAL METABOLITES IN SALT STRESSED RICE BY FOLIAR APPLICATION OF ZINC. <i>Journal of Plant Nutrition</i> , 2014, 37, 447-457.	0.9	22
106	TOLERANCE OF SODIUM CHLORIDE AND ITS GENETIC BASIS IN NATURAL POPULATIONS OF FOUR GRASS SPECIES. <i>New Phytologist</i> , 1986, 103, 725-734.	3.5	21
107	Growth and ion distribution in salt stressed <i>Melilotus indica</i> (L.) All. and <i>Medicago sativa</i> L.. <i>Flora: Morphology, Distribution, Functional Ecology of Plants</i> , 1994, 189, 207-213.	0.6	21
108	Responses of a salt-tolerant and a salt-sensitive line of sunflower to varying sodium/calcium ratios in saline sand culture. <i>Journal of Plant Nutrition</i> , 1997, 20, 361-377.	0.9	21

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109	Evolution of Approaches to Increase the Salt Tolerance of Crops. <i>Critical Reviews in Plant Sciences</i> , 2022, 41, 128-160.	2.7	21
110	Responses of three arid zone grass species to varying Na/Ca ratios in saline sand culture. <i>New Phytologist</i> , 1991, 119, 285-290.	3.5	20
111	Salt tolerance of pigeon pea ( <i>Cajanus cajan</i> (L.) Millsp.) at three growth stages. <i>Annals of Applied Biology</i> , 1994, 124, 153-164.	1.3	20
112	Relationship of photosynthetic capacity at the vegetative stage and during grain development with grain yield of two hexaploid wheat ( <i>Triticum aestivum</i> L.) cultivars differing in yield. <i>European Journal of Agronomy</i> , 2003, 19, 277-287.	1.9	20
113	Water relations and leaf gas exchange properties in some elite canola ( <i>Brassica napus</i> ) lines under salt stress. <i>Annals of Applied Biology</i> , 2003, 142, 307-316.	1.3	20
114	The potential for evolution of tolerance to sodium chloride, calcium chloride, magnesium chloride and seawater in four grass species. <i>New Phytologist</i> , 1989, 112, 245-254.	3.5	19
115	Differential waterlogging tolerance in three grasses of contrasting habitats: <i>Aeluropus lagopoides</i> (L.) Trin., <i>Cynodon dactylon</i> (L.) Pers. and <i>Leptochloa fusca</i> (L.) Kunth. <i>Environmental and Experimental Botany</i> , 1991, 31, 437-445.	2.0	19
116	Exploitation of genetic variation for improvement of salt tolerance in spring wheat. <i>Tasks for Vegetation Science</i> , 2002, , 113-121.	0.6	19
117	Influence of Exogenous Glycine Betaine on Gas Exchange and Biomass Production in Sunflower ( <i>Helianthus annuus</i> L.) under Water Limited Conditions. <i>Journal of Agronomy and Crop Science</i> , 2009, 195, 420-426.	1.7	19
118	Influence of Nitrogen Supply and Water Stress on Growth and Nitrogen, Phosphorus, Potassium and Calcium Contents in Pearl Millet. <i>Biologia Plantarum</i> , 2001, 44, 459-462.	1.9	18
119	EFFECT OF SUPPLEMENTAL POTASSIUM ( $K^{+}$ ) ON GROWTH, PHYSIOLOGICAL AND BIOCHEMICAL ATTRIBUTES OF WHEAT GROWN UNDER SALINE CONDITIONS. <i>Journal of Plant Nutrition</i> , 2013, 36, 443-458.	0.9	18
120	Salt tolerance of mung bean ( <i>Vigna radiata</i> (L.) Wilczek) at two growth stages. <i>Plant and Soil</i> , 1988, 110, 63-67.	1.8	17
121	Signal transduction and biotechnology in response to environmental stresses. <i>Biologia Plantarum</i> , 2017, 61, 401-416.	1.9	17
122	Does Salt Tolerance Vary in a Potential Oil-Seed Crop <i>Brassica carinata</i> at Different Growth Stages?. <i>Journal of Agronomy and Crop Science</i> , 1998, 181, 103-115.	1.7	15
123	Acetylcholine mechanism of action to enhance tolerance to salt stress in <i>Nicotiana benthamiana</i> . <i>Photosynthetica</i> , 2019, 57, 590-598.	0.9	15
124	Ion distribution in leaves of varying age in salt-tolerant lines of alfalfa under salt stress. <i>Journal of Plant Nutrition</i> , 1994, 17, 1463-1476.	0.9	14
125	Intra-specific Variation for Salt Tolerance in Linseed ( <i>Linum usitatissimum</i> L.). <i>Journal of Agronomy and Crop Science</i> , 1994, 173, 193-203.	1.7	14
126	Effects of Increased Supply of Potassium on Growth and Nutrient Content in Pearl Millet under Water Stress. <i>Biologia Plantarum</i> , 2002, 45, 141-144.	1.9	14



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127	Silicon and Potassium Nutrition Enhances Salt Adaptation Capability of Sunflower by Improving Plant Water Status and Membrane Stability. <i>Communications in Soil Science and Plant Analysis</i> , 2015, 46, 991-1005.	0.6	14
128	Salinization/sodification of soil and physiological dynamics of sunflower irrigated with saline "sodic water amending by potassium and farm yard manure. <i>Journal of Water Reuse and Desalination</i> , 2017, 7, 476-487.	1.2	14
129	Triple test cross analysis for some morphological traits in mungbean ( <i>Vigna radiata</i> (L.) Wilczek). <i>Euphytica</i> , 2002, 126, 413-420.	0.6	13
130	Tolerance of <i>Holcus lanatus</i> and <i>Agrostis stolonifera</i> to sodium chloride in soil solution and saline spray. <i>Plant and Soil</i> , 1986, 96, 77-84.	1.8	12
131	Responses of three arid zone grasses to N deficiency: A greenhouse study. <i>Arid Land Research and Management</i> , 1994, 8, 125-136.	0.3	12
132	Responses of four arid zone grass species from varying habitats to drought stress. <i>Biologia Plantarum</i> , 1995, 37, 567.	1.9	12
133	MODULATION IN YIELD AND JUICE QUALITY CHARACTERISTICS OF CITRUS FRUIT FROM TREES SUPPLIED WITH ZINC AND POTASSIUM FOLIARLY. <i>Journal of Plant Nutrition</i> , 2013, 36, 1996-2012.	0.9	12
134	Does pattern of ion accumulation vary in alfalfa at different growth stages?. <i>Journal of Plant Nutrition</i> , 1994, 17, 1443-1461.	0.9	11
135	Exploitation of Intra-Specific Genetic Variation for Improvement of Salt (NaCl) Tolerance in Upland Cotton ( <i>Gossypium Hirsutum</i> L.). <i>Hereditas</i> , 2004, 131, 253-256.	0.5	11
136	The effect of applied nitrogen on the growth and nutrient concentration of Kalonji ( <i>Nigella sativa</i> ). <i>Australian Journal of Experimental Agriculture</i> , 2005, 45, 459.	1.0	11
137	Registration of "Sâ€™ Spring Wheat with Improved Salt Tolerance. <i>Journal of Plant Registrations</i> , 2010, 4, 34-37.	0.4	11
138	Patterns of ion distribution in selected NaCl tolerant and normal lines of four grass species. <i>Biologia Plantarum</i> , 1990, 32, 302-312.	1.9	10
139	Effect of potassium deficiency on growth and some biochemical characteristics in two lines of lentil ( <i>Lens culinaris</i> Medic.). <i>Acta Physiologiae Plantarum</i> , 1997, 19, 9-15.	1.0	10
140	Potassium Substitution by Sodium in Root Medium Influencing Growth Behavior and Potassium Efficiency in Cotton Genotypes. <i>Journal of Plant Nutrition</i> , 2009, 32, 1657-1673.	0.9	10
141	Salt-induced changes in the growth, key physicochemical and biochemical parameters, enzyme activities, and levels of non-enzymatic anti-oxidants in cauliflower ( <i>Brassica oleracea</i> ). <i>Journal of Horticultural Science and Biotechnology</i> , 2013, 88, 231-241.	0.9	10
142	Plasma membrane H <sup>+</sup> -ATPase activity in salt-tolerant and salt-sensitive lines of spring wheat ( <i>Triticum aestivum</i> L.). <i>Acta Botanica Neerlandica</i> , 1997, 46, 315-324.	1.0	9
143	Translocation and recovery of 15 N-labelled N derived from foliar uptake of 15 NH <sub>3</sub> by rice ( <i>Oryza</i> ) Tj ETQq1 1 0.784314 rgBT /Overlook 2.3 9	0.784314	9
144	Salinity-induced changes in key anti-oxidant enzyme activities and in the levels of some anti-oxidants, osmo-protectants, inorganic ions, and chlorophyll pigments in okra fruit ( <i>Abelmoschus</i> ) Tj ETQq0 0 0 rgBT /Overlook 10 T650 57 Td (	0.0	0

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145	Nitric oxide accumulation and glycinebetaine metabolism in two osmotically stressed maize cultivars supplied with different nitrogen forms. <i>Biologia Plantarum</i> , 2015, 59, 183-186.	1.9	9
146	LEAF MICROMORPHOLOGY OF SEA CLIFF AND INLAND PLANTS OF <i>AGROSTIS STOLONIFERA</i> L. <i>DACTYLIS GLOMERATA</i> L. AND <i>HOLCUS LANATUS</i> L.. <i>New Phytologist</i> , 1987, 106, 261-269.	3.5	8
147	A potential source of variation for salt tolerance in spring wheat. <i>Hereditas</i> , 1991, 115, 115-120.	0.5	7
148	Intra-specific variation for salt tolerance in a potential oilseed crop, brown mustard ( <i>Brassica</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	2.3	7
149	Genetic Variation for Salt Tolerance in Sunflower ( <i>Helianthus annuum</i> L.). <i>Hereditas</i> , 2004, 123, 141-145.	0.5	7
150	Growth and Leaf Gas Exchange Characteristics in <i>Dalbergia sissoo</i> Roxb. and <i>D. latifolia</i> Roxb. Under Water Deficit. <i>Photosynthetica</i> , 2004, 42, 157-160.	0.9	7
151	Effects of Potassium Rates and Sources on Fiber Quality Parameters in Four Cultivars of Cotton Grown in Aridisols. <i>Journal of Plant Nutrition</i> , 2005, 27, 2235-2257.	0.9	7
152	Thermotolerance in plants: Potential physio-biochemical and molecular markers for crop improvement. <i>Environmental and Experimental Botany</i> , 2021, 186, 104454.	2.0	7
153	Photosynthetic Parameters at the Vegetative Stage and during Grain Development of Two Hexaploid Wheat Cultivars Differing in Salt Tolerance. <i>Biologia Plantarum</i> , 2002, 45, 401-407.	1.9	6
154	Selection for salt tolerance and its genetic basis in perennial ryegrass ( <i>Lolium perenne</i> L.). <i>Hereditas</i> , 1990, 113, 81-85.	0.5	6
155	Components of genetic variation of salt tolerance in chick pea ( <i>Cicer arietinum</i> L.). <i>Archives of Agronomy and Soil Science</i> , 1998, 42, 415-424.	1.3	5
156	Relationship between water retention capability and osmotic adjustment in sorghum ( <i>sorghum</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	0.3	5
157	Effect of seasonal variation on the copper status in a soil-plant-animal system. <i>Acta Agronomica Hungarica: an International Multidisciplinary Journal in Agricultural Science</i> , 2008, 56, 55-67.	0.2	5
158	Major Nutrients Supply in Legume Crops Under Stress Environments. , 2010, , 155-169.		5
159	Patterns of free carbohydrates and starch accumulation in the leaves of cotton ( <i>Gossypium</i> ) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5 Soil Science, 2000, 45, 1-9.	1.3	4
160	Cell Membrane Stability (CMS): A Simple Technique to Check Salt Stress Alleviation Through Seed Priming with GA3 in Canola. <i>Tasks for Vegetation Science</i> , 2009, , 117-127.	0.6	4
161	Evaluation of the usefulness of senescing agent potassium iodide for assessing inter-cultivar variation for drought tolerance in pearl millet [ <i>Pennisetum glaucum</i> (L.) R.Br.]. <i>Australian Journal of Experimental Agriculture</i> , 2003, 43, 1337.	1.0	4
162	Photosynthetic acclamatory response of <i>Panicum antidotale</i> Retz. populations to root zone desiccation stress. <i>Brazilian Journal of Biology</i> , 2021, 84, e252735.	0.4	4

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163	Organic solute status and water relations of some salt-tolerant and salt-sensitive accessions of lentil ( <i>Lens culinaris</i> ). <i>Acta Botanica Neerlandica</i> , 1993, 42, 63-72.	1.0	3
164	Response of three arid zone grasses to salt and waterlogging. <i>Arid Land Research and Management</i> , 1995, 9, 137-154.	0.3	3
165	Assessment of inter-cultivar/line variation of drought resistance in a potential oilseed crop, Ethiopian mustard ( <i>Brassica Carinata</i> A.Br.). <i>Archives of Agronomy and Soil Science</i> , 1998, 43, 251-265.	1.3	3
166	Response of Cotton to Potassium Fertilizer on Effectiveness of Fruiting Sites in Aridisols. <i>Journal of Plant Nutrition</i> , 2005, 28, 1023-1039.	0.9	3
167	Exogenous acetylcholine alleviates cadmium-induced phytotoxicity by modulating photosynthetic metabolism and antioxidant potential in tobacco ( <i>Nicotiana benthiana</i> ). <i>Photosynthetica</i> , 2020, 58, 984-994.	0.9	3
168	Inter-cultivar variation for salt (NaCl) tolerance in a potential oilseed crop ethiopian mustard ( <i>Brassica carinata</i> A. Br.). <i>Archives of Agronomy and Soil Science</i> , 1997, 42, 129-136.	1.3	2
169	Pattern of accumulation of some major and trace elements in salt-tolerant and salt-sensitive lines of lentil under nitrogen deficiency. <i>Journal of Plant Nutrition</i> , 1998, 21, 1067-1081.	0.9	2
170	Components of genetic variation of salt tolerance in pigeon pea ( <i>Cajanus cajan</i> (L.) Millsp.). <i>Archives of Agronomy and Soil Science</i> , 1998, 43, 409-416.	1.3	2
171	Water relations, gas exchange characteristics, and the level of some metabolites in two cultivars of spring wheat under different N regimes. <i>Acta Physiologiae Plantarum</i> , 2002, 24, 407-415.	1.0	2
172	Dry Matter and Nitrogen Distribution at Maturity of Three Rice ( <i>Oryza sativa</i> L.) Cultivars Exposed to Ammonia at Two Growth Stages. <i>Journal of Agronomy and Crop Science</i> , 2005, 191, 125-129.	1.7	2
173	Effect of Varying Nitrogen Regimes on Growth, Seed Yield, and Nutrient Accumulation in Isabgol. <i>Journal of Plant Nutrition</i> , 2006, 29, 535-542.	0.9	2
174	Evaluation of in vitro anticancer potential of pharmacological ethanolic plant extracts <i>Acacia modesta</i> and <i>Opuntia monacantha</i> against liver cancer cells. <i>Brazilian Journal of Biology</i> , 2022, 84, e252526.	0.4	2
175	Differences between blackgram ( <i>Vigna mungo</i> L.) cultivars in NaCl resistance. <i>Zeitschrift Fur Pflanzenernahrung Und Bodenkunde = Journal of Plant Nutrition and Plant Science</i> , 1990, 153, 15-20.	0.4	1
176	Physiological and biochemical aspects of tolerance of three grass species to varying Na <sup>+</sup> and Ca <sup>2+</sup> ratios. <i>Biologia Plantarum</i> , 1993, 35, 425.	1.9	1
177	Effect of nitrogen deficiency on growth and some biochemical characteristics in salt-tolerant and salt-sensitive lines of Lentil ( <i>lens culinaris</i> medic.). <i>Archives of Agronomy and Soil Science</i> , 1996, 40, 231-239.	1.3	1
178	Application of Mating Disruption Approach to Control Codling Moth ( <i>Cydia pomonella</i> L.) Damage to Apple Crops in Azad Kashmir, Pakistan. <i>Pakistan Journal of Biological Sciences</i> , 2007, 10, 1728-1732.	0.2	1
179	Accumulation of some essential nutrients by lentil ( <i>Lens culinaris</i> ) plants at low potassium regimes. <i>Arid Land Research and Management</i> , 1997, 11, 95-103.	0.3	0
180	Genotypic variation in drought resistance in sorghum ( <i>Sorghum bicolor</i> L. Moench). <i>Archives of Agronomy and Soil Science</i> , 1997, 41, 189-197.	1.3	0

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181	Transport and accumulation of ions in two spring wheat lines differing in salt tolerance. <i>Acta Physiologiae Plantarum</i> , 2000, 22, 103-110.	1.0	0
182	Effects of waterlogging on growth and some physiological parameters of four Brassica species. <i>Plant and Soil</i> , 1990, 122, 203-209.	1.8	0