

Antioxidant Enzyme Activities and Gene Expression Pa  
Bluegrass in Response to Drought and Post-drought Re

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Comparative Analysis of Proteomic Responses to Single and Simultaneous Drought and Heat Stress for Two Kentucky Bluegrass Cultivars. <i>Crop Science</i> , 2012, 52, 1246-1260.	1.8	10
2	Photosynthetic enzyme activities and gene expression associated with drought tolerance and post-drought recovery in Kentucky bluegrass. <i>Environmental and Experimental Botany</i> , 2013, 89, 28-35.	4.2	59
3	Antioxidant enzymatic activities and gene expression associated with heat tolerance in a cool-season perennial grass species. <i>Environmental and Experimental Botany</i> , 2013, 87, 159-166.	4.2	38
4	Different response on drought tolerance and post-drought recovery between the small-leaved and the large-leaved white clover ( <i>Trifolium repens</i> L.) associated with antioxidative enzyme protection and lignin metabolism. <i>Acta Physiologiae Plantarum</i> , 2013, 35, 213-222.	2.1	50
5	Effects of Heat Acclimation on Photosynthesis, Antioxidant Enzyme Activities, and Gene Expression in Orchardgrass under Heat Stress. <i>Molecules</i> , 2014, 19, 13564-13576.	3.8	34
6	Exogenous Spermidine Improves Seed Germination of White Clover under Water Stress via Involvement in Starch Metabolism, Antioxidant Defenses and Relevant Gene Expression. <i>Molecules</i> , 2014, 19, 18003-18024.	3.8	97
7	Comparative transcriptome sequencing of tolerant rice introgression line and its parents in response to drought stress. <i>BMC Genomics</i> , 2014, 15, 1026.	2.8	115
8	Differential activity and expression of antioxidant enzymes and alteration in osmolyte accumulation under high temperature stress in wheat seedlings. <i>Journal of Cereal Science</i> , 2014, 60, 653-659.	3.7	37
9	Drought resistance and DNA methylation of interspecific hybrids between <i>Fraxinus mandshurica</i> and <i>Fraxinus americana</i> . <i>Trees - Structure and Function</i> , 2014, 28, 1679-1692.	1.9	17
10	Osmolyte accumulation, antioxidant enzyme activities and gene expression patterns in leaves of orchardgrass during drought stress and recovery. <i>Grassland Science</i> , 2014, 60, 131-141.	1.1	3
11	Research Advances in Mechanisms of Turfgrass Tolerance to Abiotic Stresses: From Physiology to Molecular Biology. <i>Critical Reviews in Plant Sciences</i> , 2014, 33, 141-189.	5.7	162
12	Physiological characteristics, antioxidant enzyme activities, and gene expression in 2 spring canola ( <i>Brassica napus</i> L.) cultivars under drought stress conditions. <i>Turk Tarim Ve Ormancilik Dergisi/Turkish Journal of Agriculture and Forestry</i> , 2015, 39, 413-420.	2.1	21
13	Protective effect of spermidine on salt stress induced oxidative damage in two Kentucky bluegrass ( <i>Poa pratensis</i> L.) cultivars. <i>Ecotoxicology and Environmental Safety</i> , 2015, 117, 96-106.	6.0	100
14	Dynamic change of DNA methylation and cell redox state at different micropropagation phases in birch. <i>Trees - Structure and Function</i> , 2015, 29, 917-930.	1.9	5
15	Salt tolerance and alterations in cytosine methylation in the interspecific hybrids of <i>Fraxinus velutina</i> and <i>Fraxinus mandshurica</i> . <i>Euphytica</i> , 2015, 205, 721-737.	1.2	13
16	Gene expression and activity of antioxidant enzymes in barley ( <i>Hordeum vulgare</i> L.) under controlled severe drought. <i>Journal of Plant Interactions</i> , 2015, 10, 109-116.	2.1	71
17	Differential Activity and Expression Profile of Antioxidant Enzymes and Physiological Changes in Wheat ( <i>Triticum aestivum</i> L.) Under Drought. <i>Applied Biochemistry and Biotechnology</i> , 2015, 177, 1282-1298.	2.9	62
18	Antioxidant responses to waterlogging stress and subsequent recovery in two Kentucky bluegrass ( <i>Poa pratensis</i> L.) cultivars. <i>Acta Physiologiae Plantarum</i> , 2015, 37, 1.	2.1	19

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19	Specific peroxidases differentiate <i>Brachypodium distachyon</i> accessions and are associated with drought tolerance traits. <i>Annals of Botany</i> , 2016, 118, 259-270.	2.9	8
20	Morpho-physiological responses to dehydration stress of perennial ryegrass and tall fescue genotypes. <i>Functional Plant Biology</i> , 2017, 44, 612.	2.1	7
21	5-Aminolevulinic acid modulates antioxidant defense systems and mitigates drought-induced damage in Kentucky bluegrass seedlings. <i>Protoplasma</i> , 2017, 254, 2083-2094.	2.1	32
22	Drought tolerance in four-day-old seedlings of a drought-sensitive cultivar of wheat. <i>Journal of Plant Nutrition</i> , 2017, 40, 574-583.	1.9	9
23	Molecular responses to drought stress in plants. <i>Biologia Plantarum</i> , 2017, 61, 201-209.	1.9	171
24	Antioxidant defence system and physiological responses of Iranian crested wheatgrass ( <i>Agropyron</i> ) Tj ETQq1 1 0.784314 rgBT /Overl	2.1	21
25	Nitric oxide pretreatment enhances antioxidant defense and glyoxalase systems to confer PEG-induced oxidative stress in rapeseed. <i>Journal of Plant Interactions</i> , 2017, 12, 323-331.	2.1	67
26	Phenotypical and physiological study of near-isogenic durum wheat lines under contrasting water regimes. <i>South African Journal of Botany</i> , 2017, 108, 248-255.	2.5	11
27	Differential Responses of Polyamines and Antioxidants to Drought in a Centipede grass Mutant in Comparison to Its Wild Type Plants. <i>Frontiers in Plant Science</i> , 2017, 8, 792.	3.6	32
28	Auxin and Trinexapacetyl Impact on Root Viability and Hormone Metabolism in Creeping Bentgrass under Water Deficit. <i>Crop Science</i> , 2017, 57, S-130.	1.8	3
29	Physiological Responses to Soil Drying by Warm Season Turfgrass Species. <i>Crop Science</i> , 2017, 57, S-111.	1.8	17
30	No post-drought compensatory growth of corns with root cutting based on cytokinin induced by roots. <i>Agricultural Water Management</i> , 2018, 205, 9-20.	5.6	29
31	Effects of plant population density and root-induced cytokinin on the corn compensatory growth during post-drought rewetting. <i>PLoS ONE</i> , 2018, 13, e0198878.	2.5	10
32	Ethephon Seed Treatment Impacts on Drought Tolerance of Kentucky Bluegrass Seedlings. <i>HortTechnology</i> , 2018, 28, 319-326.	0.9	12
33	Phytostimulatory effect of silver nanoparticles (AgNPs) on rice seedling growth: An insight from antioxidative enzyme activities and gene expression patterns. <i>Ecotoxicology and Environmental Safety</i> , 2018, 161, 624-633.	6.0	164
34	Foliar application of exogenous polyamines to ameliorate drought-induced oxidative damage and physiological inhibition in <i>Toona ciliata</i> seedlings. <i>Australian Forestry</i> , 2019, 82, 139-150.	0.9	5
35	High-Temperature Stress and Metabolism of Secondary Metabolites in Plants. , 2019, , 391-484.		14
36	Fructan and antioxidant metabolisms in plants of <i>Lolium perenne</i> under drought are modulated by exogenous nitric oxide. <i>Plant Physiology and Biochemistry</i> , 2019, 145, 205-215.	5.8	22

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37	Using intervarietal substitution lines for the identification of wheat chromosomes involved in early responses to water-deficit stress. <i>PLoS ONE</i> , 2019, 14, e0221849.	2.5	2
38	Biosynthesis and Signal Transduction of ABA, JA, and BRs in Response to Drought Stress of Kentucky Bluegrass. <i>International Journal of Molecular Sciences</i> , 2019, 20, 1289.	4.1	59
39	Assessment of pearl millet genotypes for drought stress tolerance at early and late seedling stages. <i>Acta Physiologiae Plantarum</i> , 2019, 41, 1.	2.1	28
40	Analysis of wheat gene expression related to the oxidative stress response and signal transduction under short-term osmotic stress. <i>Scientific Reports</i> , 2019, 9, 2743.	3.3	64
41	Drought tolerance in alfalfa ( <i>Medicago sativa</i> L.) varieties is associated with enhanced antioxidative protection and declined lipid peroxidation. <i>Journal of Plant Physiology</i> , 2019, 232, 226-240.	3.5	83
42	Morpho-Physiological and Molecular Evaluation of Drought and Recovery in <i>Impatiens walleriana</i> Grown Ex Vitro. <i>Plants</i> , 2020, 9, 1559.	3.5	10
43	Effects of elevated carbon dioxide on drought tolerance and post-drought recovery involving rhizome growth in Kentucky bluegrass. <i>Crop Science</i> , 2020, 61, 3219.	1.8	6
44	Effect of Drought Stress at Reproductive Stages on Growth and Nitrogen Metabolism in Soybean. <i>Agronomy</i> , 2020, 10, 302.	3.0	60
45	Hydrogen peroxide potentiates defense system in presence of sulfur to protect chloroplast damage and photosynthesis of wheat under drought stress. <i>Physiologia Plantarum</i> , 2021, 172, 922-934.	5.2	20
46	Physiological response of diverse halophytes to high salinity through ionic accumulation and ROS scavenging. <i>International Journal of Phytoremediation</i> , 2021, 23, 1041-1051.	3.1	23
47	Biochemical Responses and Leaf Gas Exchange of Fig ( <i>Ficus carica</i> L.) to Water Stress, Short-Term Elevated CO <sub>2</sub> Levels and Brassinolide Application. <i>Horticulturae</i> , 2021, 7, 73.	2.8	5
48	Glucose-6-phosphate dehydrogenase and 6-phosphogluconate dehydrogenase genes of winter wheat enhance the cold tolerance of transgenic <i>Arabidopsis</i> . <i>Plant Physiology and Biochemistry</i> , 2021, 161, 86-97.	5.8	34
49	Antioxidant enzyme responses of Kentucky bluegrass to simulated athletic traffic stress. <i>Itsrj</i> , 0, , .	0.3	0
50	Effects of shading stress during the reproductive stages on photosynthetic physiology and yield characteristics of peanut ( <i>Arachis hypogaea</i> Linn.). <i>Journal of Integrative Agriculture</i> , 2021, 20, 1250-1265.	3.5	18
51	A Review on Kentucky Bluegrass Responses and Tolerance to Drought Stress. , 0, , .		2
52	Effect of Drought Stress on some of the Biochemical Characteristics of Three <i>Achillea</i> Populations ( <i>Achillea vermicularis</i> ). <i>Russian Journal of Biological Research</i> , 2015, 4, 68-80.	0.1	2
53	Effects of Cytokinin and Nitrogen on Drought Tolerance of Creeping Bentgrass. <i>PLoS ONE</i> , 2016, 11, e0154005.	2.5	59
54	Epichloe endophyte infection improved drought and heat tolerance of tall fescue through altered antioxidant enzyme activity. <i>European Journal of Horticultural Science</i> , 2017, 82, 90-97.	0.7	20

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55	Changes in Carbohydrate Metabolism in Two Kentucky Bluegrass Cultivars during Drought Stress and Recovery. <i>Journal of the American Society for Horticultural Science</i> , 2013, 138, 24-30.	1.0	22
56	Mitigation of Drought Stress Damage by Exogenous Application of a Non-Protein Amino Acid "Aminobutyric Acid on Perennial Ryegrass. <i>Journal of the American Society for Horticultural Science</i> , 2013, 138, 358-366.	1.0	77
57	Growth and Physiological Factors Involved in Interspecific Variations in Drought Tolerance and Postdrought Recovery in Warm- and Cool-season Turfgrass Species. <i>Journal of the American Society for Horticultural Science</i> , 2015, 140, 459-465.	1.0	5
58	Differential Responses of Antioxidants, Abscisic Acid, and Auxin to Deficit Irrigation in Two Perennial Ryegrass Cultivars Contrasting in Drought Tolerance. <i>Journal of the American Society for Horticultural Science</i> , 2015, 140, 562-572.	1.0	26
59	Rising Atmospheric Temperature Impact on Wheat and Thermotolerance Strategies. <i>Plants</i> , 2021, 10, 43.	3.5	40
60	Effects of drought on expression patterns of genes encoding the antioxidantenzymes associated with chloroplasts in wheat. <i>Biologia Plantarum</i> , 0, , .	1.9	0
61	Biochemical and molecular approach of oxidative damage triggered by water stress and rewatering in sunflower seedlings of two inbred lines with different ability to tolerate water stress. <i>Functional Plant Biology</i> , 2020, 47, 727.	2.1	1
62	Special issue in honour of Prof. Reto J. Strasser "Improving tolerance in seedlings of some Polish varieties of <i>Dactylis glomerata</i> to water deficit by application of simulated drought during seed germination. <i>Photosynthetica</i> , 2020, 58, 540-548.	1.7	8
63	Foliar Application of Cytokinin Modulates Gas Exchange Features, Water Relation and Biochemical Responses to Improve Growth Performance of Maize under Drought Stress. <i>Phyton</i> , 2022, 91, 633-649.	0.7	1
64	Effects of Nano-Cerium Oxide on Seed Germination and Seedling Growth of <i>Vitex negundo</i> . <i>Phyton</i> , 2020, 89, 893-903.	0.7	2
65	tae-miR399-<i>UBC24</i> Module Enhances Freezing Tolerance in Winter Wheat via a CBF Signaling Pathway. <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 13398-13415.	5.2	12
66	Spermidine Suppressed the Inhibitory Effects of Polyamines Inhibitors Combination in Maize ( <i>Zea mays</i> ) Tj ETQq1 1,0,784314 rgBT /Ove	3.5	8
67	Assessing the potential of native ecotypes of <i>Poa pratensis</i> L. for forage yield and phytochemical compositions under water deficit conditions. <i>Scientific Reports</i> , 2022, 12, 1121.	3.3	4
68	Impact of Rice Husk Biochar on Drought Stress Tolerance in Perennial Ryegrass ( <i>Lolium perenne</i> L.). <i>Journal of Plant Growth Regulation</i> , 2023, 42, 810-826.	5.1	7
69	Reactive oxygen species (ROS) and response of antioxidants as ROS-scavengers in contrasting rice ( <i>Oryza sativa</i> L.) genotypes under drought stress. <i>Oryza</i> , 2022, 59, 39-50.	0.4	0
70	What happens after drought ends: synthesizing terms and definitions. <i>New Phytologist</i> , 2022, 235, 420-431.	7.3	27
71	Physiological, biochemical and metabolomic mechanisms of mitigation of drought stress-induced tobacco growth inhibition by spermidine. <i>Industrial Crops and Products</i> , 2022, 181, 114844.	5.2	9
72	Oxidative damage, antioxidant mechanism and gene expression in tomato responding to salinity stress under in vitro conditions and application of iron and zinc oxide nanoparticles on callus induction and plant regeneration. <i>BMC Plant Biology</i> , 2021, 21, 597.	3.6	41

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73	Isolation and expression analysis of ascorbate peroxidase (APX) gene in lentil ( <i>Lens culinaris</i> Medik.) under drought stress conditions. <i>Ege A�eniversitesi Ziraat Fak�ltesi Dergisi</i> , 2022, 59, 439-447.	0.4	0
74	Growth and physiological effects of chitosan on heat tolerance in creeping bentgrass ( <i>Agrostis stolonifera</i> ). <i>Grass Research</i> , 2022, 2, 1-7.	1.7	6
76	Influences of Natural Antioxidants, Reactive Oxygen Species and Compatible Solutes of <i>Panicum Miliaceum</i> L. Towards Drought Stress. <i>Cell Biochemistry and Biophysics</i> , 2023, 81, 141-149.	1.8	1
77	Triticale ( <i>X Triticosecale</i> Wittmack): Role and Responses Under Abiotic Stress. , 2022, , 209-228.		1
78	Pretreatment of NaCl enhances the drought resistance of cotton by regulating the biosynthesis of carotenoids and abscisic acid. <i>Frontiers in Environmental Science</i> , 0, 10, .	3.3	1
79	Ecotoxicological and biochemical effects of di(2-ethylhexyl)phthalate on wheat (Jimai 22, <i>Triticum</i> ) Tj ETQq1 1 0.784314 rgBT <sub>7</sub> /Overlook	12.4	7
80	Ethionine-mitigation of drought stress associated with changes in root viability, antioxidant defense, osmotic adjustment, and endogenous hormones in tall fescue. <i>Plant Growth Regulation</i> , 2023, 100, 119-132.	3.4	5
81	Differential responses of wheat genotypes to irrigation regimes through antioxidant defense system, grain yield, gene expression, and grain fatty acid profile. <i>Cereal Research Communications</i> , 0, , .	1.6	0
82	Transcriptome and metabolites analysis of water�stressed grape berries at different growth stages. <i>Physiologia Plantarum</i> , 2023, 175, .	5.2	3
83	Metabolomic and transcriptomic responses of <i>Adiantum</i> ( <i>Adiantum nelumboides</i> ) leaves under drought, half-waterlogging, and rewater conditions. <i>Frontiers in Genetics</i> , 0, 14, .	2.3	2
84	Foliar Application of Carnosine and Chitosan Improving Drought Tolerance in Bermudagrass. <i>Agronomy</i> , 2023, 13, 442.	3.0	5
85	Physio-Chemical Properties Responses of Six <i>Fonio</i> Genotypes ( <i>Digitaria exilis</i> and <i>D. iburua</i> ) Subjected to Drought Stress Conditions. <i>Advanced Research in Life Sciences</i> , 2023, 7, 22-32.	0.4	0
86	Correlation Between Gene Expression and Antioxidant Enzyme Activity in Plants Tolerant to Water Stress: A Systematic Review. <i>Plant Molecular Biology Reporter</i> , 2023, 41, 512-525.	1.8	2
87	Comparative analysis of drought-responsive biochemical and transcriptomic mechanisms in two <i>Dendrobium officinale</i> genotypes. <i>Industrial Crops and Products</i> , 2023, 199, 116766.	5.2	1
88	Antioxidant enzymes of <i>Pseudochlorella pringsheimii</i> under two stressors: variation of SOD Isoforms activity. <i>Journal of Plant Research</i> , 2023, 136, 755-767.	2.4	3
89	Specific <i>Streptomyces</i> strain enhances the growth, defensive mechanism, and fruit quality of cucumber by minimizing its fertilizer consumption. <i>BMC Plant Biology</i> , 2023, 23, .	3.6	0
90	Effects of simulated drought stress on the growth and physiological and biochemical parameters of <i>Paspalum wettsteinii</i> . <i>Acta Physiologiae Plantarum</i> , 2023, 45, .	2.1	1
92	A newly isolated <i>Bacillus pumilus</i> strain SH-9 modulates response to drought stress in soybean via endogenous phytohormones and gene expression (Daegu, South Korea). <i>Plant Stress</i> , 2023, 10, 100279.	5.5	4