Roles of glycine betaine and proline in improving plant abiotic stress resistance

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186	Pyramiding Submergence Tolerance and Three Bacterial Blight Resistance Genes in Popular Rice Variety Hasanta through Marker-Assisted Backcross Breeding. **2022**, 12, 1815	1
185	Drought-tolerant Sphingobacterium changzhouense Alv associated with Aloe vera mediates drought tolerance in maize (Zea mays). **2022**, 38,	0
184	Understanding the salinity stress on plant and developing sustainable management strategies mediated salt-tolerant plant growth-promoting rhizobacteria and CRISPR/Cas9. 1-37	4
183	R2R3 MYB Transcription Factor, AhMYB94 Plays a Crucial Role in Stress adaptation of a Salt Susceptible Groundnut Cultivar-K6.	0
182	Effect of Salt Stress on Growth and Physiological Properties of Asparagus Seedlings. **2022**, 11, 2836	0

181	Maintenance of Tissue Water Status, Osmoregulation, and Antioxidant Defence System Improves Heat Tolerance in Okra Genotypes with Contrast Heat Tolerance.	0
180	Combined transcriptomic and physiological metabolomic analyses elucidate key biological pathways in the response of two sorghum genotypes to salinity stress. 13,	0
179	Mechanistic modeling reveals the importance of turgor-driven apoplastic water transport in wheat stem parenchyma during carbohydrate mobilization.	0
178	ORF355 confers enhanced salinity stress adaptability to CMS-S maize by modulating the mitochondrial metabolic homeostasis.	0
177	Use of images for early identification of water stress. 16,	0
176	Physiological and ecological characteristics and reproductive responses of Phragmites australis to dry-wet conditions in inland saline marshes of Northeast China. 10, e14269	0
175	Application of peanut shell biochar increases rice yield in saline-alkali paddy fields by regulating leaf ion concentrations and photosynthesis rate.	0
174	Combined full-length transcriptomic and metabolomic analysis reveals the regulatory mechanisms of adaptation to salt stress in asparagus. 13,	0
173	Genetic and morpho-physiological analyses of the tolerance and recovery mechanisms in seedling stage spring wheat under drought stress. 13,	2
172	Wood Vinegar Impact on the Growth and Low-Temperature Tolerance of Rapeseed Seedlings. **2022**, 12, 2453	1
171	The Influence of Flag Leaf Removal and Its Characteristics on Main Yield Components and Yield Quality Indices on Wheat. **2022**, 12, 2545	0
170	The essential role of Jasmonate Signaling in Solanum habrochaites rootstock-mediated cold tolerance in tomato grafts.	0
169	Proline Alleviates Abiotic Stress Induced Oxidative Stress in Plants.	0
168	Simultaneously evaluation of physiological and biochemical responses in the leaves and roots of common Iranian bermudagrass [Cynodon dactylon L. (Pers.)] accessions that can tolerate a wide range of temperature fluctuations.	0
167	Selection of Lentil (Lens Culinaris (Medik.)) Genotypes Suitable for High-Temperature Conditions Based on Stress Tolerance Indices and Principal Component Analysis. **2022**, 12, 1719	0
166	Influences of Natural Antioxidants, Reactive Oxygen Species and Compatible Solutes of Panicum Miliaceum L. Towards Drought Stress.	0
165	Potential use of endophytic and rhizosheath bacteria from the desert plant Stipagrostis pennata as biostimulant against drought in wheat cultivars. **2022**, 24, 100617	0
164	A synthesis of functional contributions of rhizobacteria to growth promotion in diverse crops. **2022**, 24, 100611	0

163	Foliar application of hydrogen peroxide (H2O2) modulates growth, inorganic ion and osmolyte accumulation of soybean (Glycine max) cultivars under drought stress. **2022**, 151, 425-432	0
162	Transcriptomic analysis reveals the mechanism of low/high temperature resistance in an outstanding diet alga Nannochloropsis oceanica. **2022**, 27, 101365	0
161	Chickpea C2H2-Type Zinc Finger Protein ZF2 is a Positive Regulator in Drought Response in Arabidopsis. **2023**, 92, 577-590	0
160	Estimation of microwave sterilization on bacteria and fungi in contact with the some seeds surface and germination based on different time. **2022**,	0
159	Funneliformis constrictum modulates polyamine metabolism to enhance tolerance of Zea mays L. to salinity. **2023**, 266, 127254	3
158	Impact of Natural and Synthetic Plant Stimulants on Moringa Seedlings Grown under Low-Temperature Conditions. 76, 50-59	0
157	Mitigation of Salinity Stress Effects on Growth, Physio-Chemical Parameters and Yield of Snapbean (<i>Phaseolus vulgaris</i> L.) by Exogenous Application of Glycine Betaine. 76, 60-71	0
156	Upregulation of genes encoding plastidic isoforms of antioxidant enzymes and osmolyte synthesis impart tissue tolerance to salinity stress in bread wheat. **2022**, 28, 1639-1655	0
155	Aspirin regulates oxidative stress and physio-biochemical attributes in Brassica juncea under cadmium toxicity. **2022**, 10, 1180-1187	0
154	Appraisal of new Raya (Brassica Juncea L.) Genotypes for Their Suitability in Arid Climatic Conditions. **2022**, 3, 287-293	0
153	The mechanism underlying the response of Agarophyton vermiculophyllum to desiccationâ€ehydration stress. **2022**, 103599	0
152	Mitigation of low temperature stress and plant growth promotion in barley (Hordeum vulgare L.) by inoculation of psychrotrophic P-solubilizing Serratia nematodiphila EU-PW75.	0
151	Simultaneous Action of Silymarin and Dopamine Enhances Defense Mechanisms Related to Antioxidants, Polyamine Metabolic Enzymes, and Tolerance to Cadmium Stress in Phaseolus vulgaris. **2022**, 11, 3069	0
150	Rare earth element scandium mitigates the chromium toxicity in Lemna minor by regulating photosynthetic performance, hormonal balance and antioxidant machinery. **2022**, 120636	0
149	Phytoextracts as Crop Biostimulants and Natural Protective Agentsâ€A Critical Review. **2022**, 14, 14498	4
148	Organic Solutes in Cereals Under Abiotic Stress. **2022**, 29-50	0
147	The role of artificial intelligence strategies to mitigate abiotic stress and climate change in crop production. **2023**, 273-293	1
146	Cereals and Organic Fertilizers Under Abiotic Stress. **2022**, 275-289	0

145	Can ionic liquids exist in the soil environment? Effect of quaternary ammonium cations on glyphosate sorption, mobility and toxicity in the selected herbicidal ionic liquids. **2023**, 370, 120981	0
144	Exogenous proline boosts the co-accumulation of astaxanthin and biomass in stress-induced Haematococcus pluvialis. **2023**, 369, 128488	0
143	Proline-functionalized graphene oxide nanoparticles (GO-Pro NPs): A new engineered nanoparticle to ameliorate salinity stress on grape (Vitis vinifera L. cv Sultana). **2023**, 7, 100128	0
142	Contributions of Beneficial Microorganisms in Soil Remediation and Quality Improvement of Medicinal Plants. **2022**, 11, 3200	1
141	Plant Growth Stimulators Improve Two Wheat Cultivars Salt-Tolerance: Insights into Their Physiological and Nutritional Responses. **2022**, 11, 3198	0
140	Transcriptome analysis reveals key drought-stress-responsive genes in soybean. 13,	0
139	Regulation of salt tolerance in the roots of Zea mays by L-histidine through transcriptome analysis. 13,	1
138	The Role of Micro-Irrigation Systems in Date Palm Production and Quality: Implications for Sustainable Investment. **2022**, 12, 2018	1
137	Wheat genotypes with higher yield sensitivity to drought overproduced proline and lost minor biomass under severer water stress. 13,	0
136	Genetic analysis and physiological relationships of drought response in fennel: Interaction with mating system. **2022**, 17, e0277926	0
135	Effects of Salt Stress on the Antioxidant Activity and Malondialdehyde, Solution Protein, Proline, and Chlorophyll Contents of Three Malus Species. **2022**, 12, 1929	1
134	Morpho-physiological and demographic responses of three threatened Ilex species to changing climate aligned with species distribution models in future climate scenarios. **2023**, 195,	0
133	Farklı Ekim Zamanlarının Selvi Sirken Bitkisinin Tohum Verimi ve Bazı Verim Unsurları Üzerine Etkisi.	0
132	Insight of PBZ mediated drought amelioration in crop plants. 13,	0
131	Agro-Morphological, Yield and Biochemical Responses of Selected Wheat (Triticum aestivum L.) Genotypes to Salt Stress. **2022**, 12, 3027	0
130	Brassinosteroids or proline can alleviate yield inhibition under salt stress via modulating physio-biochemical activities and antioxidant systems in snap bean. 1-14	0
129	Morphological and Physiological Responses of In Vitro-Grown Cucurbita sp. Landraces Seedlings under Osmotic Stress by Mannitol and PEG. **2022**, 8, 1117	0
128	Impacts of Drought Stress on Some Physiological Features of Two Important Grapevine Cultivars (Vitis vinefera cv; âMaghutiâ and âBidanesefidâ)	0

127	Physiological and Biochemical Changes in Vegetable and Field Crops under Drought, Salinity and Weeds Stresses: Control Strategies and Management. **2022**, 12, 2084	1
126	1 H-NMR Metabolomics Analysis of Arabidopsis thaliana Exposed to Perfluorooctanoic Acid and Perfluoroctanesulfonic Acid.	0
125	The interactions of iron nutrition, salinity and ultraviolet-B radiation on the physiological responses of wheat (Triticum aestivum L.). **2022**, 105201	0
124	Postharvest chitosan-arginine nanoparticles application ameliorates chilling injury in plum fruit during cold storage by enhancing ROS scavenging system activity. **2022**, 22,	0
123	Callus Induction and Plant Regeneration from Carum copticum and Assessment of Antioxidant Responses and Phytochemical Profiling by In Vitro Salinity Stress. **2023**, 9, 22	0
122	Biofertilizer Role in Alleviating the Deleterious Effects of Salinity on Wheat Growth and Productivity.	0
121	Salt stress proteins in plants: An overview. 13,	5
120	Role of Endogenous Salicylic Acid as a Hormonal Intermediate in the Bacterial Endophyte Bacillus subtilis-Induced Protection of Wheat Genotypes Contrasting in Drought Susceptibility under Dehydration. **2022**, 11, 3365	0
119	ThASR3 confers salt and osmotic stress tolerances in transgenic Tamarix and Arabidopsis. **2022**, 22,	0
118	Microbial Inoculants as Plant Biostimulants: A Review on Risk Status. **2023**, 13, 12	1
117	Deteriorating Harmful Effects of Drought in Cucumber by Spraying Glycinebetaine. **2022**, 12, 2166	0
116	Salicylic acid increases tolerance of Vigna mungo cv. T9 to short-term drought stress. **2023**, 45,	0
115	Effect of exogenous selenium on mineral nutrition and antioxidative capacity in cucumber (Cucumis sativus L.) seedlings under cadmium stress. **2022**, 68, 580-590	0
114	Grafting promoted antioxidant capacity and carbon and nitrogen metabolism of bitter gourd seedlings under heat stress. 13,	0
113	Enzymatic antioxidant activity and physiological responses of local swamp rice cultivars from Kalimantan-Indonesia under iron toxicity during vegetative stage.	0
112	Effects of ultrasonic waves on seedling growth, biochemical constituents, genetic stability of fenugreek (Trigonella foenum-graecum) under salinity stress.	0
111	Endophytic fungi Aspergillus spp. reduce fusarial wilt disease´severity, enhance growth, metabolism and stimulate the plant defense system in pepper plants.	0
110	Responses of tree growth, leaf area and physiology to pavement in Ginkgo biloba and Platanus orientalis. 13,	0

109	Estimation of DNA damage in the roots of Allium cepa exposed to heavy metals using comet assay. **2022**, 7, 1-6	0
108	Grazing intensity and nitrogen fertilization effects on biomass and morphology of black oat roots in an integrated crop-livestock system.	0
107	CONSTANS-LIKE 1a positively regulates salt and drought tolerance in soybean.	0
106	Biocontrol and plant growth promotion by combined Bacillus spp. inoculation affecting pathogen and AMF communities in the wheat rhizosphere at low salt stress conditions. 13,	0
105	Ectomycorrhizal Fungi Modulate Pedunculate Oakâ Heat Stress Responses through the Alternation of Polyamines, Phenolics, and Osmotica Content. **2022**, 11, 3360	1
104	Analysis of Salt Stress Mitigation by Selenium Application in Proso Millet.	0
103	Exogenous Diethylaminoethyl Hexanoate Highly Improved the Cold Tolerance of Early japonica Rice at Booting. **2022**, 12, 3045	0
102	DROUGHT-INDUCED BRANCHED-CHAIN AMINO ACID AMINOTRANSFERASE enhances drought tolerance in rice.	0
101	Salt stress in plants and amelioration strategies: alleviation of agriculture and livelihood risks after the Covid-19 pandemic.	0
100	Early Antioxidative Response to Desiccant-Stimulated Drought Stress in Field-Grown Traditional Wheat Varieties. **2023**, 12, 249	0
99	The Role of Nanoparticles in Response of Plants to Abiotic Stress at Physiological, Biochemical, and Molecular Levels. **2023**, 12, 292	2
98	Plant salt response: Perception, signaling, and tolerance. 13,	1
97	Drought, salt, and combined stresses in plants: Effects, tolerance mechanisms, and strategies. **2022** ,	0
96	Adjustment of the Structure of the Simplest Amino Acid Present in Natureâglycine, toward More Environmentally Friendly Ionic Forms of Phenoxypropionate-Based Herbicides. **2023**, 24, 1360	0
95	Transcriptome and Physio-Biochemical Profiling Reveals Differential Responses of Rice Cultivars at Reproductive-Stage Drought Stress. **2023**, 24, 1002	0
94	Hedypnois cretica L. and Urospermum picroides L. Plant Growth, Nutrient Status and Quality Characteristics under Salinity Stress. **2023**, 9, 65	0
93	Role of Sodium Nitroprusside on Potential Mitigation of Salt Stress in Centaury (Centaurium erythraea Rafn) Shoots Grown In Vitro. **2023**, 13, 154	0
92	Improved salt-tolerance of transgenic soybean by stable over-expression of AhBADH gene from Atriplex hortensis.	0

91	Simultaneously evaluation of physiological and biochemical responses in the leaves and roots of Iranian common bermudagrass [Cynodon dactylon L. (Pers.)] accessions under a wide range of temperature fluctuations.	0
90	Effectiveness of Natural Antioxidants on Physiological, Anatomical Changes and Controlling Downy, Powdery Mildew and Rust Diseases in Pea Plants. **2023**, 22, 25-36	1
89	Early response of Solanum nigrum L. to Lumax and castor oil combination in relation to antioxidant activity, osmolyte concentration and chlorophyll a fluorescence. **2023**, 13,	0
88	Role of chitosan nanoparticles in combating Fusarium wilt (Fusarium oxysporum f. sp. ciceri) of chickpea under changing climatic conditions.	0
87	Epigenomics in stress tolerance of plants under the climate change.	0
86	Physiological and transcriptome profiling analyses reveal important roles of Streptomyces rochei D74 in improving drought tolerance of Puccinellia distans (Jacq.) Parl. **2023**, 207, 105204	0
85	Drought hardening effect on improving transplant stress tolerance in Pinus densiflora. **2023**, 207, 105222	0
84	Glycine betaine inhibits postharvest softening and quality decline of winter jujube fruit by regulating energy and antioxidant metabolism. **2023**, 410, 135445	0
83	Short-Term Limited Water Irrigation Influences the Photosynthetic Pigments, Enzymatic and Non-Enzymatic Activities in Saccharum spontaneum L. at Vegetative Stage. **2023**, 25, 110-118	0
82	Effects of Salinity and Proline On Growth and Physiological Characteristics of Three Olive Cultivars.	0
81	Physiological and transcriptome analyses of the effects of excessive water deficit on malic acid accumulation in apple.	0
80	Fertilisation with compost mitigates salt stress in tomato by affecting plant metabolomics and nutritional profiles. **2022**, 9,	0
79	Minimizing the Adverse Impact of Drought on Corn by Applying Foliar Potassium Humate Combined with Chitosan.	0
78	Advancement of transgenic wheat (Triticum aestivum L.) to survive against abiotic stresses in the era of the changing climate. **2023**, 357-374	0
77	How does silicon help alleviate biotic and abiotic stresses in plants? Mechanisms and future prospects. **2023**, 359-402	0
76	Rhizobacterial-mediated tolerance to plants upon abiotic stresses. **2023**, 305-323	0
75	Water relations and yield characteristics of mungbean as influenced by foliar application of gibberellic acid (GA3). 11,	0
74	Acclimatization of non-cultivated rice landraces to early moisture stress mediated by enzymatic antioxidants and osmolyte accumulation. **2023**, 47, 102623	0

73	Role of proline in regulating turfgrass tolerance to abiotic stress. **2023**, 1-7	0
72	Role of glycine betaine in the protection of plants against environmental stresses. **2023**, 127-158	0
71	Modulation of NaCl-induced osmotic, cytogenetic, oxidative and anatomic damages by coronatine treatment in onion (Allium cepa L.). **2023**, 13,	0
70	Indole-3-acetic acid, a hormone potentially involved in chilling-induced seed browning of pepper (Capsicum annuum L.) fruit during cold storage. **2023**, 199, 112299	0
69	Evaluation of Proline Amount, Yield and Expression of Genes Involved in Drought Stress in Maize Cultivars. **2022**, 14, 56-64	0
68	Glycine Betaine. 12, 139-156	0
67	Interpretation of morpho-physiological and biochemical responses of winter wheat under different sodium chloride concentrations.	0
66	Effect of deficit irrigation on physiological, biochemical, and yield characteristics in three baby corn cultivars (Zea mays L.). **2023**, e15477	0
65	Evolutionary footprints of cold adaptation in arctic-alpine Cochlearia (Brassicaceae) â Evidence from freezing experiments and electrolyte leakage. **2023**, 59, 125728	0
64	In vitro application of proline in potato tubers under newly emerging bacteria Lelliottia amnigena infection. **2023**, 178, 106053	0
63	Iron oxide (Fe2O3) nanoparticles alleviate PEG-simulated drought stress in grape (Vitis vinifera L.) plants by regulating leaf antioxidants. **2023**, 312, 111847	0
62	Assessment of cumulative microbial respiration and their ameliorative role in sustaining maize growth under salt stress. **2023**, 196, 33-42	0
61	Bioactive Compounds, Antioxidant Activity, and Mineral Content of Wild Rocket (Diplotaxis tenuifolia L.) Leaves as Affected by Saline Stress and Biostimulant Application. **2023**, 13, 1569	0
60	PtrbZIP3 transcription factor regulates drought tolerance of Populus trichocarpa. **2023**, 208, 105231	0
59	Exogenous Application of Salicylic Acid Improves Physiological and Biochemical Attributes of Morus alba Saplings under Soil Water Deficit. **2023**, 14, 236	0
58	Effect of Radionuclides and Trace Elements on Antioxidant System of Brown Seaweeds. **2023**, 110,	0
57	Photosynthetic activity and metabolic profiling of bread wheat cultivars contrasting in drought tolerance. 14,	0
56	Exogenous application of Bradyrhizobium japonicum AC20 enhances soybean tolerance to atrazine via regulating rhizosphere soil microbial community and amino acid, carbohydrate metabolism related genes expression. **2023**, 196, 472-483	0

55	Prohexadione calcium enhances rice growth and tillering under NaCl stress. 11, e14804	0
54	Alleviation of cold stress in wheat with psychrotrophic phosphorus solubilizing Acinetobacter rhizosphaerae EU-KL44. **2023**, 54, 371-383	0
53	Transcriptomic, osmoregulatory and translocation changes modulates Ni toxicity in Theobroma cacao. **2023**, 196, 624-633	0
52	Physio-Chemical Properties Responses of Six Fonio Genotypes (Digitaria exilis and D. iburua) Subjected to Drought Stress Conditions. **2023**, 7, 22-32	0
51	Changes in physio-biochemical parameters and expression of metallothioneins in Avena sativa L. in response to drought. **2023**, 13,	0
50	Cloning and expression of tonoplast membrane intrinsic protein genes in leaves of Vitis heyneana and overexpression of VhTIP2;1 in Arabidopsis confer drought tolerance. **2023**, 45,	0
49	Comparative Analysis of Morphological, Physiological, Anatomic and Biochemical Responses in Relatively Sensitive Zinnia elegans â Zinnita Scarletâ and Relatively Tolerant Zinnia marylandica âDouble Zahara Fire Improvedâunder Saline Conditions. **2023**, 9, 247	0
48	Higher nitrogen application during rice growth increased yield and the biosynthesis of 2-acetyl-1-pyrroline under low light conditions. **2023**, 293, 108846	0
47	Circadian Clock Contributes to Modulate Salinity Stress-Responsive Antioxidative Mechanisms and Chloroplast Proteome in Spinacia oleracea. **2023**, 13, 429	0
46	Salicylic Acid: A Phenolic Molecule with Multiple Roles in Salt-Stressed Plants.	0
45	CuO Nanoparticle-Mediated Seed Priming Improves Physio-Biochemical and Enzymatic Activities of Brassica juncea. **2023**, 12, 803	0
44	Promising management strategies to improve crop sustainability and to amend soil salinity. 10,	0
43	In vitro selection for drought and salt stress tolerance in rice: an overview.	0
42	Improving physiological and biochemical responses of dryland canola by selenium foliar application and supplemental irrigation. **2023**, 45,	0
41	Synergistic Impact of Melatonin and Putrescine Interaction in Mitigating Salinity Stress in Snap Bean Seedlings: Reduction of Oxidative Damage and Inhibition of Polyamine Catabolism. **2023**, 9, 285	0
40	Overexpression of TgERF1, a Transcription Factor from Tectona grandis, Increases Tolerance to Drought and Salt Stress in Tobacco. **2023**, 24, 4149	0
39	Microbial Mitigation of Abiotic Stress in Crops. **2023**, 197-241	0
38	Exogenous Salicylic Acid Improves Growth and Physiological Status of Two Pistacia Species Under Salinity Stress.	0

37	The Morpho-Physiological Responses of a Tolerant and Sensitive Wheat Cultivar to Drought Stress and Exogenous Methyl Jasmonate.	0
36	Mitigation Effects of Proline and Glycine Betaine to Green Onion Under Flooding Stress.	0
35	Use of a Biostimulant to Mitigate the Effects of Excess Salinity in Soil and Irrigation Water in Tomato Plants. **2023**, 12, 1190	0
34	Effect of drought on aquaporin expression in grafted and ungrafted grapevine cultivars. **2023**, 38, 35-42	0
33	Role of Osmolytes in Alleviation of Oxidative Stress. **2023**, 173-202	0
32	The evaluation of deep eutectic solvents and ionic liquids as cosolvents system for improving cellulase properties. **2023**, 197, 116555	0
31	Assessing Drought Tolerance of Newly Developed Tissue-Cultured Canola Genotypes under Varying Irrigation Regimes. **2023**, 13, 836	1
30	CiXTH29 and CiLEA4 Role in Water Stress Tolerance in Cichorium intybus Varieties. **2023**, 12, 444	0
29	Development of Halotolerant Microbial Consortia for Salt Stress Mitigation and Sustainable Tomato Production in Sodic Soils: An Enzyme Mechanism Approach. **2023**, 15, 5186	0
28	Growth, physiological, and molecular responses of three phaeophyte extracts on salt-stressed pea (Pisum sativum L.) seedlings. **2023**, 21,	0
27	EXOGENOUS APPLICATION OF GROWTH PROMOTING SUBSTANCES IMPROVES GROWTH, YIELD AND QUALITY OF SPRING MAIZE (ZEA MAYS L.) HYBRIDS UNDER LATE SOWN CONDITIONS. **2023**, 2017, 9	0
26	Differences in Physiological Characteristics, Seed Germination, and Seedling Establishment in Response to Salt Stress between Dimorphic Seeds in the Halophyte Suaeda liaotungensis. **2023**, 12, 1408	0
25	Boron alleviates the aluminum toxicity in buckwheat by regulating antioxidant defense system and maintaining osmotic balance.	0
24	Functional Dissection of the Physiological Traits Promoting Durum Wheat (Triticum durum Desf.) Tolerance to Drought Stress. **2023**, 12, 1420	0
23	Synergistic effect of glycine betain-ZnO nanocomposite in vitro for the amelioration of drought stress in coriander.	0
22	Seed Priming with Glutamic-Acid-Functionalized Iron Nanoparticles Modulating Response of Vigna radiata (L.) R. Wilczek (Mung Bean) to Induce Osmotic Stress. **2023**, 14, 736	0
21	Prevention of Chilling Injury in Pomegranates Revisited: Pre- and Post-Harvest Factors, Mode of Actions, and Technologies Involved. **2023**, 12, 1462	0
20	Protein pattern and physiological responses to drought stress in wheat landraces.	0

19	Effects of Photoperiod and Drought on Flowering and Growth Development of Protein-Rich Legumes under Atlantic Environments. **2023**, 13, 1025	0
18	Physiological changes in lupine plants in response to salt stress and nitric oxide signal.	0
17	In vitro response of shoots multiplications of date palm Phoenix dactylifera L. Cv Shakar to Jasmonic acid application under salinity stress. **2023**,	0
16	Effects of Salt Stress on Growth, Proline and Mineral Content in Native Desert Species. **2023**, 15, 6232	0
15	Evaluation of Drought Responses in Two Tropaeolum Species Used in Landscaping through Morphological and Biochemical Markers. **2023**, 13, 960	0
14	Genome-Wide Identification and Analysis of Stress Response of Trehalose-6-Phosphate Synthase and Trehalose-6-Phosphate Phosphatase Genes in Quinoa. **2023**, 24, 6950	0
13	Zinc supplementation and light intensity affect 2-acetyl-1-pyrroline (2AP) formation in fragrant rice. **2023**, 23,	0
12	The Effect of Glycine Betaine on Nitrogen and Polyamine Metabolisms, Expression of Glycoside-Related Biosynthetic Enzymes, and K/Na Balance of Stevia under Salt Stress. **2023**, 12, 1628	0
11	Exogenous Application of Salicylic Acid Improve Growth and Some Physio-Biochemical Parameters in Herbicide Stressed Phaseolus vulgaris L..	0
10	Effect of Salicylic Acid and Nano-Silicon of the Enzymatic Activity for Potato Shoots Grown Under Salt Stress in Vitro. **2023**, 1158, 102006	0
9	Effect of Tipping and Foliar Application of Proline and Botminn Plus on Yield and Quality of Grapevine (Vitis vinifera L.) cv. Khoshnaw. **2023**, 1158, 042071	0
8	A Fine-Tuning of the Plant Hormones, Polyamines and Osmolytes by Ectomycorrhizal Fungi Enhances Drought Tolerance in Pedunculate Oak. **2023**, 24, 7510	0
7	Effect of Silicone Application on the Ratio of Volatile Oil, Physical Properties and Active Substances of Mentha piperita L. Under Saline Stress Conditions. **2023**, 1158, 042023	0
6	Nano-Hydroxyapatite and ZnO-NPs Mitigate Pb Stress in Maize. **2023**, 13, 1174	0
5	Physiological Characterization of Tripidium arundinaceum and Sugarcane (Saccharum spp.) Germplasm for Salinity Stress Tolerance at the Formative Stage. **2023**, 15, 6962	0
4	Proline as an osmolyte modulates changes in morphological and physiological attributes of Capsicum annuum l. under water stress. **2023**,	0
3	Polar Metabolites Profiling of Wheat Shoots (Triticum aestivum L.) under Repeated Short-Term Soil Drought and Rewatering. **2023**, 24, 8429	0
2	Sett priming with salicylic acid improves salinity tolerance of sugarcane (Saccharum officinarum L.) during early stages of crop development. **2023**, 9, e16030	0

1	New insights into short-term water stress tolerance through transcriptomic and metabolomic analyses on pepper roots. **2023**, 333, 111731	0