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## Comparative physiology of salt and water stress

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2135	Plant aquaporins: new perspectives on water and nutrient uptake in saline environment. <b>2006</b> , 8, 535-46		68
2134	Are Root Hydraulic Conductivity Responses to Salinity Controlled by Aquaporins in Broccoli Plants?. <b>2006</b> , 279, 13-23		51
2133	Alleviation of salt stress in Lotus glaber by Glomus intraradices. <b>2006</b> , 285, 279-287		117
2132	New perspective on the mechanism of alleviating salt stress by spermidine in barley seedlings. <b>2006</b> , 49, 147-156		28
2131	Water relations and photosynthesis in Cucumis sativus L. leaves under salt stress. <b>2006</b> , 50, 610-616		136
2130	The ectomycorrhizal fungus Scleroderma bermudense alleviates salt stress in seagrape (Coccoloba uvifera L.) seedlings. <b>2006</b> , 16, 559-565		36
2129	Expression analysis of barley (Hordeum vulgare L.) during salinity stress. <b>2006</b> , 6, 143-56		119
2128	Changes in gene expression in maize kernel in response to water and salt stress. <b>2006</b> , 25, 71-9		65

2127	Monitoring expression profiles of antioxidant genes to salinity, iron, oxidative, light and hyperosmotic stresses in the highly salt tolerant grey mangrove, <i>Avicennia marina</i> (Forsk.) Vierh. by mRNA analysis. <b>2006</b> , 25, 865-76	79
2126	Effect of CaCl <sub>2</sub> on growth performance, photosynthetic efficiency and nitrogen assimilation of <i>Cichorium intybus</i> L. grown under NaCl stress. <b>2006</b> , 28, 137-147	30
2125	Response of three Glycine species to salt stress. <b>2006</b> , 56, 120-125	63
2124	Effect of salinity on growth, photosynthesis, water relations and solute composition of the potential cash crop halophyte <i>Plantago coronopus</i> (L.). <b>2006</b> , 56, 136-146	290
2123	Leaf H <sup>+</sup> -ATPase activity and photosynthetic capacity of <i>Cakile maritima</i> under increasing salinity. <b>2006</b> , 57, 285-295	100
2122	Recharge processes drive sulfate reduction in an alluvial aquifer contaminated with landfill leachate. <b>2006</b> , 86, 239-61	28
2121	Salt tolerance in a <i>Juncus roemerianus</i> brackish marsh: Spatial variations in plant water relations. <b>2006</b> , 337, 1-12	45
2120	Root Osmotic Adjustment under Osmotic Stress in Maize Seedlings. 2. Mode of Accumulation of Several Solutes for Osmotic Adjustment in the Root. <b>2006</b> , 9, 39-46	32
2119	ECOPHYSIOLOGY OF PLANTS IN DRY ENVIRONMENTS. <b>2006</b> , 47-65	11
2118	Effect of Salinization of Soil on Growth and Nutrient Accumulation in Seedlings of <i>Prosopis cineraria</i> . <b>2006</b> , 29, 283-303	30
2117	Salt-resistant and salt-sensitive wheat genotypes show similar biochemical reaction at protein level in the first phase of salt stress. <b>2006</b> , 169, 542-548	36
2116	Comparative Salt Tolerance Of Perennial Grasses. <b>2008</b> , 239-253	6
2115	Calcium regulation of sodium hypersensitivities of <i>sos3</i> and <i>athkt1</i> mutants. <b>2006</b> , 47, 622-33	68
2114	The association among gene expression responses to nine abiotic stress treatments in <i>Arabidopsis thaliana</i> . <b>2006</b> , 174, 1811-24	92
2113	Root plasma membrane transporters controlling K <sup>+</sup> /Na <sup>+</sup> homeostasis in salt-stressed barley. <b>2007</b> , 145, 1714-25	357
2112	Differential regulation of sorbitol and sucrose loading into the phloem of <i>Plantago major</i> in response to salt stress. <b>2007</b> , 144, 1029-38	96
2111	The Phi Thickening in Roots of Broccoli Plants: An Acclimation Mechanism to Salinity?. <b>2007</b> , 168, 1141-1149	39
2110	Growth of Avocado Plants Under Saline Conditions. <b>2007</b> , 7, 59-75	4

2109	Response of mannitol-producing <i>Arabidopsis thaliana</i> to abiotic stress. <b>2007</b> , 34, 382-391	55
2108	Growth, Gas Exchange, Chlorophyll Fluorescence, and Ion Content of Naked Oat in Response to Salinity. <b>2007</b> , 47, 123-131	121
2107	Enhancement in Salt Tolerance of Japanese Pear by Using <i>Pyrus betulaefolia</i> Rootstock. <b>2007</b> , 6, 47-52	9
2106	Salinity-induced changes in growth, superoxide dismutase activity, and ion content of two olive cultivars. <b>2007</b> , 170, 398-403	15
2105	Salinity tolerance of <i>Arabidopsis</i> : a good model for cereals?. <b>2007</b> , 12, 534-40	103
2104	Pre-conditioning ornamental plants to drought by means of saline water irrigation as related to salinity tolerance. <b>2007</b> , 113, 52-59	44
2103	Constitutive expression of ABR17 cDNA enhances germination and promotes early flowering in <i>Brassica napus</i> . <b>2007</b> , 173, 521-532	6
2102	The impact of saline water irrigation management options in a dune sand on available soil water and its salinity. <b>2007</b> , 88, 63-72	20
2101	Alteration of oxidative and carbohydrate metabolism under abiotic stress in two rice ( <i>Oryza sativa</i> L.) genotypes contrasting in chilling tolerance. <b>2007</b> , 164, 157-67	178
2100	Alternative oxidase regulation in roots of <i>Vigna unguiculata</i> cultivars differing in drought/salt tolerance. <b>2007</b> , 164, 718-27	49
2099	Physiological and biochemical responses of <i>Scytonema javanicum</i> (cyanobacterium) to salt stress. <b>2007</b> , 71, 312-320	59
2098	Nitrogen, Phosphorus, and Sulfur Nutrition in Broccoli Plants Grown Under Salinity. <b>2007</b> , 30, 1855-1870	14
2097	Recent Advances in Breeding For Drought and Salt Stress Tolerance in Soybean. <b>2007</b> , 739-773	28
2096	Growth and photosynthetic responses to salinity of the salt-marsh shrub <i>Atriplex portulacoides</i> . <b>2007</b> , 100, 555-63	187
2095	Overcoming the Stressful Effects of Salinity and Acidity on Soybean Nodulation and Yields Using Signal Molecule Genistein Under Field Conditions. <b>2007</b> , 30, 1967-1992	105
2094	Sensitivities of Stress Indicators for Available Soil Water and Its Salinity and for Sorghum Leaf Water Potential under Drip Irrigation. <b>2007</b> , 39, 46-64	2
2093	Differential Growth Response to Salt Stress Among Selected Ornamentals. <b>2007</b> , 30, 1109-1126	17
2092	Impact du NaCl sur la croissance et la nutrition de la variété de blé dur Massa cultivée en milieu hydroponique. <b>2007</b> , 154, 101-116	2

2091	Cultivar-dependent cell wall modification of strawberry fruit under NaCl salinity stress. <b>2007</b> , 55, 7580-5	17
2090	Low-affinity Na <sup>+</sup> uptake in the halophyte <i>Suaeda maritima</i> . <b>2007</b> , 145, 559-71	131
2089	Changes in growth and activity of enzymes involved in nitrate reduction and ammonium assimilation in tomato seedlings in response to NaCl stress. <b>2007</b> , 99, 1143-51	88
2088	Plant Growth And Development Under Salinity Stress. <b>2007</b> , 1-32	113
2087	Root Signaling in Response to Drought and Salinity. <b>2007</b> , 317-331	3
2086	Plant response to the soil environment: An analytical model integrating yield, water, soil type, and salinity. <b>2007</b> , 43,	75
2085	Identifying water stress-response mechanisms in citrus by in silico transcriptome analysis. <b>2007</b> , 30, 888-905	6
2084	Hyperspectral reflectance response of freshwater macrophytes to salinity in a brackish subtropical marsh. <b>2007</b> , 36, 780-9	93
2083	Emergence and growth of corn and soybean under saline stress. <b>2007</b> , 64, 451-459	12
2082	Crescimento, parti de matria seca e reten de Na <sup>+</sup> , K <sup>+</sup> e Cl <sup>-</sup> em dois gentipos de sorgo irrigados com guas salinas. <b>2007</b> , 31, 961-971	29
2081	Produtividade do feij-de-corda e acmulo de sais no solo em fun da fra de lixivia e da salinidade da gua de irriga. <b>2007</b> , 27, 702-713	25
2080	Salinity reduced growth PS2 photochemistry and chlorophyll content in radish. <b>2007</b> , 64, 111-118	100
2079	Influncia do tempo de aclimata na resposta do cajueiro  salinidade. <b>2007</b> , 11, 173-179	2
2078	Xylem sap analysis reveals new facts of salt tolerance in rice genotypes. <b>2007</b> , 19, 185-192	2
2077	Towards the Development of Salt-Tolerant Potato. <b>2007</b> , 415-437	5
2076	Differences in behavior of salt tolerant and salt and water deficiency tolerant wheat genotypes when subjected to various salinity levels. <b>2007</b> , 35, 63-70	2
2075	Understanding molecular mechanism of higher plant plasticity under abiotic stress. <b>2007</b> , 54, 37-45	72
2074	Changes of some anti-oxidative physiological indices under soil water deficits among 10 wheat ( <i>Triticum aestivum</i> L.) genotypes at tillering stage. <b>2007</b> , 54, 143-9	74

2073	The mutual responses of higher plants to environment: physiological and microbiological aspects. <b>2007</b> , 59, 113-9	45
2072	Seedling performance in sewage sludge-amended degraded Mediterranean woodlands. <b>2007</b> , 31, 281-291	26
2071	Modifications of taste-relevant compounds in strawberry fruit under NaCl salinity. <b>2007</b> , 105, 1487-1494	94
2070	Exogenous nitric oxide protect cucumber roots against oxidative stress induced by salt stress. <b>2007</b> , 45, 542-50	226
2069	Plant metabolomics reveals conserved and divergent metabolic responses to salinity. <b>2008</b> , 132, 209-19	201
2068	Emerging trends in the functional genomics of the abiotic stress response in crop plants. <b>2007</b> , 5, 361-80	181
2067	Assessment of Growth, Physiological and Biochemical Parameters and Activities of Antioxidative Enzymes in Salinity Tolerant and Sensitive Basmati Rice Varieties. <b>2007</b> , 193, 398-412	39
2066	Salt resistance is determined by osmotic adjustment and abscisic acid in newly developed maize hybrids in the first phase of salt stress. <b>2007</b> , 131, 311-21	60
2065	A plastid-localized glycogen synthase kinase 3 modulates stress tolerance and carbohydrate metabolism. <b>2007</b> , 49, 1076-90	62
2064	Integrative functional genomics of salt acclimatization in the model legume Lotus japonicus. <b>2008</b> , 53, 973-87	156
2063	Nitrogen uptake and metabolism in Populus x canescens as affected by salinity. <b>2007</b> , 173, 279-93	89
2062	Influence of salt stress on seed yield and oil quality of two sunflower hybrids. <b>2007</b> , 151, 145-154	50
2061	Can salt stress-induced physiological responses protect tomato crops from ozone damages in Mediterranean environments?. <b>2007</b> , 26, 454-461	22
2060	Short-term effects of drought and salinity on mineral nutrient distribution along growing leaves of maize seedlings. <b>2007</b> , 60, 268-275	109
2059	The effect of salt stress on lipid peroxidation, antioxidative enzymes and proline content of sesame cultivars. <b>2007</b> , 60, 344-351	312
2058	Glycinebetaine-induced modulation of antioxidant enzymes activities and ion accumulation in two wheat cultivars differing in salt tolerance. <b>2007</b> , 60, 368-376	127
2057	Biophysical and morphological leaf adaptations to drought and salinity in salt marsh grasses. <b>2007</b> , 60, 458-467	54
2056	Effect of NaCl on the growth and the ionic balance K <sup>+</sup> /Na <sup>+</sup> of two populations of Lotus creticus (L.) (Papilionaceae). <b>2007</b> , 73, 623-631	36

2055	Seagrass-salinity interactions: Physiological mechanisms used by submersed marine angiosperms for a life at sea. <b>2007</b> , 350, 194-215	154
2054	Effect of NaCl, Na <sub>2</sub> SO <sub>4</sub> , and mannitol on utilization of storage starch and formation of plastids in the cotyledons and roots of alfalfa seedlings. <b>2007</b> , 54, 50-57	7
2053	Effect of calcium and light on the germination of <i>Urochondra setulosa</i> under different salts. <b>2007</b> , 8, 20-6	12
2052	Primary production and nutrient content in two salt marsh species, <i>Atriplex portulacoides</i> L. and <i>Limoniastrum monopetalum</i> L., in Southern Portugal. <b>2007</b> , 30, 459-468	25
2051	In vitro regeneration of wild pear ( <i>Pyrus pyraster</i> Burgsd) clones tolerant to Fe-chlorosis and somaclonal variation analysis by RAPD markers. <b>2007</b> , 26, 489-96	22
2050	In vitro selection of salinity tolerant variants from triploid bermudagrass ( <i>Cynodon transvaalensis</i> x <i>C. dactylon</i> ) and their physiological responses to salt and drought stress. <b>2007</b> , 26, 1413-20	43
2049	Leaf-applied sodium chloride promotes cadmium accumulation in durum wheat grain. <b>2007</b> , 290, 323-331	28
2048	Osmotic adjustment and ion balance traits of an alkali resistant halophyte <i>Kochia sieversiana</i> during adaptation to salt and alkali conditions. <b>2007</b> , 294, 263-276	249
2047	Responses of ethylene biosynthesis to saline stress in seedlings of eight plant species. <b>2007</b> , 53, 97-106	27
2046	In vitro selection of salt tolerant cell lines in <i>Solanum tuberosum</i> L.. <b>2007</b> , 51, 728-734	47
2045	Water and salinity stress in grapevines: early and late changes in transcript and metabolite profiles. <b>2007</b> , 7, 111-34	407
2044	Major intrinsic proteins (MIPs) in plants: a complex gene family with major impacts on plant phenotype. <b>2007</b> , 7, 263-89	124
2043	Transcript abundance profiles reveal larger and more complex responses of grapevine to chilling compared to osmotic and salinity stress. <b>2007</b> , 7, 317-33	103
2042	Heterologous expression of vacuolar H <sup>(+)</sup> -PPase enhances the electrochemical gradient across the vacuolar membrane and improves tobacco cell salt tolerance. <b>2007</b> , 232, 87-95	32
2041	Bioindicator capacity of trees towards dryland salinity. <b>2007</b> , 21, 411-419	6
2040	Effects of drought on water content and photosynthetic parameters in potato plants expressing the trehalose-6-phosphate synthase gene of <i>Saccharomyces cerevisiae</i> . <b>2008</b> , 227, 299-308	74
2039	Competition between Hardwood Hammocks and Mangroves. <b>2007</b> , 10, 648-660	39
2038	Effects of polyamines on K <sup>+</sup> , Na <sup>+</sup> and Cl <sup>-</sup> content and distribution in different organs of cucumber ( <i>Cucumis sativus</i> L.) seedlings under NaCl stress. <b>2007</b> , 1, 430-437	2



2037	Effect of short- and long-term salinity on the activities of antioxidative enzymes and lipid peroxidation in tomato roots. <b>2007</b> , 30, 11-18	103
2036	Modulation of spermidine and spermine levels in maize seedlings subjected to long-term salt stress. <b>2007</b> , 45, 812-21	80
2035	Induction of cyclic electron flow around photosystem 1 and state transition are correlated with salt tolerance in soybean. <b>2008</b> , 46,	18
2034	Comparison of effects of salt and alkali stresses on the growth and photosynthesis of wheat. <b>2008</b> , 46, 107-114	143
2033	Photosynthesis and photosystem 2 efficiency of two salt-adapted halophytic seashore <i>Cakile maritima</i> ecotypes. <b>2008</b> , 46, 410-419	48
2032	Effect of salinity on composition, viability and germination of seeds of <i>Chenopodium quinoa</i> Willd. <b>2008</b> , 302, 79-90	117
2031	Deficit and excess of soil water impact on plant growth of <i>Lotus tenuis</i> by affecting nutrient uptake and arbuscular mycorrhizal symbiosis. <b>2008</b> , 304, 117-131	54
2030	Sex-related differences in leaf traits in an androdioecious shrub under contrasting levels of soil salinity. <b>2008</b> , 310, 235-243	8
2029	Changes in free polyamine concentration induced by salt stress in seedlings of different species. <b>2008</b> , 56, 167-177	22
2028	Comparative effects of salt and alkali stresses on growth, osmotic adjustment and ionic balance of an alkali-resistant halophyte <i>Suaeda glauca</i> (Bge.). <b>2008</b> , 56, 179-190	174
2027	Overexpression of ENA1 from yeast increases salt tolerance in <i>Arabidopsis</i> . <b>2008</b> , 51, 159-165	7
2026	Identification of changes in <i>Triticum durum</i> L. leaf proteome in response to salt stress by two-dimensional electrophoresis and MALDI-TOF mass spectrometry. <b>2008</b> , 391, 381-90	126
2025	Growth, photosynthesis, and ion distribution in hydroponically cultured <i>Populus alba</i> L. cuttings grown under various salinity concentrations. <b>2008</b> , 4, 75-82	14
2024	Physiological response of natural <i>C.taklimakanensis</i> B.R.Pan et G.M.Shen to unconfined groundwater in the hinterland of the Taklimakan Desert. <b>2008</b> , 53, 112-118	2
2023	Growth, physiological characteristics and ion distribution of NaCl stressed <i>Alhagi sparsifolia</i> seedlings. <b>2008</b> , 53, 169-176	12
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2008	Effects of Salt Stress on Some Physiological and Photosynthetic Parameters at Three Different Temperatures in Six Soya Bean ( <i>Glycine max</i> L. Merr.) Cultivars. <b>2008</b> , 194, 34-46	26
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1997	Relative membrane permeability and activities of some antioxidant enzymes as the key determinants of salt tolerance in canola ( <i>Brassica napus</i> L.). <b>2008</b> , 63, 266-273	161
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1991	Impact of gamma radiation and salinity on growth and K <sup>+</sup> /Na <sup>+</sup> balance in two populations of <i>Medicago sativa</i> (L.) cultivar Gabš. <b>2008</b> , 18, 1095-1105	12
1990	Water Salinity and Initial Development of Pitaya ( <i>Hylocereus undatus</i> ). <b>2008</b> , 7, 81-92	3
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1984	The effect of water stress and rootstock on the development of leaf injuries in grapevines irrigated with saline effluent. <b>2008</b> , 95, 375-382	23

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1982	Leaf water balance mediated by aquaporins under salt stress and associated glucosinolate synthesis in broccoli. <b>2008</b> , 174, 321-328	98
1981	Breeding for abiotic stresses for sustainable agriculture. <b>2008</b> , 363, 703-16	187
1980	Global Water Crisis: The Potential of Cash Crop Halophytes to Reduce the Dilemma. <b>2008</b> , 7-19	10
1979	Anatomical element localization by EDXS in <i>Grevillea exul</i> var. <i>exul</i> under nickel stress. <b>2008</b> , 156, 1156-63	16
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1977	Initial seedling morphological characteristics and field performance of two Sudanian savanna species in relation to nursery production period and watering regimes. <b>2008</b> , 255, 2151-2162	28
1976	24-Epibrassinolide protects against the stress generated by salinity and nickel in <i>Brassica juncea</i> . <b>2008</b> , 72, 1387-92	119
1975	Combined effects of long-term salinity and soil drying on growth, water relations, nutrient status and proline accumulation of <i>Sesuvium portulacastrum</i> . <b>2008</b> , 331, 442-51	88
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1972	Genetic Engineering for Salinity Stress Tolerance. <b>2008</b> , 347-384	10
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1966	NUTRITION OF SUBSTRATE-GROWN PLANTS. <b>2008</b> , 291-339	15

1965	Protective Role of Putrescine Against Salt Stress is Partially Related to the Improvement of Water Relation and Nutritional Imbalance in Cucumber. <b>2008</b> , 31, 1820-1831	11
1964	Responses of Crops to Soil Salinization in South Baja California, Mexico. <b>2008</b> , 31, 1800-1810	2
1963	Responses to changes in Ca <sup>2+</sup> supply in two Mediterranean evergreens, <i>Phillyrea latifolia</i> and <i>Pistacia lentiscus</i> , during salinity stress and subsequent relief. <b>2008</b> , 102, 609-22	20
1962	In vitro olive ( <i>Olea europaea</i> L.) cvs Frantoio and Moraiolo microshoot tolerance to NaCl. <b>2008</b> , 142, 563-571	14
1961	Elevated atmospheric CO <sub>2</sub> concentration ameliorates effects of NaCl salinity on photosynthesis and leaf structure of <i>Aster tripolium</i> L. <b>2009</b> , 60, 137-51	86
1960	Nitrogen fixation is synchronized with carbon metabolism in <i>Lotus japonicus</i> and <i>Medicago truncatula</i> nodules under salt stress. <b>2008</b> , 3, 137-144	8
1959	Effects of Saline Water on Growth and Physiology of Bell Pepper Seedlings. <b>2008</b> , 14, 121-138	4
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1957	Drainage water reuse: biological, physical, and technological considerations for system management. <b>2008</b> , 37, S25-35	37
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1955	Changes in physiological indicators associated with salt tolerance in two contrasting cashew rootstocks. <b>2008</b> , 20, 51-59	22
1954	Salt stress and phyto-biochemical responses of plants – a review. <b>2008</b> , 54, 89-99	318
1953	Growth, water status and nutrient accumulation of seedlings of <i>Holoptelea integrifolia</i> (Roxb.) Planch in response to soil salinity. <b>2008</b> , 54, 367-373	12
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1951	A central role of abscisic acid in stress-regulated carbohydrate metabolism. <b>2008</b> , 3, e3935	137
1950	Physiological and biochemical changes occurring in dwarf-cashew seedlings subjected to salt stress. <b>2008</b> , 20, 105-118	18
1949	Salinity Tolerance and Root System of Rice Cultivars Exposed to NaCl Stress. <b>2008</b> , 77, 326-332	3
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1945	Efeito do tamanho da semente, substrato ambiente na produçã de mudas de <i>Copernicia Hospita Martius</i> . <b>2009</b> , 33, 1527-1533	1
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1942	Effects of Salinity on Growth, Ionic Relations and Solute Content of <i>Sorghum Bicolor</i> (L.) Monench. <b>2009</b> , 32, 1219-1236	13
1941	Differential expression of candidate salt-tolerance genes in the halophyte <i>Helianthus paradoxus</i> and its glycophyte progenitors <i>H. annuus</i> and <i>H. petiolaris</i> (Asteraceae). <b>2009</b> , 96, 1830-8	26
1940	Differentially expressed membrane transporters in rice roots may contribute to cultivar dependent salt tolerance. <b>2009</b> , 60, 2553-63	105
1939	Leaf and whole tree adaptations to mild salinity in field grown <i>Populus euphratica</i> . <b>2009</b> , 29, 1237-46	22
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1937	Phospholipid signaling responses in salt-stressed rice leaves. <b>2009</b> , 50, 986-97	114
1936	Shoot Na <sup>+</sup> exclusion and increased salinity tolerance engineered by cell type-specific alteration of Na <sup>+</sup> transport in <i>Arabidopsis</i> . <b>2009</b> , 21, 2163-78	387
1935	Morphological changes and antioxidant defence systems in soybean genotypes as affected by salt stress. <b>2009</b> , 4, 295-306	10
1934	Growth, Mineral Composition, and Biochemical Changes of Broad Bean as Affected by Sodium Chloride and Zinc Levels and Sources. <b>2009</b> , 40, 3046-3060	3
1933	Comparative profiles of gene expression in leaves and roots of maize seedlings under conditions of salt stress and the removal of salt stress. <b>2009</b> , 50, 889-903	45
1932	Heterologous expression of tulip petal plasma membrane aquaporins in <i>Pichia pastoris</i> for water channel analysis. <b>2009</b> , 75, 2792-7	25
1931	Mechanisms of progressive water deficit tolerance and growth recovery of Chinese maize foundation genotypes Huangzao 4 and Chang 7-2, which are proposed on the basis of comparison of physiological and transcriptomic responses. <b>2009</b> , 50, 2092-111	31
1930	Effect of Salinity on Germination and Seed Physiology in Bean ( <i>Phaseolus Vulgaris</i> L.). <b>2009</b> , 23, 326-329	24

1929	The extreme halophyte <i>Salicornia veneta</i> is depleted of the extrinsic PsbQ and PsbP proteins of the oxygen-evolving complex without loss of functional activity. <b>2009</b> , 103, 505-15	19
1928	Tolerance and avoidance: Two contrasting physiological responses to salt stress in mature marsh halophytes <i>Juncus roemerianus</i> Scheele and <i>Spartina alterniflora</i> Loisel. <b>2009</b> , 380, 106-112	51
1927	Effects of desiccation on the photosynthetic activity of intertidal microphytobenthos biofilms as studied by optical methods. <b>2009</b> , 381, 98-104	34
1926	Salt-dependent regulation of a CNG channel subfamily in <i>Arabidopsis</i> . <b>2009</b> , 9, 140	68
1925	Comparative effects of salt and alkali stresses on organic acid accumulation and ionic balance of seabuckthorn ( <i>Hippophae rhamnoides</i> L.). <b>2009</b> , 30, 351-358	58
1924	Impacts of NaCl stress on plant growth and mineral nutrient assimilation in two cultivars of strawberry. <b>2009</b> , 65, 170-176	80
1923	Is osmotic potential a more appropriate property than electrical conductivity for evaluating whole-plant response to salinity?. <b>2009</b> , 65, 232-237	43
1922	Quercitol plays a key role in stress tolerance of <i>Eucalyptus leptophylla</i> (F. Muell) in naturally occurring saline conditions. <b>2009</b> , 65, 296-303	7
1921	Interaction effects of root-zone salinity and solar irradiance on the physiology and biochemistry of <i>Olea europaea</i> . <b>2009</b> , 65, 210-219	42
1920	Roots and leaves display contrasting osmotic adjustment mechanisms in response to NaCl-salinity in <i>Atriplex nummularia</i> . <b>2009</b> , 66, 1-8	129
1919	Grafting increases the salt tolerance of tomato by improvement of photosynthesis and enhancement of antioxidant enzymes activity. <b>2009</b> , 66, 270-278	140
1918	Soil salinity and drought alter wood density and vulnerability to xylem cavitation of baldcypress ( <i>Taxodium distichum</i> (L.) Rich.) seedlings. <b>2009</b> , 67, 164-171	38
1917	Molecular cloning and characterization of the promoter for the multiple stress-inducible gene BjCHI1 from <i>Brassica juncea</i> . <b>2009</b> , 229, 1231-42	26
1916	The role of root apoplastic transport barriers in salt tolerance of rice ( <i>Oryza sativa</i> L.). <b>2009</b> , 230, 119-34	157
1915	Ethylene and nitric oxide are involved in maintaining ion homeostasis in <i>Arabidopsis</i> callus under salt stress. <b>2009</b> , 230, 293-307	117
1914	Membrane transporters and carbon metabolism implicated in chloride homeostasis differentiate salt stress responses in tolerant and sensitive <i>Citrus</i> rootstocks. <b>2009</b> , 9, 293-309	73
1913	Effectiveness of compost use in salt-affected soil. <b>2009</b> , 171, 29-37	158
1912	Effect of increased alkalinity on Na <sup>+</sup> and K <sup>+</sup> contents, lipid peroxidation and antioxidative enzymes in two populations of <i>Populus cathayana</i> . <b>2009</b> , 53, 597-600	6

1911	Effects of buffer capacity on growth, photosynthesis, and solute accumulation of a glycophyte (wheat) and a halophyte ( <i>Chloris virgata</i> ). <b>2009</b> , 47, 55-60	39
1910	Comparative effects of salt-stress and alkali-stress on the growth, photosynthesis, solute accumulation, and ion balance of barley plants. <b>2009</b> , 47, 79-86	155
1909	Responses of salt-tolerant and intolerant wheat genotypes to sodium chloride: Photosynthesis, antioxidants activities, and yield. <b>2009</b> , 47, 87-94	21
1908	Effects of salt stress on growth, photosynthesis and solute accumulation in three poplar cultivars. <b>2009</b> , 47,	11
1907	Effect of salinity on growth, ion accumulation and the roles of ions in osmotic adjustment of two populations of <i>Suaeda salsa</i> . <b>2009</b> , 314, 133-141	75
1906	The ionic effects of NaCl on physiology and gene expression in rice genotypes differing in salt tolerance. <b>2009</b> , 315, 135-147	31
1905	Salt tolerance and avoidance mechanisms at germination of annual pasture legumes: importance for adaptation to saline environments. <b>2009</b> , 315, 241-255	39
1904	Effects of saline root environment (NaCl) on nitrate and potassium uptake kinetics for rose plants: a Michaelis-Menten modelling approach. <b>2009</b> , 318, 101-115	33
1903	Salt-induced changes on H <sup>+</sup> -ATPase activity, sterol and phospholipid content and lipid peroxidation of root plasma membrane from dwarf-cashew ( <i>Anacardium occidentale</i> L.) seedlings. <b>2009</b> , 59, 125-135	34
1902	Spatial variations in salinity stress across a coastal landscape using vegetation indices derived from hyperspectral imagery. <b>2009</b> , 202, 285-297	29
1901	Investigation of anti-salt stress on tetraploid <i>Robinia pseudoacacia</i> . <b>2009</b> , 4, 227-235	3
1900	Physiological and molecular analyses of seedlings of two Tunisian durum wheat ( <i>Triticum turgidum</i> L. subsp. Durum [Desf.]) varieties showing contrasting tolerance to salt stress. <b>2009</b> , 31, 145-154	34
1899	Photosystem II photochemistry and physiological parameters of three fodder shrubs, <i>Nitraria retusa</i> , <i>Atriplex halimus</i> and <i>Medicago arborea</i> under salt stress. <b>2009</b> , 31, 463-476	26
1898	Changes in fatty acids composition, hydrogen peroxide generation and lipid peroxidation of salt-stressed corn ( <i>Zea mays</i> L.) roots. <b>2009</b> , 31, 787-796	29
1897	Anatomical changes induced by increasing NaCl salinity in three fodder shrubs, <i>Nitraria retusa</i> , <i>Atriplex halimus</i> and <i>Medicago arborea</i> . <b>2009</b> , 31, 947-960	49
1896	Sodium transport in basil. <b>2009</b> , 31, 1045-1051	13
1895	Salicylic acid-induced salinity tolerance in corn grown under NaCl stress. <b>2009</b> , 31, 1185-1190	43
1894	In Planta Measurements of Na <sup>+</sup> Using Fluorescent Dye CoroNa Green. <b>2009</b> , 52, 298-302	15



1893	Symbiotic performance of common bean and soybean co-inoculated with rhizobia and <i>Chryseobacterium balustinum</i> Aur9 under moderate saline conditions. <b>2009</b> , 49, 29-36		39
1892	Cloning and molecular characterization of fructose-1,6-bisphosphate aldolase gene regulated by high-salinity and drought in <i>Sesuvium portulacastrum</i> . <b>2009</b> , 28, 975-84		63
1891	Alleviation of drought stress effects in sunflower seedlings by the exopolysaccharides producing <i>Pseudomonas putida</i> strain GAP-P45. <b>2009</b> , 46, 17-26		393
1890	Genetic diversity of plant growth promoting rhizobacteria isolated from rhizospheric soil of wheat under saline condition. <b>2009</b> , 59, 489-96		201
1889	Concentrations of essential and nonessential elements in shoots and storage roots of carrot grown in NaCl and Na <sub>2</sub> SO <sub>4</sub> salinity. <b>2009</b> , 38, 45-51		11
1888	Short-term effects of salt exposure on the maize chloroplast protein pattern. <b>2009</b> , 9, 4209-20		81
1887	Metabolome and water status phenotyping of <i>Arabidopsis</i> under abiotic stress cues reveals new insight into ESK1 function. <i>Plant, Cell and Environment</i> , <b>2009</b> , 32, 95-108	8.4	59
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1885	Functional anatomy controls ion distribution in banana leaves: significance of Na <sup>+</sup> seclusion at the leaf margins. <i>Plant, Cell and Environment</i> , <b>2009</b> , 32, 476-85	8.4	33
1884	The nucleotidase/phosphatase SAL1 is a negative regulator of drought tolerance in <i>Arabidopsis</i> . <b>2009</b> , 58, 299-317		141
1883	Oxygation enhances growth, gas exchange and salt tolerance of vegetable soybean and cotton in a saline vertisol. <b>2009</b> , 51, 675-88		19
1882	Germination, growth, osmotic adjustment and ionic balance of wheat in response to saline and alkaline stresses. <b>2009</b> , 55, 667-679		48
1881	Effects of saline and alkaline stresses on the germination, growth, photosynthesis, ionic balance and anti-oxidant system in an alkali-tolerant leguminous forage <i>Lathyrus quinquenervius</i> . <b>2009</b> , 55, 685-697		69
1880	Differences in efficient metabolite management and nutrient metabolic regulation between wild and cultivated barley grown at high salinity. <b>2010</b> , 12, 650-8		18
1879	Response of Wheat Varieties from Semi-arid Regions of Jordan to Salt Stress. <b>2009</b> , 195, 55-65		16
1878	Role of Arbuscular Mycorrhizae in the Alleviation of Ionic, Osmotic and Oxidative Stresses Induced by Salinity in <i>Cajanus cajan</i> (L.) Millsp. (pigeonpea). <b>2009</b> , 195, 110-123		103
1877	Effect of Salt Stress on the Salicylic Acid Synthesis in Young Maize ( <i>Zea mays</i> L.) Plants. <b>2009</b> , 195, 165-171		47
1876	Reproductive Compensation of Cotton after Salt Stress Relief at Different Growth Stages. <b>2009</b> , 195, 278-283		23

1875	A Comparison of Screening Criteria for Salt Tolerance in Wheat under Field and Controlled Environmental Conditions. <b>2009</b> , 195, 356-367	36
1874	Selective Absorption of K over Na in Sugar Beet Cultivars and its Relationship with Yield and Quality in Two Contrasting Environments of Central Greece. <b>2009</b> , 195, 384-392	6
1873	Patterns of ion excretion and survival in two stoloniferous arid zone grasses. <b>2009</b> , 135, 185-95	25
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1871	Ussing's conundrum and the search for transport mechanisms in plants. <b>2009</b> , 183, 243-246	30
1870	Ameliorative effect of CaCl <sub>2</sub> on growth, membrane permeability and nutrient uptake in <i>Atriplex halimus</i> subsp. <i>schweinfurthii</i> grown at high (NaCl) salinity. <b>2009</b> , 249, 163-166	32
1869	Strategies for Crop Improvement Against Salinity and Drought Stress: An Overview. <b>2009</b> , 1-16	29
1868	Photosynthesis under drought and salt stress: regulation mechanisms from whole plant to cell. <b>2009</b> , 103, 551-60	2289
1867	Anatomical and physiological divergences and compensatory effects in two <i>Leymus chinensis</i> (Poaceae) ecotypes in Northeast China. <b>2009</b> , 134, 46-52	27
1866	Overaccumulation of glycine betaine alleviates the negative effects of salt stress in wheat. <b>2009</b> , 56, 370-376	24
1865	Metabolic responses to salt stress of barley ( <i>Hordeum vulgare</i> L.) cultivars, Sahara and Clipper, which differ in salinity tolerance. <b>2009</b> , 60, 4089-103	318
1864	Salt stress-induced alterations in the root proteome of barley genotypes with contrasting response towards salinity. <b>2009</b> , 60, 3545-57	162
1863	The dynamic changing of Ca <sup>2+</sup> cellular localization in maize leaflets under drought stress. <b>2009</b> , 332, 351-62	16
1862	Effectiveness of potassium sulfate in mitigating salt-induced adverse effects on different physio-biochemical attributes in sunflower ( <i>Helianthus annuus</i> L.). <b>2009</b> , 204, 471-483	51
1861	Salt tolerance strategies of <i>Lygeum spartum</i> L.: A new fodder crop for Algerian saline steppes. <b>2009</b> , 204, 747-754	21
1860	Effects of salt and waterlogging stresses and their combination on leaf photosynthesis, chloroplast ATP synthesis, and antioxidant capacity in wheat. <b>2009</b> , 176, 575-82	145
1859	Photosynthetic acclimation to elevated CO <sub>2</sub> is dependent on N partitioning and transpiration in soybean. <b>2009</b> , 177, 398-403	21
1858	Analysis of drought responsive proteins in wheat ( <i>Triticum durum</i> ) by 2D-PAGE and MALDI-TOF mass spectrometry. <b>2009</b> , 177, 570-576	108

1857	Transcript profiling of the salt-tolerant <i>Festuca rubra</i> ssp. <i>litoralis</i> reveals a regulatory network controlling salt acclimatization. <b>2009</b> , 166, 697-711	33
1856	Physiological and growth changes in micropropagated <i>Citrus macrophylla</i> explants due to salinity. <b>2009</b> , 166, 1923-33	31
1855	Effects of salinity on competitive interactions between two <i>Juncus</i> species. <b>2009</b> , 90, 23-29	20
1854	Osmotic and ionic effects of NaCl and Na <sub>2</sub> SO <sub>4</sub> salinity on <i>Phragmites australis</i> . <b>2009</b> , 90, 43-51	93
1853	Effects of NaCl salinity on growth, morphology, photosynthesis and proline accumulation of <i>Salvinia natans</i> . <b>2009</b> , 91, 181-186	94
1852	Ecophysiological responses of the euhalophyte <i>Suaeda salsa</i> to the interactive effects of salinity and nitrate availability. <b>2009</b> , 91, 311-317	34
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1850	The Use of Microorganisms to Facilitate the Growth of Plants in Saline Soils. <b>2009</b> , 1-22	31
1849	Water uptake, active root volume, and solute leaching under drip irrigation: A numerical study. <b>2009</b> , 45,	22
1848	Inducing Salt Tolerance in Wheat by Exogenously Applied Ascorbic Acid through Different Modes. <b>2009</b> , 32, 1799-1817	45
1847	Effects of Temperature and Salinity on Germination and Seedling Growth of <i>Daucus carota</i> cv. <i>nantes</i> and <i>Capsicum annuum</i> cv. <i>sivri</i> and Flooding on <i>Capsicum annuum</i> cv. <i>sivri</i> . <b>2009</b> , 51-64	4
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1844	Antioxidant defences and oxidative damage in salt-treated olive plants under contrasting sunlight irradiance. <b>2009</b> , 29, 1187-98	51
1843	Different <i>Eucalyptus</i> Species Show Different Mechanisms of Tolerance to Salinity and Salinity Hypoxia. <b>2009</b> , 32, 1427-1439	6
1842	Effects of Supplemental Calcium on Ion Accumulation, Transport and Plant Growth of Salt Sensitive <i>Brassica Rapa</i> Landrace. <b>2009</b> , 32, 644-667	14
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1840	Effect of salinisation of soil on growth, water status and general nutrient accumulation in seedlings of <i>Delonix regia</i> (Fabaceae). <b>2009</b> , 29, 109-115	13

1839	Physiological characterization of four model Lotus diploid genotypes: <i>L. japonicus</i> (MG20 and Gifu), <i>L. filicaulis</i> , and <i>L. burttii</i> under salt stress. <b>2009</b> , 177, 618-628	12
1838	Comparison of the response of ion distribution in the tissues and cells of the succulent plants <i>Aloe vera</i> and <i>Salicornia europaea</i> to saline stress. <b>2009</b> , 172, 875-883	27
1837	Impact of salinity on early reproductive physiology of tomato ( <i>Solanum lycopersicum</i> ) in relation to a heterogeneous distribution of toxic ions in flower organs. <b>2009</b> , 36, 125-136	46
1836	Phylogenetic analysis and functional characterisation of strictosidine synthase-like genes in <i>Arabidopsis thaliana</i> . <b>2010</b> , 36, 1098-1109	7
1835	Comparative proteome analysis of maize ( <i>Zea mays</i> L.) expansins under salinity. <b>2009</b> , 172, 75-77	15
1834	Molecular cloning, expression and mapping of the translational initiation factor eIF1 gene in <i>Oryza sativa</i> . <b>2009</b> , 36, 442-452	6
1833	Contrasting response mechanisms to root-zone salinity in three co-occurring Mediterranean woody evergreens: a physiological and biochemical study. <b>2009</b> , 36, 551-563	13
1832	Gene expression and regulation of higher plants under soil water stress. <b>2009</b> , 10, 269-80	32
1831	Effect of different physiological traits on grain yield in barley grown under irrigated and terminal water deficit conditions. <b>2010</b> , 148, 319-328	35
1830	Field screening and evaluation of salt and cold tolerance of wheat germplasm resources. <b>2010</b> , 38, 32-42	
1829	Physiological Role of Sodium in the Growth of the Halophyte <i>Suaeda salsa</i> (L.) Pall. under High-Sodium Conditions. <b>2010</b> , 50, 2492-2498	8
1828	Salinity. <b>2010</b> , 286-305	1
1827	Growth, ion composition, and stomatal conductance of peas exposed to salinity. <b>2010</b> , 5, 682-691	6
1826	Structural and Functional Adaptations in Plants for Salinity Tolerance. <b>2010</b> , 151-170	24
1825	Approaches to identifying genes for salinity tolerance and the importance of timescale. <b>2010</b> , 639, 25-38	32
1824	Assessing the potential invasiveness of <i>Cortaderia selloana</i> in Sardinian wetlands through seed germination study. <b>2010</b> , 144, 518-527	21
1823	Yield and water use efficiency of wheat and cotton under alternate furrow and check-basin irrigation with canal and tube well water in Punjab, India. <b>2010</b> , 28, 489-496	22
1822	Yield and quality of two tomato ( <i>Solanum lycopersicum</i> L.) cultivars as influenced by drip and furrow irrigation using waters having high residual sodium carbonate. <b>2010</b> , 28, 513-523	18

1821	Protein profile analysis of salt-responsive proteins in leaves and roots in two cultivars of creeping bentgrass differing in salinity tolerance. <b>2010</b> , 29, 595-615	72
1820	Effects of salinity and temperature on <i>Deschampsia antarctica</i> . <b>2010</b> , 33, 1007-1012	11
1819	Short-term salinity stress in tobacco plants leads to the onset of animal-like PCD hallmarks in planta in contrast to long-term stress. <b>2010</b> , 231, 437-48	36
1818	The sugar beet gene encoding the sodium/proton exchanger 1 (BvNHX1) is regulated by a MYB transcription factor. <b>2010</b> , 232, 187-95	36
1817	Insights into the salt tolerance mechanism in barley ( <i>Hordeum vulgare</i> ) from comparisons of cultivars that differ in salt sensitivity. <b>2010</b> , 123, 105-18	29
1816	Exogenously applied ascorbic acid ameliorates detrimental effects of NaCl and mannitol stress in <i>Vicia faba</i> seedlings. <b>2010</b> , 239, 39-48	31
1815	NaCl effect on the distribution of wall ingrowth polymers and arabinogalactan proteins in type A transfer cells of <i>Medicago sativa</i> Gab8 leaves. <b>2010</b> , 242, 69-80	8
1814	Overexpression of osmotin gene confers tolerance to salt and drought stresses in transgenic tomato ( <i>Solanum lycopersicum</i> L.). <b>2010</b> , 245, 133-41	91
1813	Hydraulic lift and tolerance to salinity of semiarid species: consequences for species interactions. <b>2010</b> , 162, 11-21	57
1812	Natural variation for drought-response traits in the <i>Mimulus guttatus</i> species complex. <b>2010</b> , 162, 23-33	85
1811	Lipid peroxidation, chloroplastic pigments and antioxidant strategies in <i>Carapa guianensis</i> (Aubl.) subjected to water-deficit and short-term rewetting. <b>2010</b> , 24, 275-283	15
1810	Evidence for a role of exogenous glycinebetaine and proline in antioxidant defense and methylglyoxal detoxification systems in mung bean seedlings under salt stress. <b>2010</b> , 16, 19-29	107
1809	Simple yet stringent screening methodologies for evaluation of putative transformants for abiotic stress tolerance: salt and cadmium stress as a paradigm. <b>2010</b> , 16, 115-21	3
1808	Yield and yield components of hybrid corn ( <i>Zea mays</i> L.) as affected by mycorrhizal symbiosis and zinc sulfate under drought stress. <b>2010</b> , 16, 343-51	37
1807	Overexpression of OsVP1 and OsNHX1 Increases Tolerance to Drought and Salinity in Rice. <b>2010</b> , 53, 444-452	51
1806	Biochemical responses of Hyacinth bean ( <i>Lablab purpureus</i> ) to salinity stress. <b>2010</b> , 32, 341-353	41
1805	Prolonged salt stress alters the ratios of protochlorophyllide spectral forms in dark-grown wheat ( <i>Triticum aestivum</i> ) and influences chlorophyll a accumulation following irradiation. <b>2010</b> , 32, 971-978	4
1804	Phenotypic indicators of NaCl tolerance levels in rice seedlings: variations in development and leaf anatomy. <b>2010</b> , 32, 1161-1169	11

1803	The effect of 5-azacytidine on wheat seedlings responses to NaCl stress. <b>2010</b> , 54, 753-756	22
1802	Cloning and characterization of a functional flavanone-3 $\beta$ hydroxylase gene from <i>Medicago truncatula</i> . <b>2010</b> , 37, 3283-9	13
1801	Biochemical, physiological and growth changes in response to salinity in callus cultures of <i>Sesuvium portulacastrum</i> L.. <b>2010</b> , 102, 17-25	74
1800	Photosynthesis, chlorophyll fluorescence, inorganic ion and organic acid accumulations of sunflower in responses to salt and salt-alkaline mixed stress. <b>2010</b> , 48, 127-134	72
1799	Seed germination, seedling survival, and physiological response of sunflowers under saline and alkaline conditions. <b>2010</b> , 48, 278-286	53
1798	Physiological characterization of photosynthesis, chloroplast ultrastructure, and nutrient content in bracts and rosette leaves from <i>Glaucium flavum</i> . <b>2010</b> , 48, 488-493	9
1797	Effects of NaCl on growth, water status, N <sub>2</sub> fixation, and ion distribution in <i>Pterocarpus officinalis</i> seedlings. <b>2010</b> , 327, 23-34	14
1796	Mechanisms of sodium uptake by roots of higher plants. <b>2010</b> , 326, 45-60	171
1795	Response of wheat to subsoil salinity and temporary water stress at different stages of the reproductive phase. <b>2010</b> , 330, 103-113	25
1794	Effects of NO $\beta$ -N on the growth and salinity tolerance of <i>Tamarix laxa</i> Willd. <b>2010</b> , 331, 57-67	29
1793	The role of cotyledon metabolism in the establishment of quinoa ( <i>Chenopodium quinoa</i> ) seedlings growing under salinity. <b>2010</b> , 326, 213-224	72
1792	5-Aminolevulinic acid improves photosynthetic gas exchange capacity and ion uptake under salinity stress in oilseed rape ( <i>Brassica napus</i> L.). <b>2010</b> , 332, 405-415	99
1791	Differential antioxidative response in barley leaves subjected to the interactive effects of salinity and potassium deprivation. <b>2010</b> , 334, 449-460	27
1790	Soil water availability for plants as quantified by conventional available water, least limiting water range and integral water capacity. <b>2010</b> , 335, 229-244	54
1789	Accumulation of oxytetracycline and norfloxacin from saline soil by soybeans. <b>2010</b> , 408, 1731-7	69
1788	Unequal salt distribution in the root zone increases growth and yield of cotton. <b>2010</b> , 33, 285-292	46
1787	Interactive effects of various salt and alkali stresses on growth, organic solutes, and cation accumulation in a halophyte <i>Spartina alterniflora</i> (Poaceae). <b>2010</b> , 68, 66-74	70
1786	An ecophysiological analysis of salinity tolerance in olive. <b>2010</b> , 68, 214-221	38

1785	Improving cucumber tolerance to major nutrients induced salinity by grafting onto Cucurbita ficifolia. <b>2010</b> , 69, 32-38		69
1784	Genotypic differences in root and shoot growth of barley ( <i>Hordeum vulgare</i> L.) grown under different salinity levels. <b>2010</b> , 147, 114-22		9
1783	Chlorophyll a fluorescence study revealing effects of high salt stress on Photosystem II in wheat leaves. <b>2010</b> , 48, 16-20		284
1782	Isolation of a novel catalase (Cat1) gene from <i>Panax ginseng</i> and analysis of the response of this gene to various stresses. <b>2010</b> , 48, 451-60		27
1781	Antioxidative responses of <i>Ocimum basilicum</i> to sodium chloride or sodium sulphate salinization. <b>2010</b> , 48, 772-7		70
1780	Salt stress differentially affects growth-mediating expansins in resistant and sensitive maize ( <i>Zea mays</i> L.). <b>2010</b> , 48, 993-8		64
1779	Manipulating the taste-related composition of strawberry fruits ( <i>Fragaria ananassa</i> ) from different cultivars using deficit irrigation. <b>2010</b> , 122, 1020-1026		94
1778	Sodium tolerance of plants in relation to ionic balance and the absorption ability of microelements. <b>2010</b> , 56, 225-233		12
1777	Salinity-induced changes in essential oil, pigments and salts accumulation in sweet basil ( <i>Ocimum basilicum</i> ) in relation to alterations of morphological development. <b>2010</b> , 156, 167-177		48
1776	Role of Ca <sup>2+</sup> on growth of <i>Brassica campestris</i> L. and <i>B. juncea</i> (L.) Czern & Coss under Na <sup>+</sup> stress. <b>2010</b> , 52, 549-55		4
1775	Mechanisms of Cl <sup>-</sup> transport contributing to salt tolerance. <i>Plant, Cell and Environment</i> , <b>2010</b> , 33, 566-89.4		318
1774	Na <sup>+</sup> transport in glycophytic plants: what we know and would like to know. <i>Plant, Cell and Environment</i> , <b>2010</b> , 33, 612-26	8.4	162
1773	Role of aquaporins in root water transport of ectomycorrhizal jack pine ( <i>Pinus banksiana</i> ) seedlings exposed to NaCl and fluoride. <i>Plant, Cell and Environment</i> , <b>2010</b> , 33, 769-80	8.4	36
1772	Cl <sup>-</sup> homeostasis in includer and excluder citrus rootstocks: transport mechanisms and identification of candidate genes. <i>Plant, Cell and Environment</i> , <b>2010</b> , 33, 2012-27	8.4	46
1771	The AtNHX1 exchanger mediates potassium compartmentation in vacuoles of transgenic tomato. <b>2010</b> , 61, 495-506		215
1770	Metabolome and water homeostasis analysis of <i>Thellungiella salsuginea</i> suggests that dehydration tolerance is a key response to osmotic stress in this halophyte. <b>2010</b> , 64, 215-29		140
1769	Evapotranspiration and water use efficiency in a Chesapeake Bay wetland under carbon dioxide enrichment. <b>2010</b> , 16, 234-245		29
1768	Interactions between <i>Pseudomonas putida</i> UW4 and <i>Gigaspora rosea</i> BEG9 and their consequences for the growth of cucumber under salt-stress conditions. <b>2010</b> , 108, 236-45		111

1767	Sex-specific responses and tolerances of <i>Populus cathayana</i> to salinity. <b>2010</b> , 140, 163-73	48
1766	SHORT COMMUNICATION: Effect of Salt Stress on Peruvian Germplasm of <i>Chenopodium quinoa</i> Willd.: A Promising Crop. <b>2010</b> , 196, 391-396	56
1765	The influence of 24-epibrassinolide on the hormonal status of wheat plants under sodium chloride. <b>2010</b> , 46, 99-102	21
1764	Broccoli-derived by-products--a promising source of bioactive ingredients. <b>2010</b> , 75, C383-92	98
1763	Salt stimulation of growth and photosynthesis in an extreme halophyte, <i>Arthrocnemum macrostachyum</i> . <b>2010</b> , 12, 79-87	139
1762	The Key Physiological Response to Alkali Stress by the Alkali-Resistant Halophyte <i>Puccinellia tenuiflora</i> is the Accumulation of Large Quantities of Organic Acids and into the Rhizosphere. <b>2010</b> , 196, 123-135	55
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1760	Physiological Roles of Organic Acids in Alkali-Tolerance of the Alkali-Tolerant Halophyte <i>Chloris virgata</i> . <b>2010</b> , 102, 1081-1089	35
1759	Effects of Saline and Alkaline Stress on Germination, Seedling Growth, and Ion Balance in Wheat. <b>2010</b> , 102, 1252-1260	41
1758	Culture of Seashore Mallow under Different Salinity Levels Using Plastic Nutrient-Rich Matrices and Transplantation. <b>2010</b> , 102, 395-402	14
1757	Trocas gasosas e fluorescência da clorofila a em variedades de cana-de-açúcar submetidas a deficiência hídrica. <b>2010</b> , 14, 378-386	32
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1754	Rota cultural feijão caupi/milho utilizando-se águas de salinidades diferentes. <b>2010</b> , 40, 1075-1082	22
1753	Salt-induced changes in antioxidative enzyme activities in root tissues do not account for the differential salt tolerance of two cowpea cultivars. <b>2010</b> , 22, 113-122	11
1752	Involvement of ethylene and hydrogen peroxide in induction of alternative respiratory pathway in salt-treated <i>Arabidopsis calluses</i> . <b>2010</b> , 51, 1754-65	87
1751	Osmotic effects of NaCl on cell hydraulic conductivity of corn roots. <b>2010</b> , 42, 351-7	16
1750	Physiological Response to Salt (NaCl) Stress in Selected Cultivated Tetraploid Cottons. <b>2010</b> , 2010, 1-12	42



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1729	<i>Sesuvium portulacastrum</i> maintains adequate gas exchange, pigment composition, and thylakoid proteins under moderate and high salinity. <b>2010</b> , 167, 1336-41	22
1728	Differential responses of saltbush <i>Atriplex halimus</i> L. exposed to salinity and water stress in relation to senescing hormones abscisic acid and ethylene. <b>2010</b> , 167, 1448-56	48
1727	Comparative effects of salinity and water stress on photosynthesis, water relations and growth of <i>Jatropha curcas</i> plants. <b>2010</b> , 74, 1130-1137	113
1726	Effects of drought and salt stresses on man-made cyanobacterial crusts. <b>2010</b> , 46, 381-386	53
1725	Soil salinity as a selection pressure is a key determinant for the evolution of salt tolerance in Blue Panicgrass ( <i>Panicum antidotale</i> Retz.). <b>2010</b> , 205, 37-45	30
1724	Sensitivity of <i>Trifolium alexandrinum</i> L. to salt stress is related to the lack of long-term stress-induced gene expression. <b>2010</b> , 178, 491-500	20
1723	Assessment of tolerance to NaCl salinity of five olive cultivars, based on growth characteristics and Na <sup>+</sup> and Cl <sup>-</sup> exclusion mechanisms. <b>2010</b> , 124, 306-315	48
1722	Responses of eight chile peppers to saline water irrigation. <b>2010</b> , 126, 215-222	13
1721	Role of grafting in vegetable crops grown under saline conditions. <b>2010</b> , 127, 147-155	185
1720	Physiological alterations modulated by rootstock and scion combination in cashew under salinity. <b>2010</b> , 127, 39-45	28
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1718	Water uptake, water use efficiency, plant growth and ionic balance of wheat, barley, canola and chickpea plants on a sodic vertosol with variable subsoil NaCl salinity. <b>2010</b> , 97, 148-156	53
1717	Modelling uptake of Na <sup>+</sup> and Cl <sup>-</sup> by tomato in closed-cycle cultivation systems as influenced by irrigation water salinity. <b>2010</b> , 97, 1242-1250	23
1716	Salinity tolerance of <i>Avicennia marina</i> (Forssk.) Vierh. from Gujarat coasts of India. <b>2010</b> , 93, 9-16	26
1715	Application of salicylic acid increases contents of nutrients and antioxidative metabolism in mungbean and alleviates adverse effects of salinity stress. <b>2010</b> , 1, 1	106
1714	Salinity tolerance of <i>Rhizophora mucronata</i> Lam. from Gujarat coasts of India. <b>2010</b> , 53,	2

1713	Cytosolic calcium and pH signaling in plants under salinity stress. <b>2010</b> , 5, 233-8	176
1712	Ecophysiology of Prosopis Species From the Arid Lands of Argentina: What Do We Know About Adaptation to Stressful Environments?. <b>2010</b> , 321-340	12
1711	Salinity-resistant plant growth promoting rhizobacteria ameliorates sodium chloride stress on tomato plants. <b>2010</b> , 5, 51-58	238
1710	Comparative proteomics of salt tolerance in Arabidopsis thaliana and Thellungiella halophila. <b>2010</b> , 9, 2584-99	227
1709	Responses of Halophyte Salicornia bigelovii to Different Forms of Nitrogen Source. <b>2010</b> , 20, 311-317	18
1708	New phenotyping methods for screening wheat and barley for beneficial responses to water deficit. <b>2010</b> , 61, 3499-507	269
1707	The Role of ACC Deaminase Producing PGPR in Sustainable Agriculture. <b>2010</b> , 365-385	22
1706	Resistance of Medicago truncatula to salt stress is related to glutamine synthetase activity and sodium sequestration. <b>2010</b> , 173, 892-899	13
1705	Fatty acids, essential oil, and phenolics modifications of black cumin fruit under NaCl stress conditions. <b>2010</b> , 58, 12399-406	42
1704	Salicylic acid-induced physiological and biochemical changes in lemongrass varieties under water stress. <b>2010</b> , 5, 293-303	81
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1701	Changes in sulphur metabolism of grey poplar (Populus x canescens) leaves during salt stress: a metabolic link to photorespiration. <b>2010</b> , 30, 1161-73	10
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1699	Salinity stress modulates habitat selection in the clonal plant Aeluropus sinensis subjected to crude oil deposition <sup>1,2</sup> . <b>2011</b> , 138, 262-271	3
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1697	Effects of salt stress and nitrogen application on growth and ion accumulation of Suaeda salsa plants. <b>2011</b> ,	5
1696	Influence d'une contrainte saline sur la croissance d'Aegilops geniculata Roth et du blé dur (Triticum durum Desf.). <b>2011</b> , 158, 553-565	

1695	Ionic and osmotic relations in quinoa ( <i>Chenopodium quinoa</i> Willd.) plants grown at various salinity levels. <b>2011</b> , 62, 185-93	222
1694	Salt-induced accumulation of glycine betaine is inhibited by high light in durum wheat. <b>2011</b> , 38, 139-150	44
1693	Salt Resistance of Crop Plants: Physiological Characterization of a Multigenic Trait. <b>2011</b> , 443-455	18
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1691	Mécanismes et stratégies cellulaires de tolérance à la salinité (NaCl) chez les plantes. <b>2011</b> , 19, 121-140	6
1690	Ion Transport in Halophytes. <b>2011</b> , 57, 151-199	225
1689	Contrasting leaf Na <sup>+</sup> uptake and transport rates conferred differences in salt tolerance of wheat genotypes. <b>2011</b> , 61, 129-135	1
1688	Salt-stress induced physiological and proteomic changes in tomato ( <i>Solanum lycopersicum</i> ) seedlings. <b>2011</b> , 15, 801-9	19
1687	CHARACTERIZATION OF THE PHYSIOLOGICAL RESPONSE OF THE HIGHLY-TOLERANT TOMATO CV. 'BONCHO NEGRO' TO SALINITY AND EXCESS BORON. <b>2011</b> , 34, 1254-1267	4
1686	Germination, growth, photosynthesis and ionic balance in <i>Setaria viridis</i> seedlings subjected to saline and alkaline stress. <b>2011</b> , 91, 1077-1088	12
1685	Engineering Salinity and Water-Stress Tolerance in Crop Plants. <b>2011</b> , 57, 405-443	58
1684	Fungal adaptation to extremely high salt concentrations. <b>2011</b> , 77, 71-96	63
1683	Plants in Extreme Environments: Importance of Protective Compounds in Stress Tolerance. <b>2011</b> , 57, 105-150	38
1682	EFFECTS OF WATER SALINITY ON GROWTH INDICES AND PHYSIOLOGICAL PARAMETERS IN SOME PISTACHIO ROOTSTOCKS. <b>2011</b> , 34, 935-944	19
1681	The combined effects of salinity and nitrogen forms on <i>Catharanthus roseus</i> : The role of internal ammonium and free amino acids during salt stress. <b>2011</b> , 174, 135-144	45
1680	NUTRIENT BIOAVAILABILITY IN SALT AFFECTED SOILS. <b>2011</b> , 34, 945-962	59
1679	Supplemental saline drip irrigation applied at different growth stages of two bell pepper cultivars grown with or without mulch in non-saline soil. <b>2011</b> , 98, 893-898	12
1678	Melon crops ( <i>Cucumis melo</i> L., cv. Tendral) grown in a mediterranean environment under saline-sodic conditions: Part I. Yield and quality. <b>2011</b> , 98, 1329-1338	19

1677	Long-term growth, water consumption and yield of date palm as a function of salinity. <b>2011</b> , 99, 128-134	63
1676	Integral energy of conventional available water, least limiting water range and integral water capacity for better characterization of water availability and soil physical quality. <b>2011</b> , 166, 34-42	36
1675	Factors affecting EODAP content in <i>Lathyrus sativus</i> and their possible physiological mechanisms. <b>2011</b> , 49, 543-9	48
1674	EODAP accumulation could be related to low levels of superoxide anion and hydrogen peroxide in <i>Lathyrus sativus</i> L. <b>2011</b> , 49, 556-62	25
1673	. <b>2011</b> ,	3
1672	Beyond the ionic and osmotic response to salinity in <i>Chenopodium quinoa</i> : functional elements of successful halophytism. <b>2011</b> , 38, 818-831	98
1671	Seed imbibition in <i>Medicago truncatula</i> Gaertn.: Expression profiles of DNA repair genes in relation to PEG-mediated stress. <b>2011</b> , 168, 706-13	76
1670	Differentially expressed genes in <i>Populus simonii</i> x <i>Populus nigra</i> in response to NaCl stress using cDNA-AFLP. <b>2011</b> , 180, 796-801	14
1669	Effect of 24-epibrassinolide on growth, yield, antioxidant system and cadmium content of bean ( <i>Phaseolus vulgaris</i> L.) plants under salinity and cadmium stress. <b>2011</b> , 129, 232-237	236
1668	Effects of cultural cycles and nutrient solutions on plant growth, yield and fruit quality of alpine strawberry ( <i>Fragaria vesca</i> L.) grown in hydroponics. <b>2011</b> , 129, 479-485	38
1667	Role of 24-epibrassinolide in mitigating the adverse effects of salt stress on stomatal conductance, membrane permeability, and leaf water content, ionic composition in salt stressed strawberry ( <i>Fragaria nanassa</i> ). <b>2011</b> , 130, 133-140	50
1666	Physiological responses and adaptive strategies of tomato plants to salt and alkali stresses. <b>2011</b> , 130, 248-255	55
1665	Salinity stress in tomatoes can be alleviated by grafting and potassium depending on the rootstock and K-concentration employed. <b>2011</b> , 130, 615-623	28
1664	Effect of dynamic unequal distribution of salts in the root environment on performance and Crop Per Drop (CPD) of hydroponic-grown tomato. <b>2011</b> , 131, 1-5	15
1663	The role of mitochondrial respiration in salinity tolerance. <b>2011</b> , 16, 614-23	148
1662	Soil Properties and Wheat Growth and Nutrients as Affected by Compost Amendment Under Saline Water Irrigation. <b>2011</b> , 21, 773-781	17
1661	Effects of Salinity and Potassium Application on Antioxidant Enzyme Activities and Physiological Parameters in Pearl Millet. <b>2011</b> , 10, 228-237	19
1660	Recent Advances in Photosynthesis Under Drought and Salinity. <b>2011</b> , 57, 49-104	67

1659	Plant Adaptations to Salt and Water Stress. <b>2011</b> , 1-32	100
1658	Short-term effects of alternative de-icing chemicals on tree sapling performance. <b>2011</b> , 10, 53-59	15
1657	Identification of drought-tolerant plants for roadside greening—An evaluation of chlorophyll fluorescence as an indicator to screen for drought tolerance. <b>2011</b> , 10, 177-184	12
1656	Cultivo hidropônico de plântulas de sorgo sob estresse salino com sementes envelhecidas artificialmente e osmocondicionadas. <b>2011</b> , 41, 10-16	
1655	Germinação e desenvolvimento inicial de clones de cajueiro comum sob irrigação com água salina. <b>2011</b> , 15, 390-394	13
1654	Accumulation of organic and inorganic solutes in NaCl-stressed sorghum seedlings from aged and primed seeds. <b>2011</b> , 68, 632-637	13
1653	Potencial hídrico do substrato e teor de água das sementes na germinação do crame. <b>2011</b> , 33, 511-519	5
1652	Impacto da salinidade no desenvolvimento e crescimento de mudas de carnaúba ( <i>Copernicia prunifera</i> (Miller) H.E.Moore). <b>2011</b> , 15, 47-52	4
1651	Interação entre salinidade e biofertilizante bovino na cultura do feijão-de-corda. <b>2011</b> , 15, 383-389	16
1650	Effects of salt and alkali stresses on growth and ion balance in rice ( <i>Oryza sativa</i> L.). <b>2011</b> , 57, 286-294	48
1649	The effect of salinity stress on ions and soluble sugars distribution in leaves, leaf sheaths and roots of rice ( <i>Oryza sativa</i> L.) seedlings. <b>2011</b> , 57, 26-33	68
1648	Salt stress induced damages on the photosynthesis of physic nut young plants. <b>2011</b> , 68, 62-68	65
1647	Rising from the sea: correlations between sulfated polysaccharides and salinity in plants. <b>2011</b> , 6, e18862	100
1646	Characteristics of Na <sup>+</sup> and K <sup>+</sup> absorption in <i>Suaeda salsa</i> (L.) Pall.. <b>2011</b> , 57, 377-386	15
1645	Seawater-irrigation effects on growth, ion concentration, and photosynthesis of transgenic poplar overexpressing the Na <sup>+</sup> /H <sup>+</sup> antiporter AtNHX1. <b>2011</b> , 174, 301-310	9
1644	Zeolitized tuffs in pedotechniques to improve soil resilience against the impact of treatment by municipal sewage: balance of nutrient and noxious cations. <b>2011</b> , 46, 261-278	6
1643	Examining the salt tolerance of willow ( <i>Salix</i> spp.) bioenergy species for use on salt-affected agricultural lands. <b>2011</b> , 91, 509-517	39
1642	Review. <b>2011</b> , 59, 15-28	14

1641	Durum wheat salt tolerance in relation to physiological, yield and quality characters. <b>2011</b> , 39, 525-534	17
1640	Evaluation of Sugarcane ( <i>Saccharum officinarum</i> L.) Somaclonals Tolerance to Salinity Via In Vitro and In Vivo. <b>2011</b> , 18, 91-96	4
1639	Interactive effects of salinity and phosphorus availability on growth, water relations, nutritional status and photosynthetic activity of barley ( <i>Hordeum vulgare</i> L.). <b>2011</b> , 13, 872-80	29
1638	Growth Properties and Ion Distribution in Different Tissues of Bread Wheat Genotypes ( <i>Triticum aestivum</i> L.) Differing in Salt Tolerance. <b>2011</b> , 197, 21-30	22
1637	Salt (NaCl)-Induced Modulation in some Key Physio-Biochemical Attributes in Okra ( <i>Abelmoschus esculentus</i> L.). <b>2011</b> , 197, 202-213	43
1636	Water Relations and Transpiration of Quinoa ( <i>Chenopodium quinoa</i> Willd.) Under Salinity and Soil Drying. <b>2011</b> , 197, 348-360	104
1635	Comparative ionomics and metabolomics in extremophile and glycophytic Lotus species under salt stress challenge the metabolic pre-adaptation hypothesis. <i>Plant, Cell and Environment</i> , <b>2011</b> , 34, 605-17 <sup>8.4</sup>	104
1634	Effects of saline and alkaline stresses in varying temperature regimes on seed germination of <i>Leymus chinensis</i> from the Songnen Grassland of China. <b>2011</b> , 66, 578-584	18
1633	Effects of magnetized water on the distribution pattern of soil water with respect to time in trickle irrigation. <b>2011</b> , 27, 515-522	16
1632	Sodium transport in plants: a critical review. <b>2011</b> , 189, 54-81	288
1631	Separating multiple, short-term, deleterious effects of saline solutions on the growth of cowpea seedlings. <b>2011</b> , 189, 1110-1121	22
1630	Evaluation of an electrostatic toxicity model for predicting Ni(2+) toxicity to barley root elongation in hydroponic cultures and in soils. <b>2011</b> , 192, 414-27	20
1629	Inhibition of photosystems I and II activities in salt stress-exposed Fenugreek ( <i>Trigonella foenum graecum</i> ). <b>2011</b> , 105, 14-20	20
1628	Effect of salt stress on plant growth and metabolism of bean plant <i>Vicia faba</i> (L.). <b>2011</b> , 10, 7-15	133
1627	Is salinity tolerance related to osmolytes accumulation in <i>Lygeum spartum</i> L. seedlings?. <b>2011</b> , 10, 81-87	14
1626	Arsenic accumulation and distribution in relation to young seedling growth in <i>Atriplex atacamensis</i> Phil. <b>2011</b> , 412-413, 286-95	46
1625	Water deficit and growth. Co-ordinating processes without an orchestrator?. <b>2011</b> , 14, 283-9	148
1624	Rapid changes in leaf elongation, ABA and water status during the recovery phase following application of water stress in two durum wheat varieties differing in drought tolerance. <b>2011</b> , 49, 1077-83	16

1623	Possible involvement of polyphenols and polyamines in salt tolerance of almond rootstocks. <b>2011</b> , 49, 1313-22	22
1622	Modulation of defence responses by improving photosynthetic activity, antioxidative metabolism, and vincristine and vinblastine accumulation in <i>Catharanthus roseus</i> (L.) G. Don through salicylic acid under water stress. <b>2011</b> , 37, 474-482	8
1621	Effect of salinity and PEG-induced water stress on water status, gas exchange, solute accumulation, and leaf growth in <i>Ipomoea pes-caprae</i> . <b>2011</b> , 70, 192-203	52
1620	Effects of salt stress on photosystem II efficiency and CO <sub>2</sub> assimilation of two Syrian barley landraces. <b>2011</b> , 73, 64-72	287
1619	Non-stomatal limitations of photosynthesis in grassland species under artificial drought in the field. <b>2011</b> , 71, 192-197	42
1618	Differential proteomic analysis of salt stress response in <i>Sorghum bicolor</i> leaves. <b>2011</b> , 71, 321-328	70
1617	Gene Expression Profiling of Plants under Salt Stress. <b>2011</b> , 30, 435-458	383
1616	Effects of NaCl, Na <sub>2</sub> SO <sub>4</sub> and mannitol on utilization of storage protein and transformation of vacuoles in the cotyledons and seedling roots of alfalfa ( <i>Medicago sativa</i> L.). <b>2011</b> , 37, 11-19	3
1615	Nitrogen application improves gas exchange characteristics and chlorophyll fluorescence in maize hybrids under salinity conditions. <b>2011</b> , 58, 394-401	18
1614	Adaptability of <i>Typha domingensis</i> to high pH and salinity. <b>2011</b> , 20, 457-65	20
1613	Alleviation of salinity stress in broccoli using foliar urea or methyl-jasmonate: analysis of growth, gas exchange, and isotope composition. <b>2011</b> , 63, 55-62	47
1612	Sugarcane genes differentially expressed during water deficit. <b>2011</b> , 55, 43-53	37
1611	Sea level rise and South Florida coastal forests. <b>2011</b> , 107, 81-108	94
1610	Effects of various mixed salt-alkaline stresses on growth, photosynthesis, and photosynthetic pigment concentrations of <i>Medicago ruthenica</i> seedlings. <b>2011</b> , 49, 275-284	69
1609	Comparative effects of osmotic-, salt- and alkali stress on growth, photosynthesis, and osmotic adjustment of cotton plants. <b>2011</b> , 49,	35
1608	<i>Hordeum marinum</i> -wheat amphiploids maintain higher leaf K <sup>+</sup> :Na <sup>+</sup> and suffer less leaf injury than wheat parents in saline conditions. <b>2011</b> , 348, 365-377	26
1607	A major terminal drought tolerance QTL of pearl millet is also associated with reduced salt uptake and enhanced growth under salt stress. <b>2011</b> , 27, 207-222	23
1606	Proteomic response of barley leaves to salinity. <b>2011</b> , 38, 5055-63	63



1605	Ectopic expression of an osmotin gene leads to enhanced salt tolerance in transgenic chilli pepper ( <i>Capsicum annum</i> L.). <b>2011</b> , 105, 181-192	63
1604	Salt tolerance of common green roof and green wall plants. <b>2011</b> , 14, 783-794	7
1603	Elemental composition of arbuscular mycorrhizal fungi at high salinity. <b>2011</b> , 21, 117-29	133
1602	Transgenic expression of TaMYB2A confers enhanced tolerance to multiple abiotic stresses in <i>Arabidopsis</i> . <b>2011</b> , 11, 445-65	86
1601	Progress studies of drought-responsive genes in rice. <b>2011</b> , 30, 297-310	209
1600	MpAsr encodes an intrinsically unstructured protein and enhances osmotic tolerance in transgenic <i>Arabidopsis</i> . <b>2011</b> , 30, 1219-30	55
1599	Evaluation of salinity tolerance and analysis of allelic function of HvHKT1 and HvHKT2 in Tibetan wild barley. <b>2011</b> , 122, 695-703	103
1598	Suppression of charcoal rot of chickpea by fluorescent <i>Pseudomonas</i> under saline stress condition. <b>2011</b> , 62, 1548-53	27
1597	<i>Spartina alterniflora</i> Loisel., a halophyte grass model to dissect salt stress tolerance. <b>2011</b> , 47, 441-457	23
1596	Effects of salinity and desalination on seed germination of six annual weed species. <b>2011</b> , 22, 475-479	5
1595	Leaf-water relations and ion concentrations of the halophyte <i>Atriplex hortensis</i> in response to salinity and water stress. <b>2011</b> , 33, 335-342	18
1594	Physiological aspects of tolerance in <i>Atriplex halimus</i> L. to NaCl and drought. <b>2011</b> , 33, 547-557	32
1593	Analysis of salinity effects on basil leaf surface area, photosynthetic activity, and growth. <b>2011</b> , 33, 823-833	20
1592	Salicylic acid-mediated changes in photosynthesis, nutrients content and antioxidant metabolism in two mustard ( <i>Brassica juncea</i> L.) cultivars differing in salt tolerance. <b>2011</b> , 33, 877-886	88
1591	Influence of NaCl-salinity on growth, photosynthesis, water relations and solute accumulation in <i>Phragmites australis</i> . <b>2011</b> , 33, 963-971	38
1590	Anatomical and physiological characteristics relating to ionic relations in some salt tolerant grasses from the Salt Range, Pakistan. <b>2011</b> , 33, 1399-1409	22
1589	Osmotic adjustment, water relations and growth attributes of the xero-halophyte <i>Reaumuria vermiculata</i> L. (Tamaricaceae) in response to salt stress. <b>2011</b> , 33, 1425-1433	10
1588	Case study of a biological control: <i>Geobacillus caldxylosilyticus</i> (IRD) contributes to alleviate salt stress in maize ( <i>Zea mays</i> L.) plants. <b>2011</b> , 33, 2289-2299	7

1587	Proteomic identification of OsCYP2, a rice cyclophilin that confers salt tolerance in rice ( <i>Oryza sativa</i> L.) seedlings when overexpressed. <b>2011</b> , 11, 34	80
1586	Reactive oxygen species and transcript analysis upon excess light treatment in wild-type <i>Arabidopsis thaliana</i> vs a photosensitive mutant lacking zeaxanthin and lutein. <b>2011</b> , 11, 62	81
1585	Rapid and sensitive hormonal profiling of complex plant samples by liquid chromatography coupled to electrospray ionization tandem mass spectrometry. <b>2011</b> , 7, 37	232
1584	Genetic, proteomic and metabolic analysis of the regulation of energy storage in rice seedlings in response to drought. <b>2011</b> , 11, 4122-38	67
1583	Novel varieties of broccoli for optimal bioactive components under saline stress. <b>2011</b> , 91, 1638-47	29
1582	Salt effects on <i>Origanum majorana</i> fatty acid and essential oil composition. <b>2011</b> , 91, 2613-20	16
1581	Abiotic Stress and Metabolomics. <b>2011</b> , 61-85	9
1580	Understanding patterns of vegetation degradation at meaningful scales within saline landscapes. <b>2011</b> , 4, 841-854	4
1579	Physiological responses to salinity in the yellow-horned poppy, <i>Glaucium flavum</i> . <b>2011</b> , 49, 186-94	23
1578	Influence of salt stress on growth, lipid peroxidation and antioxidative enzyme activity in borage ( <i>Borago officinalis</i> L.). <b>2011</b> , 145, 362-369	16
1577	Symbiotic association between soybean plants and <i>Bradyrhizobium japonicum</i> develops oxidative stress and heme oxygenase-1 induction at early stages. <b>2011</b> , 16, 49-55	3
1576	Ion transport and osmotic adjustment in plants and bacteria. <b>2011</b> , 2, 407-19	76
1575	Expansins are divergently abundant in maize cultivars that contrast in their degree of salt resistance. <b>2011</b> , 6, 1279-81	6
1574	Homeostatic control of polyamine levels under long-term salt stress in <i>Arabidopsis</i> : changes in putrescine content do not alleviate ionic toxicity. <b>2011</b> , 6, 237-42	7
1573	Response of mitochondrial thioredoxin PsTrxo1, antioxidant enzymes, and respiration to salinity in pea ( <i>Pisum sativum</i> L.) leaves. <b>2011</b> , 62, 3863-74	77
1572	Major genes for Na <sup>+</sup> exclusion, Nax1 and Nax2 (wheat HKT1;4 and HKT1;5), decrease Na <sup>+</sup> accumulation in bread wheat leaves under saline and waterlogged conditions. <b>2011</b> , 62, 2939-47	267
1571	Early response in water relations influenced by NaCl reflects tolerance or sensitivity of barley plants to salinity stress via aquaporins. <b>2011</b> , 57, 50-60	14
1570	Salt-induced stress responses of <i>Brassica</i> ( <i>Brassica juncea</i> L.) genotypes. <b>2011</b> , 57, 127-136	5

1569	Plant Responses to Saline and Sodic Conditions. <b>2011</b> , 169-205	10
1568	Ameliorative Effect of Foliar Nutrient Supply on Growth, Inorganic Ions, Membrane Permeability, and Leaf Relative Water Content of Physalis Plants under Salinity Stress. <b>2011</b> , 42, 408-423	7
1567	TaABC1, a member of the activity of bc1 complex protein kinase family from common wheat, confers enhanced tolerance to abiotic stresses in Arabidopsis. <b>2011</b> , 62, 1299-311	42
1566	Growth, Water Status, and Nutrient Accumulation of Seedlings of Tamarindus indica Linn. in Response to Soil Salinity. <b>2011</b> , 42, 1675-1691	0
1565	Interactive effects of water supply and defoliation on photosynthesis, plant water status and growth of Eucalyptus globulus Labill. <b>2012</b> , 32, 958-67	39
1564	The new understanding of Arabidopsis thaliana proteins associated with salinity. <b>2012</b> , 7, 348-355	4
1563	Possible Role of Nutritional Priming for Early Salt and Drought Stress Responses in Medicago truncatula. <b>2012</b> , 3, 285	28
1562	Drought and Salinity Stress: Changes in Hydratase and Dehydratase Activities of Thylakoid-Associated Carbonic Anhydrase in Pea Seedlings. <b>2012</b> , 173, 7-15	2
1561	Growth and Physiological Responses of Maize and Sorghum Genotypes to Salt Stress. <b>2012</b> , 2012, 1-12	15
1560	Growth and Physiological Responses of Phaseolus Species to Salinity Stress. <b>2012</b> , 2012, 1-13	17
1559	Ion exchangers NHX1 and NHX2 mediate active potassium uptake into vacuoles to regulate cell turgor and stomatal function in Arabidopsis. <b>2012</b> , 24, 1127-42	401
1558	Evaluation of wheat landrace genotypes for salinity tolerance at vegetative stage by using morphological and molecular markers. <b>2012</b> , 11, 679-92	43
1557	Stress-induced GSK3 regulates the redox stress response by phosphorylating glucose-6-phosphate dehydrogenase in Arabidopsis. <b>2012</b> , 24, 3380-92	108
1556	Phenotypic plasticity and water flux rates of Citrus root orders under salinity. <b>2012</b> , 63, 2717-27	51
1555	TaNAC2, a NAC-type wheat transcription factor conferring enhanced multiple abiotic stress tolerances in Arabidopsis. <b>2012</b> , 63, 2933-46	233
1554	Acclimation to high salinity in the invasive CAM plant Aptenia cordifolia. <b>2012</b> , 5, 403-410	6
1553	Effect of Salt Stress on Growth and Chlorophyll Content of Some Cultivated Cotton Varieties Grown in Syria. <b>2012</b> , 43, 1976-1983	10
1552	Effect of NaCl stress on rice physiological properties. <b>2012</b> , 45, 228-243	1

1551	Responses of <i>Jatropha curcasto</i> Salt and Drought Stresses. <b>2012</b> , 2012, 1-7	19
1550	The Effects of Cation Ratios on Root Lamella Suberization in Rice ( <i>Oryza sativa</i> L.) with Contrasting Salt Tolerance. <b>2012</b> , 2012, 1-8	4
1549	<i>Trachyspermum ammi</i> . <b>2012</b> , 6, 56-60	81
1548	Overexpression of Rab16A gene in indica rice variety for generating enhanced salt tolerance. <b>2012</b> , 7, 502-9	59
1547	Tackling drought stress: receptor-like kinases present new approaches. <b>2012</b> , 24, 2262-78	118
1546	Enhancement of non-photochemical quenching in the Bryophyte <i>Physcomitrella patens</i> during acclimation to salt and osmotic stress. <b>2012</b> , 53, 1815-25	33
1545	Difference in sodium spatial distribution in the shoot of two canola cultivars under saline stress. <b>2012</b> , 53, 1083-92	13
1544	The impact of winter flooding with saline water on foliar carbon uptake and the volatile fraction of leaves and fruits of lemon ( <i>Citrus limon</i> ) trees. <b>2012</b> , 39, 199-213	13
1543	Graphic analysis of salinity tolerance traits of rice ( <i>Oryza sativa</i> L.) using biplot method. <b>2012</b> , 40, 342-350	5
1542	Influence of NaCl treatments on growth and biochemical parameters of castor bean ( <i>Ricinus communis</i> L.). <b>2012</b> , 99,	12
1541	Variations of antioxidative responses in two rice cultivars with polyamine treatment under salinity stress. <b>2012</b> , 18, 301-13	21
1540	Recent molecular advances on downstream plant responses to abiotic stress. <b>2012</b> , 13, 8628-47	106
1539	Salinity-induced changes in protein expression in the halophytic plant <i>Nitraria sphaerocarpa</i> . <b>2012</b> , 75, 5226-43	22
1538	Infrared thermography in plant phenotyping for salinity tolerance. <b>2012</b> , 913, 173-89	19
1537	Responses of Iron-Reducing Bacteria to Salinity and Organic Matter Amendment in Paddy Soils of Thailand. <b>2012</b> , 22, 375-393	15
1536	Age-specific responses to elevated salinity in the coastal marsh plant black needlerush ( <i>Juncus roemerianus</i> Scheele) as determined through polyphasic chlorophyll a fluorescence transients (OJIP). <b>2012</b> , 159, 2137-2147	6
1535	Effects of Salinity on Metabolic Profiles, Gene Expressions, and Antioxidant Enzymes in Halophyte <i>Suaeda salsa</i> . <b>2012</b> , 31, 332-341	36
1534	Comparative Study of Alkaline, Saline, and Mixed Saline-alkaline Stresses with Regard to Their Effects on Growth, Nutrient Accumulation, and Root Morphology of <i>Lotus tenuis</i> . <b>2012</b> , 31, 448-459	41

1533	Morphology, productivity and forage quality of <i>Leucaena leucocephala</i> as influenced by irrigation under field conditions. <b>2012</b> , 86, 73-81	1
1532	Influence of hybrid giant Napier grass on salt and nutrient distributions with depth in a saline soil. <b>2012</b> , 23, 907-16	17
1531	A strategy of Ca <sup>2+</sup> alleviating Na <sup>+</sup> toxicity in salt-treated <i>Cyclocarya paliurus</i> seedlings: photosynthetic and nutritional responses. <b>2012</b> , 68, 351-359	3
1530	Functional screening of cDNA library from a salt tolerant rice genotype Pokkali identifies mannose-1-phosphate guanyl transferase gene (OsMPG1) as a key member of salinity stress response. <b>2012</b> , 79, 555-68	40
1529	Root-Specific DNA Methylation in <i>Chloris virgata</i> , a Natural Alkaline-Resistant Halophyte, in Response to Salt and Alkaline Stresses. <b>2012</b> , 30, 1102-1109	16
1528	Improving crop production in the arid Mediterranean climate. <b>2012</b> , 128, 34-47	109
1527	Asg1 is a stress-inducible gene which increases stomatal resistance in salt stressed potato. <b>2012</b> , 169, 1849-57	10
1526	PHYSIOLOGICAL RESPONSES OF TWO CUCUMBER CULTIVARS TO NITRATE STRESS. <b>2012</b> , 35, 2167-2179	8
1525	INTERACTIVE EFFECTS OF SALINITY AND PHOSPHORUS NUTRITION ON PHYSIOLOGICAL RESPONSES OF TWO BARLEY SPECIES. <b>2012</b> , 35, 1411-1428	11
1524	Effects of non-uniform root zone salinity on water use, Na <sup>+</sup> recirculation, and Na <sup>+</sup> and H <sup>+</sup> flux in cotton. <b>2012</b> , 63, 2105-16	74
1523	Tetraploid Black Locust ( <i>Robinia Pseudoacacia</i> L.) Increased Salt Tolerance by Activation of the Antioxidant System. <b>2012</b> , 26, 3351-3358	10
1522	Comparison of the Effects of Salt Stress and Salt&Alkaline Mixed Stress on the Mineral Nutrition of Sunflower. <b>2012</b> , 43, 1963-1975	3
1521	Plant growth-promoting bacteria as a tool to improve salinity tolerance in sweet pepper. <b>2012</b> , 39, 82-90	114
1520	Differentiation of carbonate, chloride, and sulfate salinity responses in tall fescue. <b>2012</b> , 139, 1-7	15
1519	Modification of OsSUT1 gene expression modulates the salt response of rice <i>Oryza sativa</i> cv. Taipei 309. <b>2012</b> , 182, 101-11	43
1518	An Insight into the Role of Salicylic Acid and Jasmonic Acid in Salt Stress Tolerance. <b>2012</b> , 277-300	36
1517	Photosynthetic and wood anatomical responses of <i>Tamarix africana</i> Poiret to water level reduction after short-term fresh- and saline-water flooding. <b>2012</b> , 27, 857-866	6
1516	Approaches to Increasing Salt Tolerance in Crop Plants. <b>2012</b> , 63-88	10

1515	Metabolomics for salinity research. <b>2012</b> , 913, 203-15	3
1514	Phenolic compounds and saponins in quinoa samples ( <i>Chenopodium quinoa</i> Willd.) grown under different saline and nonsaline irrigation regimens. <b>2012</b> , 60, 4620-7	91
1513	Optimizing parameters of salinity stress reduction function using the relationship between root-water-uptake and root nitrogen mass of winter wheat. <b>2012</b> , 104, 142-152	19
1512	An artificial capillary barrier to improve root-zone conditions for horticultural crops: Response of pepper plants to matric head and irrigation water salinity. <b>2012</b> , 105, 13-20	13
1511	Quantitative evaluation of multi-walled carbon nanotube uptake in wheat and rapeseed. <b>2012</b> , 227-228, 155-63	94
1510	Identification of differentially expressed salt-responsive proteins in roots of two perennial grass species contrasting in salinity tolerance. <b>2012</b> , 169, 117-26	36
1509	Overexpression of monodehydroascorbate reductase from a mangrove plant (AeMDHAR) confers salt tolerance on rice. <b>2012</b> , 169, 311-8	72
1508	Seed priming effects on growth, lipid peroxidation, and activity of ROS scavenging enzymes in NaCl-stressed sorghum seedlings from aged seeds. <b>2012</b> , 7, 151-159	17
1507	Modulation of polyamine levels in ginseng hairy root cultures subjected to salt stress. <b>2012</b> , 59, 757-765	6
1506	Effects of salt stress on ion balance and nitrogen metabolism of old and young leaves in rice ( <i>Oryza sativa</i> L.). <b>2012</b> , 12, 194	108
1505	Salinity tolerance mechanisms in glycophytes: An overview with the central focus on rice plants. <b>2012</b> , 5, 11	199
1504	The art of growing plants for experimental purposes: a practical guide for the plant biologist. <b>2012</b> , 39, 821-838	144
1503	The Vibrating Probe Technique in the Study of Root Physiology Under Stress. <b>2012</b> , 67-81	4
1502	Chlorophyll a Fluorescence in Abiotic Stress. <b>2012</b> , 359-398	6
1501	Integrating genomics and genetics to accelerate development of drought and salinity tolerant crops. <b>2012</b> , 271-286	1
1500	Invasive knotweeds are highly tolerant to salt stress. <b>2012</b> , 50, 1027-34	11
1499	Genetic variability for responses to short- and long-term salt stress in vegetative sunflower plants. <b>2012</b> , 175, 882-890	7
1498	Osmotic Adjustment Under Drought Conditions. <b>2012</b> , 199-229	48

1497	Overview of Plant Stresses: Mechanisms, Adaptations and Research Pursuit. <b>2012</b> , 1-18	9
1496	Variation in Salt Tolerance of Wheat Cultivars: Role of Glycinebetaine and Ethylene. <b>2012</b> , 22, 746-754	68
1495	Effects of environmental factors on cereal starch biosynthesis and composition. <b>2012</b> , 56, 67-80	150
1494	The effect of salinity increase on the photosynthesis, growth and survival of the Mediterranean seagrass <i>Cymodocea nodosa</i> . <b>2012</b> , 115, 260-271	38
1493	Ectopic expression of a fruit phytoene synthase from <i>Citrus paradisi</i> Macf. promotes abiotic stress tolerance in transgenic tobacco. <b>2012</b> , 39, 10201-9	23
1492	Salinity Stress: A Major Constraint in Crop Production. <b>2012</b> , 71-96	11
1491	Carrizo citrange plants do not require the presence of roots to modulate the response to osmotic stress. <b>2012</b> , 2012, 795396	12
1490	Changes in the antioxidative systems of <i>Ocimum basilicum</i> L. (cv. Fine) under different sodium salts. <b>2012</b> , 34, 1873-1881	26
1489	Luteolin, a bioactive flavone compound extracted from <i>Cichorium endivia</i> L. subsp. <i>divaricatum</i> alleviates the harmful effect of salinity on maize. <b>2012</b> , 34, 2165-2177	16
1488	Leaf photosynthesis, chlorophyll fluorescence, ion content and free amino acids in <i>Caragana korshinskii</i> Kom exposed to NaCl stress. <b>2012</b> , 34, 2285-2295	20
1487	Genotypic variability among soybean genotypes under NaCl stress and proteome analysis of salt-tolerant genotype. <b>2012</b> , 168, 2309-29	43
1486	Responses of barley to hypoxia and salinity during seed germination, nutrient uptake, and early plant growth in solution culture. <b>2012</b> , 175, 630-640	18
1485	Physiological and molecular aspects of salt stress in plants. <b>2012</b> , 46, 302-318	64
1484	Effect of salinity on canopy water vapor conductance of young and 3-year old <i>Jatropha curcas</i> L.. <b>2012</b> , 87, 35-41	11
1483	Marschner's Mineral Nutrition of Higher Plants - Pages 483-643. <b>2012</b> , 483-643	
1482	Establishing woody perennials on hostile soils in arid and semi-arid regions – A review. <b>2012</b> , 360, 55-76	15
1481	Evaluation of salt tolerance at the seedling stage in rice genotypes by growth performance, ion accumulation, proline and chlorophyll content. <b>2012</b> , 358, 235-249	42
1480	Comparison of ion balance and nitrogen metabolism in old and young leaves of alkali-stressed rice plants. <b>2012</b> , 7, e37817	36

1479	Comparative transcriptome analysis of two olive cultivars in response to NaCl-stress. <b>2012</b> , 7, e42931	33
1478	High tolerance to salinity and herbivory stresses may explain the expansion of <i>Ipomoea cairica</i> to salt marshes. <b>2012</b> , 7, e48829	10
1477	Dry matter allocation in <i>Medicago arborea</i> and <i>Medicago citrina</i> in response to drought and defoliation. <b>2012</b> , 63, 179	6
1476	Osmotic Stress Induces the Expression of VvMAP Kinase Gene in Grapevine ( <i>Vitis vinifera</i> L.). <b>2012</b> , 2012, 1-4	4
1475	Saline Agriculture in the 21st Century: Using Salt Contaminated Resources to Cope Food Requirements. <b>2012</b> , 2012, 1-7	70
1474	Involvement of source-sink relationship and hormonal control in the response of <i>Medicago ciliaris</i> - <i>Sinorhizobium medicae</i> symbiosis to salt stress. <b>2012</b> , 63, 97-112	4
1473	Effect of salt stress on physiological response of tomato fruit grown in hydroponic culture system. <b>2012</b> , 39, 26-32	5
1472	&nbsp; Effects of salt stress on ion balance and nitrogen metabolism in rice. <b>2012</b> , 58, 62-67	15
1471	Recent Advances in Research on Japanese Pear Rootstocks. <b>2012</b> , 81, 1-10	12
1470	Transporte e distribui� de pot�ssio atenuam os efeitos t�xicos do s�dio em plantas jovens de pinh�-manso. <b>2012</b> , 36, 223-232	12
1469	Effect of irrigation water salinity and cutting age on the components of biomass of <i>Echinochloa pyramidalis</i> . <b>2012</b> , 41, 550-556	2
1468	The upregulation of thiamine (vitamin B1) biosynthesis in <i>Arabidopsis thaliana</i> seedlings under salt and osmotic stress conditions is mediated by abscisic acid at the early stages of this stress response. <b>2012</b> , 12, 2	103
1467	POTENTIAL FOR VEGETATION-BASED RIVER MANAGEMENT IN DRYLAND, SALINE CATCHMENTS. <b>2012</b> , 28, 1072-1092	5
1466	Role of Arbuscular Mycorrhizal (AM) Fungi on Growth, Cadmium Uptake, Osmolyte, and Phytochelatin Synthesis in <i>Cajanus cajan</i> (L.) Millsp. Under NaCl and Cd Stresses. <b>2012</b> , 31, 292-308	70
1465	Phytohormones in Salinity Tolerance: Ethylene and Gibberellins Cross Talk. <b>2012</b> , 77-98	13
1464	Revelation of the early responses of salt tolerance in maize via SSH libraries. <b>2012</b> , 34, 265-273	4
1463	Regulation of metabolomics in <i>Atriplex halimus</i> growth under salt and drought stress. <b>2012</b> , 67, 281-304	44
1462	Responses of two invasive macrophyte species to salt. <b>2012</b> , 686, 213-223	20



1461	Water deficit and salt stress diagnosis through LED induced chlorophyll fluorescence analysis in <i>Jatropha curcas</i> L. <b>2012</b> , 22, 623-30	7
1460	Alteration of nitrogen metabolism in rice variety 'Nipponbare' induced by alkali stress. <b>2012</b> , 355, 131-147	37
1459	Salinity-Induced Effects in the Halophyte <i>Suaeda salsa</i> Using NMR-based Metabolomics. <b>2012</b> , 30, 590-598	13
1458	Metabolomics demonstrates divergent responses of two <i>Eucalyptus</i> species to water stress. <b>2012</b> , 8, 186-200	80
1457	Molecular cloning and characterisation of a cDNA encoding a putative alkaline alpha-galactosidase from grapevine ( <i>Vitis vinifera</i> L.) that is differentially expressed under osmotic stress. <b>2012</b> , 34, 891-903	7
1456	Short-term response of wild grapevines ( <i>Vitis vinifera</i> L. ssp. <i>silvestris</i> ) to NaCl salinity exposure: changes of some physiological and molecular characteristics. <b>2012</b> , 34, 957-968	18
1455	Membrane permeability and micro- and macroelement accumulation in spring wheat cultivars during the short-term effect of salinity- and PEG-induced water stress. <b>2012</b> , 34, 985-995	64
1454	Risk of municipal solid waste compost and sewage sludge use on photosynthetic performance in common crop ( <i>Triticum durum</i> ). <b>2012</b> , 34, 1017-1026	10
1453	Tolerance of Mediterranean seagrasses ( <i>Posidonia oceanica</i> and <i>Cymodocea nodosa</i> ) to hypersaline stress: water relations and osmolyte concentrations. <b>2012</b> , 159, 1129-1141	39
1452	Overexpression of <i>Arabidopsis thaliana</i> Na <sup>+</sup> /H <sup>+</sup> antiporter gene enhanced salt resistance in transgenic poplar ( <i>Populus euramericana</i> 'Neva'). <b>2012</b> , 26, 685-694	34
1451	Brassinolide alleviates salt stress and increases antioxidant activity of cowpea plants ( <i>Vigna sinensis</i> ). <b>2012</b> , 249, 625-35	82
1450	Alleviation of salt stress in lemongrass by salicylic acid. <b>2012</b> , 249, 709-20	37
1449	<i>Arabidopsis</i> histidine kinase 5 regulates salt sensitivity and resistance against bacterial and fungal infection. <b>2012</b> , 194, 168-180	55
1448	Combined use of <sup>13</sup> C, <sup>18</sup> O and <sup>15</sup> N tracks nitrogen metabolism and genotypic adaptation of durum wheat to salinity and water deficit. <b>2012</b> , 194, 230-244	91
1447	Oxidative stress protection and stomatal patterning as components of salinity tolerance mechanism in quinoa ( <i>Chenopodium quinoa</i> ). <b>2012</b> , 146, 26-38	145
1446	Growth-Related Changes in Subcellular Ion Patterns in Maize Leaves ( <i>Zea mays</i> L.) under Salt Stress. <b>2012</b> , 198, 46-56	34
1445	Isolation, characterization, and field evaluation of rice ( <i>Oryza sativa</i> L., Var. IR64) mutants with altered responses to salt stress. <b>2012</b> , 127, 191-202	24
1444	Severe salt stress in <i>Vaccinium myrtillus</i> (L.) in response to Na <sup>+</sup> ion toxicity. <b>2012</b> , 76, 49-53	7

1443	Different antioxidant defense responses to salt stress during germination and vegetative stages of endemic halophyte <i>Gypsophila oblancoolata</i> Bark.. <b>2012</b> , 77, 63-76	86
1442	Osmotic and saline effect on growth, water relations, and ion uptake and translocation in <i>Phlomis purpurea</i> plants. <b>2012</b> , 78, 138-145	65
1441	Canopy position determines the photoprotective demand and antioxidant protection of leaves in salt-stressed <i>Salvia officinalis</i> L. plants. <b>2012</b> , 78, 146-156	26
1440	Comparison of salinity tolerance of three <i>Atriplex</i> spp. in well-watered and drying soils. <b>2012</b> , 83, 62-72	44
1439	Genetic resources of extremotolerant fungi: a method for identification of genes conferring stress tolerance. <b>2012</b> , 111, 360-7	12
1438	Role of calcium in alleviating effect of salinity on germination of <i>Phragmites karka</i> seeds. <b>2012</b> , 78, 122-128	24
1437	Photosynthetic responses to salinity in two obligate halophytes: <i>Sesuvium portulacastrum</i> and <i>Tecticornia indica</i> . <b>2012</b> , 79, 39-47	44
1436	Seasonal variation in productivity, water relations and ion contents of <i>Atriplex halimus</i> spp. <i>schweinfurthii</i> grown in Chott Zehrez wetland, Algeria. <b>2012</b> , 11, 43-49	8
1435	Comparative effect of 28 homobrassinolide and salicylic acid in the amelioration of NaCl stress in <i>Brassica juncea</i> L. <b>2012</b> , 53, 61-8	64
1434	The tolerance of <i>Jatropha curcas</i> seedlings to NaCl: an ecophysiological analysis. <b>2012</b> , 54, 34-42	40
1433	Rhizospheric bacteria alleviate salt-produced stress in sunflower. <b>2012</b> , 95 Suppl, S37-41	40
1432	Modulation of chlorophyll biosynthesis by water stress in rice seedlings during chloroplast biogenesis. <i>Plant, Cell and Environment</i> , <b>2012</b> , 35, 1685-703	8.4 73
1431	Comparison of salt stress resistance genes in transgenic <i>Arabidopsis thaliana</i> indicates that extent of transcriptomic change may not predict secondary phenotypic or fitness effects. <b>2012</b> , 10, 284-300	29
1430	Effects of salt stress on the structure and function of the photosynthetic apparatus in <i>Cucumis sativus</i> and its protection by exogenous putrescine. <b>2012</b> , 146, 285-96	113
1429	Effects of Salinity and Soil Drying on Radiation Use Efficiency, Water Productivity and Yield of Quinoa ( <i>Chenopodium quinoa</i> Willd.). <b>2012</b> , 198, 173-184	52
1428	Effects of partial endosperm removal on embryo dormancy breaking and salt tolerance of <i>Hordeum spontaneum</i> seeds. <b>2012</b> , 59, 423-427	3
1427	Exogenous mammalian sex hormones mitigate inhibition in growth by enhancing antioxidant activity and synthesis reactions in germinating maize seeds under salt stress. <b>2012</b> , 92, 839-43	27
1426	Salicylic acid minimizes nickel and/or salinity-induced toxicity in Indian mustard ( <i>Brassica juncea</i> ) through an improved antioxidant system. <b>2012</b> , 19, 8-18	68

1425	Salinity Effects on Germination and Plant Growth of Prairie Cordgrass and Switchgrass. <b>2012</b> , 5, 225-235	64
1424	Effect of NaCl on fatty acids, phenolics and antioxidant activity of <i>Nigella sativa</i> organs. <b>2012</b> , 34, 379-386	5
1423	Effects of NaCl or Na <sub>2</sub> SO <sub>4</sub> salinity on plant growth, ion content and photosynthetic activity in <i>Ocimum basilicum</i> L.. <b>2012</b> , 34, 607-615	29
1422	Molecular cloning and characterisation of a cDNA encoding a putative alkaline alpha-galactosidase from grapevine ( <i>Vitis vinifera</i> L.) that is differentially expressed under osmotic stress. <b>2012</b> , 34, 731-742	2
1421	Growth Enhancement of Chickpea in Saline Soils Using Plant Growth-Promoting Rhizobacteria. <b>2012</b> , 31, 53-62	54
1420	Foliar Damage, Ion Content, and Mortality Rate of Five Common Roadside Tree Species Treated with Soil Applications of Magnesium Chloride. <b>2012</b> , 223, 847-862	13
1419	Interactions between Ca, Mg, Na and K: alleviation of toxicity in saline solutions. <b>2012</b> , 352, 353-362	27
1418	The genetic and physiological analysis of late-flowering phenotype of T-DNA insertion mutants of AtCAL1 and AtCAL2 in <i>Arabidopsis</i> . <b>2012</b> , 39, 1527-35	3
1417	Contribution of <i>Glomus intraradices</i> inoculation to nutrient acquisition and mitigation of ionic imbalance in NaCl-stressed <i>Trigonella foenum-graecum</i> . <b>2012</b> , 22, 203-17	189
1416	Drought-induced proline accumulation is uninvolved with increased nitric oxide, which alleviates drought stress by decreasing transpiration in rice. <b>2012</b> , 125, 155-64	66
1415	Acclimatation of three co-occurring tree species to water stress and their role as site indicators in mixed pine-oak forests in the Sierra Madre Oriental, Mexico. <b>2012</b> , 131, 355-367	8
1414	The role of effective leaf mixing length in the relationship between the $\delta^{18}O$ of stem cellulose and source water across a salinity gradient. <i>Plant, Cell and Environment</i> , <b>2013</b> , 36, 138-48	8.4 16
1413	Use of rice husk to enhance peach tree performance in soils with limiting physical properties. <b>2013</b> , 129, 19-22	13
1412	Differential effects of ornithine enantiomers on the activity of anti-oxidant enzymes, polyamines content, and growth of tobacco cells under osmotic stresses. <b>2013</b> , 25, 583-8	1
1411	Growth and leaf gas exchange in <i>Populus euphratica</i> across soil water and salinity gradients. <b>2013</b> , 51, 321-329	17
1410	Influence of potassium and sodium nutrition on leaf area components in <i>Eucalyptus grandis</i> trees. <b>2013</b> , 371, 19-35	40
1409	Sodium as nutrient and toxicant. <b>2013</b> , 369, 1-23	181
1408	Differentiation of low-affinity Na <sup>+</sup> uptake pathways and kinetics of the effects of K <sup>+</sup> on Na <sup>+</sup> uptake in the halophyte <i>Suaeda maritima</i> . <b>2013</b> , 368, 629-640	28

1407	Distinguishing natural from anthropogenic stress in plants: physiology, fluorescence and hyperspectral reflectance. <b>2013</b> , 366, 133-141	23
1406	Molecular Characterization of <i>Chenopodium album</i> Chloroplast Small Heat Shock Protein and Its Expression in Response to Different Abiotic Stresses. <b>2013</b> , 31, 1230-1241	8
1405	Characterization of physiological responses of two alfalfa half-sib families with improved salt tolerance. <b>2013</b> , 71, 103-11	29
1404	EFFECT OF SALT STRESS ON RESPIRATION OF VARIOUS WHEAT LINES/CULTIVARS AT EARLY GROWTH STAGES. <b>2013</b> , 36, 243-250	9
1403	<i>Sphaerophysa kotschyana</i> , an endemic species from Central Anatolia: antioxidant system responses under salt stress. <b>2013</b> , 126, 729-42	11
1402	Proteomic analysis indicates massive changes in metabolism prior to the inhibition of growth and photosynthesis of grapevine ( <i>Vitis vinifera</i> L.) in response to water deficit. <b>2013</b> , 13, 49	96
1401	Identification of Traits, Genes, and Crops of the Future. <b>2013</b> , 27-177	1
1400	Influence of abiotic factors on the content of fatty acids of <i>Ulva Intestinalis</i> . <b>2013</b> , 6, 441-447	3
1399	Morphological, physiological and biochemical responses of biofuel plant <i>Euphorbia lathyris</i> to salt stress. <b>2013</b> , 63, 330-340	3
1398	Improving Soybean ( <i>Glycine max</i> L.) N <sub>2</sub> Fixation under Stress. <b>2013</b> , 32, 909-921	40
1397	Differences in Cowpea Root Growth Triggered by Salinity and Dehydration are Associated with Oxidative Modulation Involving Types I and III Peroxidases and Apoplastic Ascorbate. <b>2013</b> , 32, 376-387	21
1396	Genetic variation in the root growth response of barley genotypes to salinity stress. <b>2013</b> , 40, 516-530	30
1395	Ecophysiology of invasive plants: osmotic adjustment and antioxidants. <b>2013</b> , 18, 660-6	53
1394	Modifications of Kyoho grape berry quality under long-term NaCl treatment. <b>2013</b> , 139, 931-7	25
1393	Abscisic acid, indole-3-acetic acid and mineral nutrient changes induced by drought and salinity in longan ( <i>Dimocarpus longan</i> Lour.) plants. <b>2013</b> , 35, 3137-3146	7
1392	Salinity and drought interaction in wheat ( <i>Triticum aestivum</i> L.) is affected by the genotype and plant growth stage. <b>2013</b> , 35, 2761-2768	23
1391	Lupine embryo axes under salinity stress. II. Mitochondrial proteome response. <b>2013</b> , 35, 2383-2392	11
1390	Effect of sodium chloride-induced stress on growth, proline, glycine betaine accumulation, antioxidative defence and bacoside A content in in vitro regenerated shoots of <i>Bacopa monnieri</i> (L.) Pennell. <b>2013</b> , 35, 1943-1953	20

1389	Salt-induced modulation in growth, photosynthesis and antioxidant system in two varieties of Brassica juncea. <b>2013</b> , 20, 183-93		46
1388	The effect of salt stress on Arabidopsis thaliana and Phelipanche ramosa interaction. <b>2013</b> , 53, 452-460		3
1387	Exogenous application of mannitol and thiourea regulates plant growth and oxidative stress responses in salt-stressed maize (Zea mays L.). <b>2013</b> , 8, 234-241		64
1386	Simultaneous treatment with tebuconazole and abscisic acid induces drought and salinity stress tolerance in Arabidopsis thaliana by maintaining key plastid protein levels. <b>2013</b> , 12, 1266-81		15
1385	Biochar mitigates negative effects of salt additions on two herbaceous plant species. <b>2013</b> , 129, 62-8		145
1384	Effects of Salt Stress on Photosynthesis Under Ambient and Elevated Atmospheric CO <sub>2</sub> Concentration. <b>2013</b> , 377-413		4
1383	ΔAminobutyric acid transaminase deficiency impairs central carbon metabolism and leads to cell wall defects during salt stress in Arabidopsis roots. <i>Plant, Cell and Environment</i> , <b>2013</b> , 36, 1009-18	8.4	87
1382	Dynamics of chloroplast proteome in salt-stressed mangrove Kandelia candel (L.) Druce. <b>2013</b> , 12, 5124-36		76
1381	A spatio-temporal understanding of growth regulation during the salt stress response in Arabidopsis. <b>2013</b> , 25, 2132-54		238
1380	Regulation of photosynthesis by ion channels in cyanobacteria and higher plants. <b>2013</b> , 182, 51-7		26
1379	Belowground dynamics in two olive varieties as affected by saline irrigation. <b>2013</b> , 162, 313-319		10
1378	Dynamic shoot and root growth at different developmental stages of tomato (Solanum lycopersicum Mill.) under acute ozone stress. <b>2013</b> , 150, 317-325		9
1377	Salt tolerance of Centaurea ragusina L. is associated with efficient osmotic adjustment and increased antioxidative capacity. <b>2013</b> , 87, 39-48		32
1376	Current Concepts about Salinity and Salinity Tolerance in Plants. <b>2013</b> , 163-188		2
1375	Response of Potato (Solanum tuberosum L.) Germplasm to Water Stress Under In Vitro Conditions. <b>2013</b> , 90, 591-606		6
1374	A new phenotyping technique for screening for drought tolerance in lentil (Lens culinaris Medik.). <b>2013</b> , 132, 185-190		23
1373	Soil water and its management. <b>2013</b> , 269-322		2
1372	Modelling of soil salinity and halophyte crop production. <b>2013</b> , 92, 186-196		11

1371	Soil Salinity Dynamics under Drip Irrigation and Mulch Film and Their Effects on Cotton Root Length. <b>2013</b> , 44, 1489-1502	14
1370	Physiological and Biochemical Responses Reveal the Drought Tolerance Efficacy of the Halophyte <i>Salicornia brachiata</i> . <b>2013</b> , 32, 342-352	37
1369	Effect of NaCl salinity on <i>Atriplex nummularia</i> (L.) with special emphasis on carbon and nitrogen metabolism. <b>2013</b> , 35, 1025-1038	38
1368	Potentiality of Sulphur-Containing Compounds in Salt Stress Tolerance. <b>2013</b> , 443-472	21
1367	Adaptive Plasticity of Salt-Stressed Root Systems. <b>2013</b> , 169-201	22
1366	Plant Response to Salt Stress and Role of Exogenous Protectants to Mitigate Salt-Induced Damages. <b>2013</b> , 25-87	172
1365	Salt stress or salt shock: which genes are we studying?. <b>2013</b> , 64, 119-27	170
1364	Estimation of salt tolerance in <i>Andrographis paniculata</i> accessions using multiple regression model. <b>2013</b> , 189, 147-160	17
1363	Common bean ( <i>Phaseolus vulgaris</i> L.) seedlings overcome NaCl stress as a result of presoaking in <i>Moringa oleifera</i> leaf extract. <b>2013</b> , 162, 63-70	88
1362	Towards making willows potential bio-resources in the South: Northern <i>Salix</i> hybrids can cope with warm and dry climate when irrigated. <b>2013</b> , 51, 136-144	9
1361	Salinity limits of vegetation in Cienega de Santa Clara, an oligotrophic marsh in the delta of the Colorado River, Mexico: Implications for an increase in salinity. <b>2013</b> , 59, 157-166	13
1360	Influence of water status on sensory profiles of Ontario Riesling wines. <b>2013</b> , 54, 881-891	9
1359	Amber inorganic geochemistry: New insights into the environmental processes in a Cretaceous forest of France. <b>2013</b> , 369, 220-227	10
1358	Improving Crop Production in the Arid Mediterranean Climate. <b>2013</b> , 187-209	1
1357	Dissecting the stress metabolic alterations in in vitro <i>Cyrtanthus</i> regenerants. <b>2013</b> , 65, 102-10	27
1356	Osmotic priming effects on emergence of <i>Physalis angulata</i> and the influence of abiotic stresses on physalin content. <b>2013</b> , 88, 191-197	1
1355	Ethylene promotes germination of <i>Arabidopsis</i> seed under salinity by decreasing reactive oxygen species: evidence for the involvement of nitric oxide simulated by sodium nitroprusside. <b>2013</b> , 73, 211-8	56
1354	Differences in photosynthetic performance and its correlation with growth among tomato cultivars in response to different salts. <b>2013</b> , 63, 61-9	13

1353	Morpho-physiological variations in response to NaCl stress during vegetative and reproductive development of rice. <b>2013</b> , 35, 323-333	21
1352	Biotechnology for mechanisms that counteract salt stress in extremophile species: a genome-based view. <b>2013</b> , 7, 27-37	22
1351	Abiotic and Biotic Stress Tolerance in Plants. <b>2013</b> , 1-20	8
1350	Selecting salt-tolerant clones and evaluating genetic variability to obtain parents of new diploid and tetraploid germplasm in rhodesgrass ( <i>Chloris gayana</i> K.). <b>2013</b> , 84, 88-93	3
1349	Apoplastic Na <sup>+</sup> in <i>Vicia faba</i> Leaves Rises After Short-Term Salt Stress and Is Remedied by Silicon. <b>2013</b> , 199, 161-170	46
1348	Effect of zinc nutrition on salinity-induced oxidative damages in wheat genotypes differing in zinc deficiency tolerance. <b>2013</b> , 35, 881-889	10
1347	Enhancing Plant Productivity Under Salt Stress: Relevance of Poly-omics. <b>2013</b> , 113-156	44
1346	Approaches to Improving Salt Tolerance in Maize. <b>2013</b> , 261-281	2
1345	ABA: Role in Plant Signaling Under Salt Stress. <b>2013</b> , 175-196	10
1344	Endodermal ABA signaling promotes lateral root quiescence during salt stress in <i>Arabidopsis</i> seedlings. <b>2013</b> , 25, 324-41	268
1343	Changes in Photosystem II in Response to Salt Stress. <b>2013</b> , 149-168	6
1342	Plant Tissue Culture: A Useful Measure for the Screening of Salt Tolerance in Plants. <b>2013</b> , 465-495	1
1341	Comparative roles of brassinosteroids and polyamines in salt stress tolerance. <b>2013</b> , 35, 2037-2053	23
1340	Alleviation of Salinity Stress With Sodium Nitroprusside in Tomato. <b>2013</b> , 19, 164-176	11
1339	EFFECT OF POTASSIUM NUTRITION ON SOLUTE ACCUMULATION, ION COMPOSITION AND YIELD OF MAIZE HYBRIDS GROWN UNDER SALINE CONDITIONS. <b>2013</b> , 36, 143-163	3
1338	Bioprospecting and Genetic Engineering of Mangrove Genes to Enhance Salinity Tolerance in Crop Plants. <b>2013</b> , 385-456	3
1337	Phenolic Content Changes in Plants Under Salt Stress. <b>2013</b> , 283-314	31
1336	Salt tolerance mechanisms in quinoa ( <i>Chenopodium quinoa</i> Willd.). <b>2013</b> , 92, 43-54	195

- 1335 Relationship between survival and yield related traits in *Solanum pimpinellifolium* under salt stress. **2013**, 190, 215-228 33
- 1334 Protein contribution to plant salinity response and tolerance acquisition. **2013**, 14, 6757-89 127
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- 1332 Soil and Water Management for Sustained Agriculture in Alluvial Plains and Flood Plains Exposed to Salinity: A Case of Neretva River Valley. **2013**, 473-494
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- 1325 Bottle gourd rootstock-grafting affects nitrogen metabolism in NaCl-stressed watermelon leaves and enhances short-term salt tolerance. **2013**, 170, 653-61 32
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- 1323 Wood Formation Under Drought Stress and Salinity. **2013**, 187-202 12
- 1322 Effect of sodium chloride on gas exchange, antioxidative defense mechanism and ion accumulation in different cultivars of Indian jujube (*Ziziphus mauritiana* L.). **2013**, 51, 95-101 10
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- 1320 Distribution of phenolic compounds and antioxidant activity between young and old leaves of *Carthamus tinctorius* L. and their induction by salt stress. **2013**, 35, 1161-1169 26
- 1319 Iodine effects on phenolic metabolism in lettuce plants under salt stress. **2013**, 61, 2591-6 32
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1317	Alfalfa ( <i>Medicago sativa</i> L.) clones tolerant to salt stress: in vitro selection. <b>2013</b> , 8, 765-776	10
1316	Elucidation of salt stress defense and tolerance mechanisms of crop plants using proteomics--current achievements and perspectives. <b>2013</b> , 13, 1885-900	36
1315	Ethylene improves <i>Arabidopsis</i> salt tolerance mainly via retaining K <sup>+</sup> in shoots and roots rather than decreasing tissue Na <sup>+</sup> content. <b>2013</b> , 86, 60-69	52
1314	The effects of salt stress on growth, water relations and ion accumulation in two halophyte <i>Atriplex</i> species. <b>2013</b> , 86, 17-28	68
1313	Alleviation of deleterious effects of salt stress by applications of supplementary potassium-calcium on spinach. <b>2013</b> , 63, 184-192	0
1312	Divergences in morphological changes and antioxidant responses in salt-tolerant and salt-sensitive rice seedlings after salt stress. <b>2013</b> , 70, 325-35	67
1311	Constitutive expression of a miR319 gene alters plant development and enhances salt and drought tolerance in transgenic creeping bentgrass. <b>2013</b> , 161, 1375-91	272
1310	Genetic variation in salt tolerance at the seedling stage in an interspecific backcross inbred line population of cultivated tetraploid cotton. <b>2013</b> , 194, 1-11	29
1309	Evaluation of abiotic stress tolerance in transgenic potato plants with reduced expression of PSII manganese stabilizing protein. <b>2013</b> , 198, 7-16	45
1308	Drought tolerance in wild plant populations: the case of common beans ( <i>Phaseolus vulgaris</i> L.). <b>2013</b> , 8, e62898	60
1307	Advances in functional genomics for investigating salinity stress tolerance mechanisms in cereals. <b>2013</b> , 4, 123	52
1306	Differential activity of plasma and vacuolar membrane transporters contributes to genotypic differences in salinity tolerance in a Halophyte Species, <i>Chenopodium quinoa</i> . <b>2013</b> , 14, 9267-85	78
1305	Tolerance of roadside and old field populations of common teasel ( <i>Dipsacus fullonum</i> subsp. <i>sylvestris</i> ) to salt and low osmotic potentials during germination. <b>2013</b> , 5, plt001-plt001	1
1304	Proline as a biochemical marker in relation to the ecology of two halophytic <i>Juncus</i> species. <b>2013</b> , 6, 177-186	39
1303	Improved stomatal regulation and ion partitioning boosts salt tolerance in grafted melon. <b>2013</b> , 40, 628-636	26
1302	Learning from halophytes: physiological basis and strategies to improve abiotic stress tolerance in crops. <b>2013</b> , 112, 1209-21	486
1301	Cloning and characterization of TaSnRK2.3, a novel SnRK2 gene in common wheat. <b>2013</b> , 64, 2063-80	55
1300	COMPARATIVE STUDY OF DIFFERENT SALTS (SODIUM CHLORIDE, SODIUM SULFATE, POTASSIUM CHLORIDE, AND POTASSIUM SULFATE) ON GROWTH OF FORAGE SPECIES. <b>2013</b> , 36, 214-230	11

1299	EFFECT OF SUPPLEMENTAL POTASSIUM (K+) ON GROWTH, PHYSIOLOGICAL AND BIOCHEMICAL ATTRIBUTES OF WHEAT GROWN UNDER SALINE CONDITIONS. <b>2013</b> , 36, 443-458	12
1298	SALT AND ALKALI STRESSES EFFECTS ON CONTENTS OF ORGANIC ACIDS COMPONENTS IN WHEAT SEEDLINGS. <b>2013</b> , 36, 1056-1064	4
1297	TREATED EFFLUENT AND SALINE WATER IRRIGATION INFLUENCES SOIL PROPERTIES, YIELD, WATER PRODUCTIVITY AND SODIUM CONTENT OF SNOW PEAS AND CELERY. <b>2013</b> , 36, 1102-1119	7
1296	Comparison of growth and mineral accumulation of two solanaceous species, <i>Solanum scabrum</i> Mill. (huckleberry) and <i>S. melongena</i> L. (eggplant), under salinity stress. <b>2013</b> , 59, 912-920	11
1295	Effects of Soil Salinity on Growth, Ion Relations, and Compatible Solute Accumulation of Two Sumac Species: <i>Rhus glabra</i> and <i>Rhus trilobata</i> . <b>2013</b> , 44, 3187-3204	2
1294	Knockout of <i>AtMKK1</i> enhances salt tolerance and modifies metabolic activities in <i>Arabidopsis</i> . <b>2013</b> , 8, e24206	8
1293	Phenotypic and physiological responses of two willow varieties to salt stress. <b>2013</b> , 61, 73-82	3
1292	Characterization of ion contents and metabolic responses to salt stress of different <i>Arabidopsis AtHKT1;1</i> genotypes and their parental strains. <b>2013</b> , 6, 350-68	45
1291	Consequences of salinity and freezing stress for two populations of <i>Quercus virginiana</i> Mill. (Fagaceae) grown in a common garden1. <b>2013</b> , 140, 145-156	5
1290	Managing adverse soil chemical environments. <b>2013</b> , 195-237	8
1289	Strategies of Salt Tolerance in the Rhizobia-Legume Symbiosis. <b>2013</b> , 99-121	4
1288	Physiological Responses of Linseed Seedlings to Iso Osmotic Polyethylene Glycol, Salt, and Alkali Stresses. <b>2013</b> , 105, 764-772	6
1287	Differences in salinity tolerance of genetically distinct <i>Phragmites australis</i> clones. <b>2013</b> , 5,	32
1286	Potential Antioxidant Activities Improve Salt Tolerance in Ten Varieties of Wheat (<i>Triticum aestivum</i> L.). <b>2013</b> , 04, 69-76	22
1285	Nitrato modula os teores de cloreto e compostos nitrogenados em plantas de milho submetidas ^ salinidade. <b>2013</b> , 72, 10-19	5
1284	A computational systems biology study for understanding salt tolerance mechanism in rice. <b>2013</b> , 8, e64929	20
1283	Use of MSAP markers to analyse the effects of salt stress on DNA methylation in rapeseed ( <i>Brassica napus</i> var. <i>oleifera</i> ). <b>2013</b> , 8, e75597	60
1282	Difference in yield and physiological features in response to drought and salinity combined stress during anthesis in Tibetan wild and cultivated barleys. <b>2013</b> , 8, e77869	82

1281	Gene expression analysis of rice seedling under potassium deprivation reveals major changes in metabolism and signaling components. <b>2013</b> , 8, e70321	46
1280	Coordinating metabolite changes with our perception of plant abiotic stress responses: emerging views revealed by integrative-omic analyses. <b>2013</b> , 3, 761-86	16
1279	Drought tolerance in wheat. <b>2013</b> , 2013, 610721	181
1278	Effect of desiccation and salinity stress on seed germination and initial plant growth of Cucumis melo. <b>2013</b> , 31, 833-841	13
1277	Crescimento de mudas de moringa em funçã da salinidade da água e da posiã das sementes nos frutos. <b>2013</b> , 37, 79-87	5
1276	Synergistic and antagonistic effects of salinity and pH on germination in switchgrass ( <i>Panicum virgatum</i> L.). <b>2014</b> , 9, e85282	24
1275	Mild salt stress conditions induce different responses in root hydraulic conductivity of <i>Phaseolus vulgaris</i> over-time. <b>2014</b> , 9, e90631	32
1274	Mineral content and biochemical variables of <i>Aloe vera</i> L. under salt stress. <b>2014</b> , 9, e94870	19
1273	Drought-tolerance of wheat improved by rhizosphere bacteria from harsh environments: enhanced biomass production and reduced emissions of stress volatiles. <b>2014</b> , 9, e96086	360
1272	Physiological and metabolic effects of 5-aminolevulinic acid for mitigating salinity stress in creeping bentgrass. <b>2014</b> , 9, e116283	26
1271	Rhizomes help the forage grass <i>Leymus chinensis</i> to adapt to the salt and alkali stresses. <b>2014</b> , 2014, 213401	2
1270	Screening of purslane ( <i>Portulaca oleracea</i> L.) accessions for high salt tolerance. <b>2014</b> , 2014, 627916	19
1269	Discovery and characterization of two novel salt-tolerance genes in <i>Puccinellia tenuiflora</i> . <b>2014</b> , 15, 16469-83	5
1268	Gibberellic Acid and Salinity Affected Growth and Antioxidant Enzyme Activities in Castor Bean Plants at Early Growth Stage. <b>2014</b> , 106, 1340-1348	8
1267	Differential responses of growth, chlorophyll content, lipid peroxidation and accumulation of compatible solutes to salt stress in peanut ( <i>Arachis hypogaea</i> L.) cultivars. <b>2014</b> , 13, 4577-4585	5
1266	Spatiotemporal Response of Maize Yield to Edaphic and Meteorological Conditions in a Saline Farmland. <b>2014</b> , 106, 2163-2174	23
1265	Changes in growth and nutrient uptake in response to foliar application of sodium and calcium chloride in cowpea cultivars ( <i>Vigna unguiculata</i> L. Walp). <b>2014</b> , 13, 4382-4389	1
1264	Effect of salt stress on the growth of <i>Lippia gracilis</i> Schauer and on the quality of its essential oil. <b>2014</b> , 28, 346-351	8

1263	Ponto de murcha permanente fisiológico e potencial osmótico de feijão caupi cultivado em solos salinizados. <b>2014</b> , 18, 708-713	5
1262	Sodium enhances nitrate uptake in Swiss chard ( <i>Beta vulgaris</i> var. <i>cicla</i> L.). <b>2014</b> , 60, 651-658	19
1261	Rhizosphere and endophytic bacteria for induction of salt tolerance in gladiolus grown in sodic soils. <b>2014</b> , 9, 577-584	35
1260	Effect of sodium carbonate-induced salinity-alkalinity on some key osmoprotectants, protein profile, antioxidant enzymes, and lipid peroxidation in two mulberry ( <i>Morus alba</i> L.) cultivars. <b>2014</b> , 9, 460-467	58
1259	The contribution of SERF1 to root-to-shoot signaling during salinity stress in rice. <b>2014</b> , 9, e27540	17
1258	Effects of Soil Alkalinization on Osmotic Adjustment and Ion Balance in Sorghum ( <i>Sorghum Bicolor</i> L.). <b>2014</b> , 37, 1104-1119	1
1257	Seed halopriming outdo hydropriming in enhancing seedling vigor and osmotic stress tolerance potential of rice varieties. <b>2014</b> , 17, 209-219	22
1256	Comprehensive analysis of differentially expressed genes and transcriptional regulation induced by salt stress in two contrasting cotton genotypes. <b>2014</b> , 15, 760	113
1255	Net NH <sub>4</sub> <sup>+</sup> and NO <sub>3</sub> <sup>-</sup> fluxes, and expression of NH <sub>4</sub> <sup>+</sup> and NO <sub>3</sub> <sup>-</sup> transporter genes in roots of <i>Populus simonii</i> after acclimation to moderate salinity. <b>2014</b> , 28, 1813-1821	24
1254	Scanning ion-selective electrode technique and X-ray microanalysis provide direct evidence of contrasting Na <sup>+</sup> transport ability from root to shoot in salt-sensitive cucumber and salt-tolerant pumpkin under NaCl stress. <b>2014</b> , 152, 738-48	26
1253	Is salinity the main ecologic factor that shapes the distribution of two endemic Mediterranean plant species of the genus <i>Gypsophila</i> ?. <b>2014</b> , 384, 363-379	9
1252	High NaHCO <sub>3</sub> stress causes direct injury to <i>Nicotiana tabacum</i> roots. <b>2014</b> , 9, 56-61	1
1251	Comparative Environmental Analysis of the Effects of Different Salinity Levels on Growth and Physiological Status of Nipponbare Rice. <b>2014</b> , 908, 416-420	
1250	Biophysical and biochemical constraints imposed by salt stress: learning from halophytes. <b>2014</b> , 5, 746	43
1249	Root System Response to Drought and Salinity: Root Distribution and Water Transport. <b>2014</b> , 325-352	18
1248	Effect of saline water on seed germination and early seedling growth of the halophyte quinoa. <b>2014</b> , 6,	101
1247	Exogenous trehalose largely alleviates ionic imbalance, ROS burst, and PCD occurrence induced by high salinity in <i>Arabidopsis</i> seedlings. <b>2014</b> , 5, 570	45
1246	Overexpression of the CaTIP1-1 pepper gene in tobacco enhances resistance to osmotic stresses. <b>2014</b> , 15, 20101-16	9

1245	Expression Analysis of Salt Stress on Carotenoid Pathway Genes in Watermelon. <b>2014</b> , 1073-1076, 1061-1066	1
1244	Detection of QTLs for salt tolerance in Asian barley ( <i>Hordeum vulgare</i> L.) by association analysis with SNP markers. <b>2014</b> , 64, 378-88	25
1243	Cash Crop Halophytes: The Ecologically and Economically Sustainable Use of Naturally Salt-Resistant Plants in the Context of Global Changes. <b>2014</b> , 145-162	2
1242	What Is Stress? Dose-Response Effects in Commonly Used in Vitro Stress Assays. <b>2014</b> , 165, 519-527	125
1241	Reliability of ion accumulation and growth components for selecting salt tolerant lines in large populations of rice. <b>2014</b> , 41, 379-390	13
1240	Short-term and continuing stresses differentially interplay with multiple hormones to regulate plant survival and growth. <b>2014</b> , 7, 841-55	49
1239	Regional Environmental Gradients Influence Ecophysiological Responses of Dominant Coastal Dune Plants to Changes in Local Conditions. <b>2014</b> , 297, 893-903	2
1238	Manipulating Osmolytes for Breeding Salinity-Tolerant Plants. <b>2014</b> , 385-404	3
1237	Effects of Salinity and Copper on Growth and Chemical Composition of Pistachio Seedlings. <b>2014</b> , 37, 1063-1079	5
1236	Salinity source-induced changes in yield, mineral composition, phenolic acids and flavonoids in leaves of artichoke and cardoon grown in floating system. <b>2014</b> , 94, 1231-7	31
1235	Morphological plasticity in mangrove trees: salinity-related changes in the allometry of <i>Avicennia germinans</i> . <b>2014</b> , 28, 1413-1425	32
1234	Photosynthetic and anatomical responses of <i>Eucalyptus grandis</i> leaves to potassium and sodium supply in a field experiment. <i>Plant, Cell and Environment</i> , <b>2014</b> , 37, 70-81	8.4 85
1233	Abiotic stresses, constraints and improvement strategies in chickpea. <b>2014</b> , 133, 163-178	48
1232	Evolution and functional implications of the tricarboxylic acid cycle as revealed by phylogenetic analysis. <b>2014</b> , 6, 2830-48	51
1231	Analysis of differential expression patterns of mRNA and protein during cold-acclimation and de-acclimation in <i>Arabidopsis</i> . <b>2014</b> , 13, 3602-11	47
1230	Saline and alkaline stress genotypic tolerance in sweet sorghum is linked to sodium distribution. <b>2014</b> , 64, 471-481	3
1229	EFFECT OF ALKALINE POTASSIUM AND SODIUM SALTS ON GROWTH, PHOTOSYNTHESIS, IONS ABSORPTION AND SOLUTES SYNTHESIS OF WHEAT SEEDLINGS. <b>2014</b> , 50, 144-157	11
1228	Functional traits of common New Zealand foredune species at New Brighton, Canterbury. <b>2014</b> , 52, 460-466	

1227	Plant Abiotic Stress: Salt. <b>2014</b> , 313-329		3
1226	The role of xylopodium in Na <sup>+</sup> exclusion and osmolyte accumulation in faveleira [ <i>Cnidocolus phyllacanthus</i> (d. arg.) Pax et K. Hoffm] under salt stress. <b>2014</b> , 36, 2871-2882		3
1225	Microbial Consortium of Plant Growth-Promoting Rhizobacteria Improves the Performance of Plants Growing in Stressed Soils: An Overview. <b>2014</b> , 257-285		5
1224	Potential use of halophytes to remediate saline soils. <b>2014</b> , 2014, 589341		170
1223	Comparative growth and photosynthetic responses of native and adventive iceplant taxa to salinity stress. <b>2014</b> , 52, 352-364		4
1222	Excreting and non-excreting grasses exhibit different salt resistance strategies. <b>2014</b> , 6,		20
1221	The combined effect of salinity and heat reveals a specific physiological, biochemical and molecular response in tomato plants. <i>Plant, Cell and Environment</i> , <b>2014</b> , 37, 1059-73	8.4	215
1220	Intrinsic water use efficiency controls the adaptation to high salinity in a semi-arid adapted plant, henna ( <i>Lawsonia inermis</i> L.). <b>2014</b> , 171, 64-75		45
1219	Protective effects of arbuscular mycorrhizal fungi on wheat ( <i>Triticum aestivum</i> L.) plants exposed to salinity. <b>2014</b> , 98, 20-31		154
1218	Moderate salinity stimulates growth and photosynthesis of <i>Phragmites karka</i> by water relations and tissue specific ion regulation. <b>2014</b> , 105, 70-76		54
1217	<i>Lotus tenuis</i> seedlings subjected to drought or waterlogging in a saline sodic soil. <b>2014</b> , 98, 47-55		9
1216	Effect of potassium chloride and calcium chloride induced stress on in vitro cultures of <i>Bacopa monnieri</i> (L.) Pennell and accumulation of medicinally important bacoside A. <b>2014</b> , 23, 366-378		13
1215	Synergistic interaction of <i>Rhizobium leguminosarum</i> bv. <i>viciae</i> and arbuscular mycorrhizal fungi as a plant growth promoting biofertilizers for faba bean ( <i>Vicia faba</i> L.) in alkaline soil. <b>2014</b> , 169, 49-58		120
1214	Analysis of salt-induced mRNA transcripts in Tunisian local barley ( <i>Hordeum vulgare</i> ) leaves identified by differential display RT-PCR. <b>2014</b> , 52, 106-15		2
1213	Plant growth promoting rhizobacteria alleviate salinity induced negative effects on growth, oil content and physiological status in <i>Mentha arvensis</i> . <b>2014</b> , 36, 45-60		70
1212	Co-expression of the <i>Arabidopsis</i> SOS genes enhances salt tolerance in transgenic tall fescue ( <i>Festuca arundinacea</i> Schreb.). <b>2014</b> , 251, 219-31		63
1211	The Role of Gibberellin in the CBF1-Mediated Stress-Response Pathway. <b>2014</b> , 32, 852-863		18
1210	Seed priming improves the emergence potential, growth and antioxidant system of <i>Moringa oleifera</i> under saline conditions. <b>2014</b> , 73, 267-278		25

1209	ZxSOS1 is essential for long-distance transport and spatial distribution of Na <sup>+</sup> and K <sup>+</sup> in the xerophyte <i>Zygophyllum xanthoxylum</i> . <b>2014</b> , 374, 661-676	46
1208	The influence of salinity on cell ultrastructures and photosynthetic apparatus of barley genotypes differing in salt stress tolerance. <b>2014</b> , 36, 1261-1269	22
1207	Growth response of grafted and ungrafted citrus trees to saline irrigation. <b>2014</b> , 169, 199-205	20
1206	Effects of high salinity irrigation on growth, gas-exchange, and photoprotection in date palms ( <i>Phoenix dactylifera</i> L., cv. Medjool). <b>2014</b> , 99, 100-109	48
1205	Effect of exogenous application of nitric oxide on salt stress responses of soybean. <b>2014</b> , 90, 131-136	46
1204	Influence of municipal solid waste (MSW) compost on hormonal status and biomass partitioning in two forage species growing under saline soil conditions. <b>2014</b> , 64, 142-150	17
1203	Photosynthesis, photosystem II efficiency, amino acid metabolism and ion distribution in rice ( <i>Oryza sativa</i> L.) in response to alkaline stress. <b>2014</b> , 52, 157-160	15
1202	Growth, photosynthesis and ion balance of sesame ( <i>Sesamum indicum</i> L.) genotypes in response to NaCl concentration in hydroponic solutions. <b>2014</b> , 52, 134-147	20
1201	The over-expression of <i>Chrysanthemum crassum</i> CcSOS1 improves the salinity tolerance of <i>chrysanthemum</i> . <b>2014</b> , 41, 4155-62	29
1200	Physio-morphological and structural changes in common bermudagrass and Kentucky bluegrass during salt stress. <b>2014</b> , 36, 777-786	13
1199	Effects of the ionic liquid 1-octyl-3-methylimidazolium hexafluorophosphate on the growth of wheat seedlings. <b>2014</b> , 21, 3936-45	59
1198	cGMP and ethylene are involved in maintaining ion homeostasis under salt stress in <i>Arabidopsis</i> roots. <b>2014</b> , 33, 447-59	21
1197	A web-accessible computer program for calculating electrical potentials and ion activities at cell-membrane surfaces. <b>2014</b> , 375, 35-46	24
1196	Physiological mechanism of drought tolerance in transgenic rice plants expressing <i>Capsicum annum</i> methionine sulfoxide reductase B2 (CaMsrb2) gene. <b>2014</b> , 36, 1143-1153	15
1195	Photosynthesis, antioxidant activities and transcriptional responses in two sugarcane ( <i>Saccharum officinarum</i> L.) cultivars under salt stress. <b>2014</b> , 36, 447-459	18
1194	Applications of ascorbic acid or proline increase resistance to salt stress in barley seedlings. <b>2014</b> , 58, 341-347	47
1193	RETRACTED: Relationship between salinity, germination, plant growth, chemical composition and antioxidant capacity of <i>Thymus broussonetii</i> Boiss. <b>2014</b> , 53, 23-27	1
1192	Alkaline, saline and mixed saline-alkaline stresses induce physiological and morpho-anatomical changes in <i>Lotus tenuis</i> shoots. <b>2014</b> , 16, 1042-9	11

1191	Presoaking application of propolis and maize grain extracts alleviates salinity stress in common bean ( <i>Phaseolus vulgaris</i> L.). <b>2014</b> , 168, 210-217	50
1190	Life and death under salt stress: same players, different timing?. <b>2014</b> , 65, 2963-79	165
1189	Understanding the complex nature of salinity and drought-stress response in cereals using proteomics technologies. <b>2014</b> , 14, 611-21	36
1188	Use of Plant Growth-Promoting Rhizobacteria to Alleviate Salinity Stress in Plants. <b>2014</b> , 73-96	72
1187	Salinity stress in roots of contrasting barley genotypes reveals time-distinct and genotype-specific patterns for defined proteins. <b>2014</b> , 7, 336-55	40
1186	Overexpression of GmDREB1 improves salt tolerance in transgenic wheat and leaf protein response to high salinity. <b>2014</b> , 2, 120-131	39
1185	Effective microorganisms enhance the scavenging capacity of the ascorbate-glutathione cycle in common bean ( <i>Phaseolus vulgaris</i> L.) plants grown in salty soils. <b>2014</b> , 80, 136-43	27
1184	Salt stress and senescence: identification of cross-talk regulatory components. <b>2014</b> , 65, 3993-4008	84
1183	Salt tolerance evolves more frequently in C4 grass lineages. <b>2014</b> , 27, 653-9	35
1182	Ecophysiological and species-specific responses to seasonal variations in halophytic species of the chenopodiaceae in a Mediterranean salt marsh. <b>2014</b> , 52, 163-172	9
1181	Genomic Approaches and Abiotic Stress Tolerance in Plants. <b>2014</b> , 1-37	4
1180	Alleviation of salt stress in citrus seedlings inoculated with arbuscular mycorrhizal fungi depends on the rootstock salt tolerance. <b>2014</b> , 171, 76-85	71
1179	Growth and Ionic Content of Quinoa Under Saline Irrigation. <b>2014</b> , 200, 246-260	28
1178	Effects of NaCl stress on the growth and photosynthetic characteristics of <i>Ulmus pumila</i> L. seedlings in sand culture. <b>2014</b> , 52, 313-320	69
1177	Antioxidant Activity in Salt-Stressed Barley Leaves: Evaluating Time- and Age-Dependence and Suitability for the Use as a Biochemical Marker in Breeding Programs. <b>2014</b> , 200, 261-272	9
1176	Salinity tolerance. <b>2014</b> , 133-178	6
1175	Proline and reactive oxygen/nitrogen species metabolism is involved in the tolerant response of the invasive plant species <i>Ailanthus altissima</i> to drought and salinity. <b>2014</b> , 97, 1-10	126
1174	The tolerance to salinity and nutrient supply in four European <i>Bolboschoenus</i> species ( <i>B. maritimus</i> , <i>B. laticarpus</i> , <i>B. planiculmis</i> and <i>B. yagara</i> ) affects their vulnerability or expansiveness. <b>2014</b> , 112, 66-75	17



1173	Growth, sodium uptake and antioxidant responses of coastal plants differing in their ecological status under increasing salinity. <b>2014</b> , 69, 193-201	23
1172	Effects of salinity on growth, photosynthesis, inorganic and organic osmolyte accumulation in <i>Elaeagnus oxycarpa</i> seedlings. <b>2014</b> , 36, 881-892	12
1171	Cell Signaling During Drought and Salt Stress. <b>2014</b> , 227-239	3
1170	Regulation of hormonal responses of sweet pepper as affected by salinity and elevated CO <sub>2</sub> concentration. <b>2014</b> , 151, 375-89	41
1169	Physiology and proteome responses of two contrasting rice mutants and their wild type parent under salt stress conditions at the vegetative stage. <b>2014</b> , 171, 31-44	54
1168	Convergence of goals: phylogenetical, morphological, and physiological characterization of tolerance to drought stress in tall fescue ( <i>Festuca arundinacea</i> Schreb.). <b>2014</b> , 56, 248-57	7
1167	SODIUM CHLORIDE PRIMING IMPROVES SALINITY RESPONSE OF TOMATO AT SEEDLING STAGE. <b>2014</b> , 37, 374-392	10
1166	A novel <i>Moringa oleifera</i> leaf extract can mitigate the stress effects of salinity and cadmium in bean ( <i>Phaseolus vulgaris</i> L.) plants. <b>2014</b> , 100, 69-75	79
1165	Non-invasive tools to estimate stress-induced changes in photosynthetic performance in plants inhabiting Mediterranean areas. <b>2014</b> , 103, 42-52	46
1164	The role of mycorrhizae and plant growth promoting rhizobacteria (PGPR) in improving crop productivity under stressful environments. <b>2014</b> , 32, 429-48	548
1163	Salt-Induced Variations in Physiological Parameters and Nutrient Concentrations of Two Wheat Cultivars. <b>2014</b> , 45, 29-41	1
1162	Ecophysiological plasticity of shallow and deep populations of the Mediterranean seagrasses <i>Posidonia oceanica</i> and <i>Cymodocea nodosa</i> in response to hypersaline stress. <b>2014</b> , 95, 39-61	46
1161	Expression of the Arabidopsis vacuolar H <sup>+</sup> -pyrophosphatase gene (AVP1) improves the shoot biomass of transgenic barley and increases grain yield in a saline field. <b>2014</b> , 12, 378-86	110
1160	Effect of Seed Soaking with Exogenous Proline on Seed Germination of Rice Under Salt Stress. <b>2014</b> , 21, 1-6	7
1159	Genetic improvement of purslane ( <i>Portulaca oleracea</i> L.) and its future prospects. <b>2014</b> , 41, 7395-411	27
1158	Salts and nutrients present in regenerated waters induce changes in water relations, antioxidative metabolism, ion accumulation and restricted ion uptake in <i>Myrtus communis</i> L. plants. <b>2014</b> , 85, 41-50	33
1157	Distribution of Mineral Nutrients and Active Ingredients in Aloe vera Irrigated with Diluted Seawater. <b>2014</b> , 24, 722-730	12
1156	EFFECTS OF SALINITY STRESS ON PHYSIOLOGICAL PERFORMANCE OF VARIOUS WHEAT AND BARLEY CULTIVARS. <b>2014</b> , 37, 520-531	24

1155	Evaluation of Salinity Effects on Ionic Balance and Compatible Solute Contents in Nine Grape ( <i>Vitis L.</i> ) Genotypes. <b>2014</b> , 37, 1817-1836	9
1154	Assessing Maturity of Rotary Barrel Green Waste Composts for Use as Tomato and Sweet Pepper Seedling Starter and Transplant Growth Substrates. <b>2014</b> , 20, 28-58	2
1153	Hormonal and metabolic regulation of tomato fruit sink activity and yield under salinity. <b>2014</b> , 65, 6081-95	46
1152	Analysis of acidic endogenous phytohormones in grapes by using online solid-phase extraction coupled with LC-MS/MS. <b>2014</b> , 52, 1145-9	14
1151	Effect of Nitrogen Nutrition on Solute Accumulation and Ion Contents of Maize under Sodium Chloride Stress. <b>2014</b> , 45, 86-100	
1150	Long-term effect of salinity on plant quality, water relations, photosynthetic parameters and ion distribution in <i>Callistemon citrinus</i> . <b>2014</b> , 16, 757-64	55
1149	Kaolin influences tomato response to salinity: physiological aspects. <b>2014</b> , 64, 559-571	4
1148	Physiological adaptative characteristics of <i>Imperata cylindrica</i> for salinity tolerance. <b>2014</b> , 69, 1148-1156	5
1147	Genotype influences sulfur metabolism in broccoli ( <i>Brassica oleracea L.</i> ) under elevated CO <sub>2</sub> and NaCl stress. <b>2014</b> , 55, 2047-59	20
1146	Drought tolerances of three stem-succulent halophyte species of an inland semiarid salt lake system. <b>2014</b> , 41, 1230-1238	10
1145	Study on pathway and characteristics of ion secretion of salt glands of <i>Limonium bicolor</i> . <b>2014</b> , 36, 2729-2741	59
1144	Contrasting effects of water salinity and ozone concentration on two cultivars of durum wheat ( <i>Triticum durum Desf.</i> ) in Mediterranean conditions. <b>2014</b> , 193, 13-21	14
1143	The extent of variation in salinity tolerance of the minicore collection of finger millet ( <i>Eleusine coracana L. Gaertn.</i> ) germplasm. <b>2014</b> , 227, 51-9	25
1142	Yield and Essential Oil of Ajwain ( <i>Trachyspermum ammi</i> ) Plant Cultivated in Saline Soil of North Sinai in Egypt. <b>2014</b> , 17, 469-477	9
1141	The SLASR gene cloned from the extreme halophyte <i>Suaeda liaotungensis</i> K. enhances abiotic stress tolerance in transgenic <i>Arabidopsis thaliana</i> . <b>2014</b> , 549, 243-51	21
1140	Higher soil salinity causes more physiological stress in female of <i>Populus cathayana</i> cuttings. <b>2014</b> , 34, 225-231	7
1139	Co-inoculations of arbuscular mycorrhizal fungi and rhizobia under salinity in alfalfa. <b>2014</b> , 60, 619-629	22
1138	Genetic analysis of salt tolerance at seedling and reproductive stages in rice ( <i>Oryza sativa</i> ). <b>2014</b> , 133, 548-559	24

1137	Genetic control of heterochrony in <i>Eucalyptus globulus</i> . <b>2014</b> , 4, 1235-45	22
1136	The differences in physiological responses, ultrastructure changes, and Na <sup>+</sup> subcellular distribution under salt stress among the barley genotypes differing in salt tolerance. <b>2014</b> , 36, 2397-2407	11
1135	Characterization of the multigene family TaHKT 2;1 in bread wheat and the role of gene members in plant Na(+) and K(+) status. <b>2014</b> , 14, 159	10
1134	Genome duplication improves rice root resistance to salt stress. <b>2014</b> , 7, 15	45
1133	Effects of Salinity and Water Stress on Growth and Macro Nutrients Concentration of Pomegranate ( <i>Punica granatum</i> L.). <b>2014</b> , 37, 1937-1951	30
1132	SAWCal: A user-friendly program for calculating soil available water quantities and physical quality indices. <b>2014</b> , 109, 86-93	15
1131	Growth, physiological, biochemical and ionic responses of pistachio seedlings to mild and high salinity. <b>2014</b> , 28, 1065-1078	43
1130	A meta-analysis of arbuscular mycorrhizal effects on plants grown under salt stress. <b>2014</b> , 24, 611-25	103
1129	The roles of autophagy in development and stress responses in <i>Arabidopsis thaliana</i> . <b>2014</b> , 19, 905-21	43
1128	Physiological regulation of seed soaking with soybean isoflavones on drought tolerance of <i>Glycine max</i> and <i>Glycine soja</i> . <b>2014</b> , 74, 229-237	22
1127	Overexpression of a tea flavanone 3-hydroxylase gene confers tolerance to salt stress and <i>Alternaria solani</i> in transgenic tobacco. <b>2014</b> , 85, 551-73	32
1126	Salinity-induced accumulation of organic osmolytes in barley and wheat leaves correlates with increased oxidative stress tolerance: in planta evidence for cross-tolerance. <b>2014</b> , 83, 32-9	72
1125	Molecular characterization, heterologous expression and resistance analysis of OsLEA3-1 from <i>Oryza sativa</i> . <b>2014</b> , 69, 625-634	6
1124	Water Use Efficiency of Cultivated Crops. <b>2014</b> ,	2
1123	Calcium and magnesium do not alleviate the toxic effect of sodium on the emergence and initial growth of castor, cotton, and safflower. <b>2014</b> , 57, 90-97	14
1122	Involvement of ethylene in alleviation of Cd toxicity by NaCl in tobacco plants. <b>2014</b> , 101, 64-9	12
1121	Salt Marsh Halophyte Services to Metal Metalloid Remediation: Assessment of the Processes and Underlying Mechanisms. <b>2014</b> , 44, 2038-2106	45
1120	Role of root hydrophobic barriers in salt exclusion of a mangrove plant <i>Avicennia officinalis</i> . <i>Plant, Cell and Environment</i> , <b>2014</b> , 37, 1656-71	8.4 71

1119	Effect of PEG-induced drought stress on seed germination of four lentil genotypes. <b>2014</b> , 9, 354-363	85
1118	Effect of NaCl stress on dihaploid tobacco lines tolerant to Potato virus Y. <b>2014</b> , 36, 1739-1747	4
1117	Low CO <sub>2</sub> does not remove diffusional limitation to photosynthesis in salt stressed tomato during osmotic phase. <b>2014</b> , 36, 1953-1956	4
1116	Effects of saline-alkaline stress on seed germination and seedling growth of Sorghum bicolor (L.) Moench. <b>2014</b> , 173, 1680-91	27
1115	Tidal Freshwater Marsh Plant Responses to Low Level Salinity Increases. <b>2014</b> , 34, 167-175	26
1114	Relations between soil heterogeneity and common reed ( <i>Phragmites australis</i> Trin. ex Steud.) colonization in Keriya River Basin, Xinjiang of China. <b>2014</b> , 6, 753-761	6
1113	The improved resistance to high salinity induced by trehalose is associated with ionic regulation and osmotic adjustment in <i>Catharanthus roseus</i> . <b>2014</b> , 77, 140-8	60
1112	Effects of Nitrogen Application on Chlorophyll Content, Water Relations, and Yield of Maize Hybrids under Saline Conditions. <b>2014</b> , 45, 1336-1356	5
1111	Changes in the Vascular Cylinder of Wild Soybean Roots Under Alkaline Stress. <b>2014</b> , 13, 2164-2169	
1110	Physiological adjustment to salt stress in <i>R. communis</i> seedlings is associated with a probable mechanism of osmotic adjustment and a reduction in water lost by transpiration. <b>2014</b> , 54, 233-239	25
1109	Effect of salinity and nitrogen on growth, sodium, potassium accumulation, and osmotic adjustment of halophyte <i>Suaeda aegyptiaca</i> (Hasselq.) Zoh. <b>2014</b> , 60, 785-792	24
1108	Invertase activity limits grain yield of maize under salt stress. <b>2014</b> , 177, 278-286	23
1107	Tolerance of <i>Miscanthus giganteus</i> to salinity depends on initial weight of rhizomes as well as high accumulation of potassium and proline in leaves. <b>2014</b> , 52, 278-285	28
1106	Determination of soil available water for plants: Consistency between laboratory and field measurements. <b>2014</b> , 226-227, 8-20	21
1105	ACC deaminase-containing <i>Arthrobacter protophormiae</i> induces NaCl stress tolerance through reduced ACC oxidase activity and ethylene production resulting in improved nodulation and mycorrhization in <i>Pisum sativum</i> . <b>2014</b> , 171, 884-94	147
1104	The sky is falling II: Impact of deposition produced during the static testing of solid rocket motors on corn and alfalfa. <b>2014</b> , 482-483, 36-41	3
1103	Saline tidal flooding effects on <i>Spartina densiflora</i> plants from different positions of the salt marsh. Diversities and similarities on growth, anatomical and physiological responses. <b>2014</b> , 102, 27-36	13
1102	Effects of irrigation using treated wastewater on table grape vineyards: dynamics of sodium accumulation in soil and plant. <b>2014</b> , 32, 283-294	22

1101	Transcriptome analysis of salinity responsiveness in contrasting genotypes of finger millet ( <i>Eleusine coracana</i> L.) through RNA-sequencing. <b>2014</b> , 85, 485-503	73
1100	Halopriming of seeds imparts tolerance to NaCl and PEG induced stress in <i>Vigna radiata</i> (L.) Wilczek varieties. <b>2014</b> , 20, 303-12	33
1099	Evaluation of Salinity Tolerance and Genetic Diversity of Thirty-Three Switchgrass ( <i>Panicum virgatum</i> ) Populations. <b>2014</b> , 7, 1329-1342	12
1098	Physiological parameters of salt tolerance during germination and seedling growth of <i>Sorghum bicolor</i> cultivars of the same subtropical origin. <b>2014</b> , 21, 300-4	14
1097	Excess sulfur supplementation improves photosynthesis and growth in mustard under salt stress through increased production of glutathione. <b>2014</b> , 107, 55-63	92
1096	Plant growth, mineral nutrition and volatile oil composition of <i>Mentha suaveolens</i> subsp. <i>timija</i> (Briq.) Harley cultivated under salt stress conditions. <b>2014</b> , 59, 80-84	14
1095	Automated image analysis for quantification of histochemical detection of reactive oxygen species and necrotic infection symptoms in plant leaves. <b>2014</b> , 9, 167-174	11
1094	Identification of QTLs for shoot and root growth under ionic osmotic stress in Lotus, using a RIL population. <b>2014</b> , 65, 139	2
1093	Irrigation Volume and the Number of Emitters per Pot Affect Root Growth and Saline Ion Contents in Weeping Fig. <b>2015</b> , 4, 356-364	8
1092	Salt stress and leguminous crops. <b>2015</b> , 21-51	
1091	Irrigation with desalinated water: A step toward increasing water saving and crop yields. <b>2015</b> , 51, 450-464	28
1090	Biotechnological applications to improve salinity stress in wheat. <b>2015</b> , 1-27	
1089	Physiological mechanisms of salt stress tolerance in plants. <b>2015</b> , 141-160	13
1088	Quinoa: An Incan Crop to Face Global Changes in Agriculture. <b>2015</b> , 1-18	8
1087	Microbial strategies for the improvement of legume production in hostile environments. <b>2015</b> , 133-144	2
1086	Salinity effects on germination, growth and mineral nutrition of <i>Ricinus communis</i> seedlings. <b>2015</b> , 57, 383-400	1
1085	Legumes and breeding under abiotic stress. <b>2015</b> , 1-20	2
1084	Contribution and distribution of inorganic ions and organic compounds to the osmotic adjustment in <i>Halostachys caspica</i> response to salt stress. <b>2015</b> , 5, 13639	28

1083	Chickpea. <b>2015</b> , 67-79	7
1082	Soil-Root Interactions in Mixed Plant Systems. <b>2015</b> , 245-272	
1081	Effects of salt stress on physiological and postharvest quality characteristics of different Iranian genotypes of basil. <b>2015</b> , 56, 777-785	31
1080	Impact of deficit irrigation strategies in a saline environment on Shiraz yield, physiology, water use and tissue ion concentration. <b>2015</b> , 21, 468-478	11
1079	Antioxidative Response of Quinoa Exposed to Iso-Osmotic, Ionic and Non-Ionic Salt Stress. <b>2015</b> , 201, 452-460	43
1078	Evaluation of and selection criteria for drought resistance in Chinese semiwinter rapeseed varieties at different developmental stages. <b>2015</b> , 134, 542-550	4
1077	The Arabidopsis root stele transporter NPF2.3 contributes to nitrate translocation to shoots under salt stress. <b>2015</b> , 83, 466-79	71
1076	Managing natural resources for their human values. <b>2015</b> , 6, art140	1
1075	Effect of the irrigation frequency and quality on yield, growth and water productivity of maize crops. <b>2015</b> , 7, 721-730	7
1074	The Effect of Saline Irrigation Water on the Yield of Pepper: Experimental and Modelling Study. <b>2015</b> , 64, 41-49	31
1073	Plant-Water relations of intertidal and subtidal seagrasses. <b>2015</b> , 36, 1294-1310	5
1072	Groundwater salinization intensifies drought impacts in forests and reduces refuge capacity. <b>2015</b> , 52, 1116-1125	8
1071	Comparison of Spring Maize Root Water Uptake Models Under Water and Salinity Stress Validated with Field Experiment Data. <b>2015</b> , 64, 669-682	4
1070	Retraction. <b>2015</b> , 17, 774-774	1
1069	Protective effects of Ca <sup>2+</sup> against NaCl induced salt stress in two lentil ( <i>Lens culinaris</i> ) cultivars. <b>2015</b> , 10, 2389-2398	7
1068	Effects of different NaCl Concentrations on germination and seedling growth of <i>Amaranthus hybridus</i> and <i>Celosia argentea</i> . <b>2015</b> , 9, 301-306	2
1067	Barium and sodium in sunflower plants cultivated in soil treated with wastes of drilling of oil well. <b>2015</b> , 19, 1100-1106	5
1066	Physiological Strategies of Sunflower Exposed to Salt or Alkali Stresses: Restriction of Ion Transport in the Cotyledon Node Zone and Solute Accumulation. <b>2015</b> , 107, 2181-2192	13

1065	Production of rocket under salt stress in hydroponic systems. <b>2015</b> , 33, 493-497	5
1064	Growth, Photosynthesis, Solute Accumulation, and Ion Balance of Tomato Plant under Sodium- or Potassium-Salt Stress and Alkali Stress. <b>2015</b> , 107, 651-661	18
1063	How Does Salinity Duration Affect Growth and Productivity of Cultivated Barley?. <b>2015</b> , 107, 174-180	20
1062	Physiological and Molecular Aspects of Tolerance to Environmental Constraints in Grain and Forage Legumes. <b>2015</b> , 16, 18976-9008	28
1061	AMF Inoculation Enhances Growth and Improves the Nutrient Uptake Rates of Transplanted, Salt-Stressed Tomato Seedlings. <b>2015</b> , 7, 15967-15981	70
1060	Genetic and genomic diversity studies of Acacia symbionts in Senegal reveal new species of Mesorhizobium with a putative geographical pattern. <b>2015</b> , 10, e0117667	14
1059	Physiological Evaluation of Alkali-Salt Tolerance of Thirty Switchgrass ( <i>Panicum virgatum</i> ) Lines. <b>2015</b> , 10, e0125305	18
1058	Global Identification of MicroRNAs and Their Targets in Barley under Salinity Stress. <b>2015</b> , 10, e0137990	61
1057	Time course of biochemical, physiological, and molecular responses to field-mimicked conditions of drought, salinity, and recovery in two maize lines. <b>2015</b> , 6, 314	17
1056	Burkholderia phytofirmans PsJN induces long-term metabolic and transcriptional changes involved in Arabidopsis thaliana salt tolerance. <b>2015</b> , 6, 466	85
1055	Shared and unique responses of plants to multiple individual stresses and stress combinations: physiological and molecular mechanisms. <b>2015</b> , 6, 723	245
1054	Identification of early salt stress responsive proteins in seedling roots of upland cotton ( <i>Gossypium hirsutum</i> L.) employing iTRAQ-based proteomic technique. <b>2015</b> , 6, 732	87
1053	High temperature and vapor pressure deficit aggravate architectural effects but ameliorate non-architectural effects of salinity on dry mass production of tomato. <b>2015</b> , 6, 887	14
1052	Exploring Jasmonates in the Hormonal Network of Drought and Salinity Responses. <b>2015</b> , 6, 1077	152
1051	Application of a Coupled Vegetation Competition and Groundwater Simulation Model to Study Effects of Sea Level Rise and Storm Surges on Coastal Vegetation. <b>2015</b> , 3, 1149-1177	12
1050	Effects of Two Salts Compounds on Mycelial Growth, Sporulation, and Spore Germination of Six Isolates of Botrytis cinerea in the Western North of Algeria. <b>2015</b> , 2015, 572626	17
1049	Evaluation of water saving practices for myrtle pot plant production. <b>2015</b> , 35-40	
1048	Identification and Fine Mapping of a Mutation Conferring Salt-Sensitivity in Rice ( <i>Oryza sativa</i> L.). <b>2015</b> , 55, 219-228	10

1047	Diastatic enzymes malting process optimisation of African finger millet for biotechnological uses. <b>2015</b> , 9, 81-88	0
1046	Effect of N fertilization on NPK content in castor bean under saline stress. <b>2015</b> , 10, 3319-3325	
1045	Water use efficiency of six rangeland grasses under varied soil moisture content levels in the arid Tana River County, Kenya. <b>2015</b> , 9, 632-640	5
1044	Molecular characterization of salinity tolerance in wheat ( <i>Triticum aestivum</i> L.). <b>2015</b> , 1-8	2
1043	Phloem sap proteome studied by iTRAQ provides integrated insight into salinity response mechanisms in cucumber plants. <b>2015</b> , 125, 54-67	31
1042	Protective effects of <i>Glomus iranicum</i> var. <i>tenuihypharum</i> on soil and <i>Viburnum tinus</i> plants irrigated with treated wastewater under field conditions. <b>2015</b> , 25, 399-409	19
1041	Role of Nitric Oxide in Salt Stress-induced Programmed Cell Death and Defense Mechanisms. <b>2015</b> , 193-219	1
1040	Screening Alfalfa for Salt Tolerance Based on Lipid Peroxidation and Antioxidant Enzymes. <b>2015</b> , 107, 167-173	17
1039	Associations Between Species Distribution Patterns and Soil Salinity in the Songnen Grassland. <b>2015</b> , 29, 199-209	8
1038	Salt Adaptation Mechanisms of Halophytes: Improvement of Salt Tolerance in Crop Plants. <b>2015</b> , 243-279	31
1037	The inward-rectifying K <sup>+</sup> channel <i>SsAKT1</i> is a candidate involved in K <sup>+</sup> uptake in the halophyte <i>Suaeda salsa</i> under saline condition. <b>2015</b> , 395, 173-187	25
1036	Modulations in plant water relations and tissue-specific osmoregulation by foliar-applied ascorbic acid and the induction of salt tolerance in maize plants. <b>2015</b> , 38, 527-538	18
1035	Plant growth-promoting effects of <i>Hartmanniella</i> <i>diazotrophicus</i> on summer barley ( <i>Hordeum vulgare</i> L.) under salt stress. <b>2015</b> , 95, 23-30	75
1034	Salt Stress in Higher Plants: Mechanisms of Toxicity and Defensive Responses. <b>2015</b> , 1-33	4
1033	Response of Wheat Seedlings to Combined Effect of Drought and Salinity. <b>2015</b> , 159-198	2
1032	Residual effects of biochar on improving growth, physiology and yield of wheat under salt stress. <b>2015</b> , 158, 61-68	159
1031	Effects of salinity stress on water desalination, olive tree ( <i>Olea europaea</i> L. cvs 'Piccoline' and 'Meski' and 'Ascolana') growth and ion accumulation. <b>2015</b> , 364, 46-52	28
1030	Salt sensitivity in chickpea: Growth, photosynthesis, seed yield components and tissue ion regulation in contrasting genotypes. <b>2015</b> , 182, 1-12	54



1029	An advanced process for evaluating a linear dielectric constantâBulk electrical conductivity model using a capacitance sensor in field conditions. <b>2015</b> , 60, 1828-1839	1
1028	RNA-Seq Transcriptome Analysis in Date Palm Suggests Multi-Dimensional Responses to Salinity Stress. <b>2015</b> , 8, 74-86	20
1027	Physiological Profiles as Indicators of Response to Hurricane Disturbance for Three Coastal Wetland Species. <b>2015</b> , 314, 986-993	6
1026	Productivity of cowpea as affected by salt stress in presence of endomycorrhizae and <i>Pseudomonas fluorescens</i> . <b>2015</b> , 60, 219-226	25
1025	Physiological Responses of <i>Leymus Chinensis</i> to Long-Term Salt, Alkali and Mixed Salt-Alkali Stresses. <b>2015</b> , 38, 526-540	11
1024	Responses of two barley cultivars differing in their salt tolerance to moderate and high salinities and subsequent recovery. <b>2015</b> , 59, 106-114	5
1023	Stability analysis of yield component traits in 25 durum wheat ( <i>Triticum durum</i> Desf.) genotypes under contrasting irrigation water salinity. <b>2015</b> , 152, 1-6	19
1022	Biochar-manure compost in conjunction with pyroligneous solution alleviated salt stress and improved leaf bioactivity of maize in a saline soil from central China: a 2-year field experiment. <b>2015</b> , 95, 1321-7	111
1021	Involvement of nitrogen in salt resistance of <i>Atriplex portulacoides</i> is supported by split-root experiment data and exogenous application of N-rich compounds. <b>2015</b> , 178, 312-319	3
1020	G-protein $\beta$ subunit AGB1 positively regulates salt stress tolerance in <i>Arabidopsis</i> . <b>2015</b> , 14, 314-325	10
1019	Salt stress in maize: effects, resistance mechanisms, and management. A review. <b>2015</b> , 35, 461-481	286
1018	Dynamic regulation of the root hydraulic conductivity of barley plants in response to salinity/osmotic stress. <b>2015</b> , 56, 875-82	23
1017	Yield response of stevia ( <i>Stevia rebaudiana</i> Bertoni) to the salinity of irrigation water. <b>2015</b> , 152, 217-221	21
1016	Physical stress modifies top-down and bottom-up forcing on plant growth and reproduction in a coastal ecosystem. <b>2015</b> , 96, 2147-56	15
1015	Effects of a commercial calcium protein hydrolysate on the salt tolerance of <i>Diospyros kaki</i> L. cv. âBojo Brillanteâgrafted on <i>Diospyros lotus</i> L.. <b>2015</b> , 185, 129-138	24
1014	Stress-Tolerant Feedstocks for Sustainable Bioenergy Production on Marginal Land. <b>2015</b> , 8, 1081-1100	54
1013	Comparison of Salt and Drought-Stress Effects on Maize Growth and Yield Formation with Regard to Acid Invertase Activity in the Kernels. <b>2015</b> , 201, 353-367	25
1012	Metabolic contribution to salt stress in two maize hybrids with contrasting resistance. <b>2015</b> , 233, 107-115	66

1011	A maize phytochrome-interacting factor 3 improves drought and salt stress tolerance in rice. <b>2015</b> , 87, 413-28	57
1010	Nutrient Uptake, Water Relations, and Yield Performance of Different Wheat Cultivars ( <i>Triticum aestivum</i> L.) under Salinity Stress. <b>2015</b> , 38, 2139-2149	12
1009	Gene knockout of glutathione reductase 3 results in increased sensitivity to salt stress in rice. <b>2015</b> , 87, 555-64	40
1008	Comparative transcriptomic analysis reveals novel genes and regulatory mechanisms of <i>Tetragenococcus halophilus</i> in response to salt stress. <b>2015</b> , 42, 601-16	34
1007	The effect of irradiance and water restriction on photosynthesis in young jatobá ( <i>Hymenaea stigonocarpa</i> ) plants. <b>2015</b> , 53, 118-127	17
1006	Adaptive components of tolerance to salinity in a saline desert grass <i>Lasiurus scindicus</i> Henrard. <b>2015</b> , 30, 429-438	5
1005	Macronutrients Composition of Lettuce Plants ( <i>Lactuca sativa</i> L.) as Affected by Mineral Nutrition Level and ION Exchange Substrate Biona-312 Supplementation. <b>2015</b> , 38, 1158-1195	
1004	bZIP17 and bZIP60 Regulate the Expression of BiP3 and Other Salt Stress Responsive Genes in an UPR-Independent Manner in <i>Arabidopsis thaliana</i> . <b>2015</b> , 116, 1638-45	44
1003	A fructose-1,6-biphosphate aldolase gene from <i>Camellia oleifera</i> : molecular characterization and impact on salt stress tolerance. <b>2015</b> , 35, 1	17
1002	Jasmonates counter plant stress: A Review. <b>2015</b> , 115, 49-57	209
1001	Effect of different macronutrient cation ratios on macronutrient and water uptake by melon ( <i>Cucumis melo</i> ) grown in recirculating nutrient solution. <b>2015</b> , 178, 320-332	22
1000	Impact patterns of soil salinity variations on the survival rate, growth performances, and physiology of <i>Pterocarpus officinalis</i> seedlings. <b>2015</b> , 29, 119-128	6
999	Salt stress response of wheat-barley addition lines carrying chromosomes from the winter barley 'Manas'. <b>2015</b> , 203, 491-504	20
998	Ectopic expression of the <i>Lycium barbarum</i> carotene hydroxylase gene ( <i>chyb</i> ) enhances drought and salt stress resistance by increasing xanthophyll cycle pool in tobacco. <b>2015</b> , 121, 559-569	14
997	Chloride (Cl <sup>-</sup> ) Uptake. <b>2015</b> , 167-173	1
996	Interactive effect of biochar and plant growth-promoting bacterial endophytes on ameliorating salinity stress in maize. <b>2015</b> , 42, 770-781	90
995	Hardening with salicylic acid induces concentration-dependent changes in abscisic acid biosynthesis of tomato under salt stress. <b>2015</b> , 183, 54-63	49
994	Red/purple leaf margin coloration: Potential ecological and physiological functions. <b>2015</b> , 119, 27-39	23

993	Differential transcript abundance of salt overly sensitive (SOS) pathway genes is a determinant of salinity stress tolerance of wheat. <b>2015</b> , 37, 1	25
992	Biochar increases arbuscular mycorrhizal plant growth enhancement and ameliorates salinity stress. <b>2015</b> , 96, 114-121	104
991	Silicon Ameliorates the Adverse Effects of Salinity on Turfgrass Growth and Development. <b>2015</b> , 38, 1885-1901	16
990	Recombinant glycinebetaine improves metabolic activities, ionic balance and salt tolerance in diazotrophic freshwater cyanobacteria. <b>2015</b> , 11, 194-203	10
989	Effects of heat shock and salinity on barley growth and stress-related gene transcription. <b>2015</b> , 59, 537-546	22
988	Modulation of salt stress effects on the growth, physio-chemical attributes and yields of <i>Phaseolus vulgaris</i> L. plants by the combined application of salicylic acid and <i>Moringa oleifera</i> leaf extract. <b>2015</b> , 193, 105-113	65
987	Evaluation of salt stress of Iranian wheat germplasm under field conditions. <b>2015</b> , 66, 770	9
986	Salt tolerant plants increase nitrogen removal from biofiltration systems affected by saline stormwater. <b>2015</b> , 83, 195-204	33
985	Impact of irrigation water salinity on agronomical and quality attributes of <i>Cenchrus ciliaris</i> L. accessions. <b>2015</b> , 159, 148-154	16
984	Effects of salt stress on biomass and ash composition of switchgrass ( <i>Panicum virgatum</i> ). <b>2015</b> , 65, 300-309	6
983	Genotypic differences in the antioxidant and carbon-nitrogen metabolism of acid-tolerant and acid-sensitive rice ( <i>Oryza sativa</i> L.) cultivars under acid stress. <b>2015</b> , 61, 808-820	
982	Photosynthetic characteristics of the benthic diatom species <i>Nitzschia frustulum</i> (Kützinger) Grunow isolated from a soda pan along temperature-, sulfate- and chloride gradients. <b>2015</b> , 49, 401-416	13
981	Salinity and Water Stress Effects on Biomass Production in Different <i>Arundo donax</i> L. Clones. <b>2015</b> , 8, 1461-1479	47
980	Investigation of Plant Abiotic Stress Tolerance by Proteomics and Phosphoproteomics. <b>2015</b> , 75-92	
979	Priming-induced antioxidative responses in two wheat cultivars under saline stress. <b>2015</b> , 37, 1	50
978	Abiotic Stress Tolerance and Sustainable Agriculture: A Functional Genomics Perspective. <b>2015</b> , 439-472	2
977	The expression patterns of plasma membrane aquaporins in leaves of sugar beet and its halophyte relative, <i>Beta vulgaris</i> ssp. <i>maritima</i> , in response to salt stress. <b>2015</b> , 70, 467-477	10
976	Growth, chlorophyll fluorescence and mineral nutrition in the halophyte <i>Tamarix gallica</i> cultivated in combined stress conditions: Arsenic and NaCl. <b>2015</b> , 149, 204-14	39

975	Positive correlation between potassium uptake and salt tolerance in wheat. <b>2015</b> , 53, 447-454	13
974	Effect of nano-silicon particles application on salinity tolerance in early growth of some lentil genotypes / Wpływ nanocząstek krzemionki na tolerancję zasolenia we wczesnym rozwoju niektórych genotypów soczewicy. <b>2015</b> , 69,	12
973	Growth and yield of cowpea/sunflower crop rotation under different irrigation management strategies with saline water. <b>2015</b> , 45, 814-820	6
972	Proteomic analysis of canola root inoculated with bacteria under salt stress. <b>2015</b> , 124, 88-111	41
971	Molecular and physiological changes in response to salt stress in Citrus macrophylla W plants overexpressing Arabidopsis CBF3/DREB1A. <b>2015</b> , 92, 71-80	16
970	Salinity control in a clay soil beneath an orchard irrigated with treated waste water in the presence of a high water table: A numerical study. <b>2015</b> , 531, 198-213	19
969	Exogenous salicylic acid improves photosynthesis and growth through increase in ascorbate-glutathione metabolism and S assimilation in mustard under salt stress. <b>2015</b> , 10, e1003751	129
968	Water deficit stress applied only or combined with salinity affects physiological parameters and antioxidant capacity in <i>Sesuvium portulacastrum</i> . <b>2015</b> , 213, 69-76	19
967	Fast responses of metabolites in <i>Vicia faba</i> L. to moderate NaCl stress. <b>2015</b> , 92, 19-29	17
966	Development and validation of a terrestrial biotic ligand model for Ni toxicity to barley root elongation for non-calcareous soils. <b>2015</b> , 202, 41-9	17
965	Down-regulation of ZmEXPB6 ( <i>Zea mays</i> expansin 6) protein is correlated with salt-mediated growth reduction in the leaves of <i>Z. mays</i> L. <b>2015</b> , 290, 11235-45	19
964	Effect of chitoooligosaccharides with different degrees of acetylation on wheat seedlings under salt stress. <b>2015</b> , 126, 62-9	73
963	Expressing AtNHX1 in barley ( <i>Hordium vulgare</i> L.) does not improve plant performance under saline conditions. <b>2015</b> , 77, 289-297	20
962	Plant water relations and ion homeostasis of Mediterranean seagrasses ( <i>Posidonia oceanica</i> and <i>Cymodocea nodosa</i> ) in response to hypersaline stress. <b>2015</b> , 162, 55-68	21
961	The Potential of Algarrobo ( <i>Prosopis chilensis</i> (Mol.) Stuntz) for Regeneration of Desertified Soils: Assessing Seed Germination Under Saline Conditions. <b>2015</b> , 56, 209-20	5
960	Proteomic analysis of <i>Mammillaria gracilis</i> Pfeiff. in vitro-grown cultures exposed to iso-osmotic NaCl and mannitol. <b>2015</b> , 122, 127-146	5
959	Cross-generic studies with rice indicate that ion homeostasis and antioxidant defense is associated with superior salinity tolerance in <i>Cynodon dactylon</i> (L.) Pers.. <b>2015</b> , 20, 14-22	6
958	Transcriptomic profiling of the salt-stress response in the halophyte <i>Halogeton glomeratus</i> . <b>2015</b> , 16, 169	50

957	Biochar Mitigates Salinity Stress in Potato. <b>2015</b> , 201, 368-378	120
956	Salt stress reduces root meristem size by nitric oxide-mediated modulation of auxin accumulation and signaling in Arabidopsis. <b>2015</b> , 168, 343-56	206
955	Salinity-induced expression of HKT may be crucial for Na(+) exclusion in the leaf blade of huckleberry ( <i>Solanum scabrum</i> Mill.), but not of eggplant ( <i>Solanum melongena</i> L.). <b>2015</b> , 460, 416-21	21
954	Sequencing and expression analysis of salt-responsive miRNAs and target genes in the halophyte smooth cordgrass ( <i>Spartina alternifolia</i> Loisel). <b>2015</b> , 42, 1341-50	12
953	Comparative proteomic and physiological characterisation of two closely related rice genotypes with contrasting responses to salt stress. <b>2015</b> , 42, 527-542	13
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948	Implications of miR166 and miR159 induction to the basal response mechanisms of an andigena potato ( <i>Solanum tuberosum</i> subsp. <i>andigena</i> ) to salinity stress, predicted from network models in Arabidopsis. <b>2015</b> , 58, 13-24	27
947	Superoxide dismutase--mentor of abiotic stress tolerance in crop plants. <b>2015</b> , 22, 10375-94	160
946	Identification of genes involved in biosynthesis of mannan polysaccharides in <i>Dendrobium officinale</i> by RNA-seq analysis. <b>2015</b> , 88, 219-31	54
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943	A ginseng PgTIP1 gene whose protein biological activity related to Ser(128) residue confers faster growth and enhanced salt stress tolerance in Arabidopsis. <b>2015</b> , 234, 74-85	8
942	Differential response of NADP-dehydrogenases and carbon metabolism in leaves and roots of two durum wheat ( <i>Triticum durum</i> Desf.) cultivars (Karim and Azizi) with different sensitivities to salt stress. <b>2015</b> , 179, 56-63	37
941	Influence of exogenous application of glycinebetaine on antioxidative system and growth of salt-stressed soybean seedlings ( <i>Glycine max</i> L.). <b>2015</b> , 21, 225-32	55
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938	Effects of salinity on physiological parameters of grafted and ungrafted citrus trees. <b>2015</b> , 197, 483-489	7
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932	Comparative metabolic responses and adaptive strategies of wheat ( <i>Triticum aestivum</i> ) to salt and alkali stress. <b>2015</b> , 15, 170	125
931	Salt priming improved salt tolerance in sweet sorghum by enhancing osmotic resistance and reducing root Na <sup>+</sup> uptake. <b>2015</b> , 37, 1	14
930	Influence of arbuscular mycorrhizal fungi and treated wastewater on water relations and leaf structure alterations of <i>Viburnum tinus</i> L. plants during both saline and recovery periods. <b>2015</b> , 188, 96-105	16
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927	Comparison of individual and combined effects of salinity and deficit irrigation on physiological, nutritional and ornamental aspects of tolerance in <i>Callistemon laevis</i> plants. <b>2015</b> , 185, 65-74	38
926	Effect of salt stress on genotypes of commercial ( <i>Fragaria x ananassa</i> ) and Chilean strawberry ( <i>F. chiloensis</i> ). <b>2015</b> , 195, 37-47	22
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826	Resilience of cassava ( <i>Manihot esculenta</i> Crantz) to salinity: implications for food security in low-lying regions. <b>2016</b> , 67, 5403-5413	28
825	How rootstocks influence salt tolerance in grapevine? The roles of conferred vigor and ionic exclusion. <b>2016</b> , 145-154	1
824	Sodium uptake of <i>Iris wilsonii</i> and its photosynthetic responses to high-salinity stress in microcosm submerged beds. <b>2016</b> , 74, 2185-2191	
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822	Effects of salt stress on photosynthetic characteristics of beach plum and other <i>Prunus</i> species. <b>2016</b> , 233-240	
821	The effect of nutrient solution on yield, its quality and the reaction of photosynthetic apparatus of endive ( <i>Cichorium endivia</i> ) grown in hydroponics. <b>2016</b> , 335-342	0
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56	Comparative Analysis of Morphological, Physiological, Anatomic and Biochemical Responses in Relatively Sensitive <i>Zinnia elegans</i> 'Zinnita Scarlet' and Relatively Tolerant <i>Zinnia marylandica</i> 'Double Zahara Fire Improved' Under Saline Conditions. <b>2023</b> , 9, 247	0
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54	River mangrove <i>Aegiceras corniculatum</i> maintains certain levels of Na <sup>+</sup> and Cl <sup>-</sup> in leaves to adapt seasonal freshwater.	0
53	Impact of water deficit (salt and drought) stress on physiological, biochemical and yield attributes on wheat ( <i>Triticum aestivum</i> ) varieties. <b>2018</b> , 88, 1624-1632	2
52	Mitigating Drought Stress Effects in Arid and Semi-Arid Agro-Ecosystems through Bioirrigation Strategies—A Review. <b>2023</b> , 15, 3542	0
51	In vitro selection for drought and salt stress tolerance in rice: an overview.	0
50	Salt-responsive bermudagrass microRNAs and insights into light reaction photosynthetic performance. 14,	0
49	Different vegetal protein hydrolysates distinctively alleviate salinity stress in vegetable crops: A case study on tomato and lettuce. 14,	1
48	Salicylic acid had the potential to enhance tolerance in horticultural crops against abiotic stress. 14,	0
47	Silicon nanoparticles (SiNPs) restore photosynthesis and essential oil content by upgrading enzymatic antioxidant metabolism in lemongrass ( <i>Cymbopogon flexuosus</i> ) under salt stress. 14,	1
46	Silicon Increased Sodium Transporter Gene Expressions in Apple Under Short- and Long-Term Salt Stress.	0
45	Microbial Mitigation of Abiotic Stress in Crops. <b>2023</b> , 197-241	0
44	Effects of salinity and iron deficiency on growth and physiological attributes of <i>Avicennia marina</i> (Forssk.) Vierh. 1-14	0
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42	Potential of Brackish Groundwater for Different Biosaline Agriculture Systems in the Brazilian Semi-Arid Region. <b>2023</b> , 13, 550	0
41	Innovation and Practical Experience of Using Saline Water at the Farm Level in Tunisia. <b>2023</b> , 47-70	1
40	Effect of Plant Growth Regulators on Creeping Bentgrass during Heat, Salt, and Combined Stress. <b>2023</b> , 58, 410-418	0

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- 38 The Interactive Effects of Silicon and Arbuscular Mycorrhizal Fungi on Growth, Physio-biochemical Traits, and Cob Yield of Baby Corn Plants under Salt Stress. ○
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- 22 Review of phenotypic response of diatoms to salinization with biotechnological relevance. ○



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