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## Hydroxyl radical scavenging activity of compatible solutes

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1408	Transgenic tobacco plants accumulating osmolytes show reduced oxidative damage under freezing stress. <b>2004</b> , 42, 57-63		119
1407	Spermine accumulation under salt stress. <b>2004</b> , 161, 35-42		90
1406	Salinity, Osmolytes and Compatible Solutes. <b>2002</b> , 181-204		24
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1403	Enhanced tolerance to photoinhibition in transgenic plants through targeting of glycinebetaine biosynthesis into the chloroplasts. <b>2004</b> , 166, 1197-1212		50
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1395	Before and beyond ABA: upstream sensing and internal signals that determine ABA accumulation and response under abiotic stress. <b>2005</b> , 33, 375-9	163
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1392	Osmotolerance and growth stimulation of transgenic tobacco cells accumulating free proline by silencing proline dehydrogenase expression with double-stranded RNA interference technique. <b>2005</b> , 125, 224-234	29
1391	Contribution of inorganic components to osmotic adjustment and leaf folding for drought tolerance in pearl millet. <b>2005</b> , 125, 474-489	87
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1387	Effects of NaCl stress on germination, antioxidant responses, and proline content in two rice cultivars. <b>2005</b> , 48, 201-208	22
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1375	Effect of salt stress on proline metabolism in two high yielding genotypes of green gram. <b>2005</b> , 169, 331-339	152
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1237	Proline antioxidant role in the common ice plant subjected to salinity and paraquat treatment inducing oxidative stress. <b>2009</b> , 56, 663-669	54
1236	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
1235	Iron-induced oxidative stress in a macrophyte: a chemometric approach. <b>2009</b> , 72, 585-95	29
1234	Differential protection of ethylenediurea (EDU) against ambient ozone for five cultivars of tropical wheat. <b>2009</b> , 157, 2359-67	45
1233	Protective effect of the extracts from <i>Cnidium officinale</i> against oxidative damage induced by hydrogen peroxide via antioxidant effect. <b>2009</b> , 47, 525-9	48
1232	Effect of extracts from pine needle against oxidative DNA damage and apoptosis induced by hydroxyl radical via antioxidant activity. <b>2009</b> , 47, 2135-41	47
1231	The relationship between metal toxicity and cellular redox imbalance. <b>2009</b> , 14, 43-50	782
1230	Effect of salicylic acid on proline metabolism in lentil grown under salinity stress. <b>2009</b> , 177, 181-189	158
1229	Synthesized phosphorylated and aminated derivatives of fucoidan and their potential antioxidant activity in vitro. <b>2009</b> , 44, 170-4	75
1228	Synthesized different derivatives of low molecular fucoidan extracted from <i>Laminaria japonica</i> and their potential antioxidant activity in vitro. <b>2009</b> , 44, 379-84	53
1227	Preparation of different molecular weight polysaccharides from <i>Porphyridium cruentum</i> and their antioxidant activities. <b>2009</b> , 45, 42-7	222
1226	Composition analysis and antioxidant activity of polysaccharide from <i>Dendrobium denneanum</i> . <b>2009</b> , 45, 169-73	129
1225	Proline metabolism in response to salt stress in common reed [ <i>Phragmites australis</i> (Cav.) Trin. ex Steud]. <b>2009</b> , 52,	8
1224	Chilling tolerance in maize: agronomic and physiological approaches. <b>2009</b> , 60, 501	112
1223	Physiological Roles of Polyols in Horticultural Crops. <b>2009</b> , 78, 158-168	25
1222	Comparative study of common bean ( <i>Phaseolus vulgaris</i> L.) and mungbean ( <i>Vigna radiata</i> (L.) Wilczek) response to seven watering regimes in a controlled environment. <b>2010</b> , 61, 918	5

1221	Soluble sugars and proline accumulation play a role as effective indices for drought tolerance screening in Persian walnut ( <i>Juglans regia</i> L.) during germination. <b>2010</b> , 65, 97-112	48
1220	Role of Proline in Plant Response to Drought and Salinity. <b>2010</b> , 213-238	12
1219	Ecophysiological adaptation of <i>Calligonum roborovskii</i> to decreasing soil water content along an altitudinal gradient in the Kunlun Mountains, central Asia. <b>2010</b> , 57, 826-832	1
1218	Arbuscular mycorrhizal fungi, <i>Bacillus cereus</i> , and <i>Candida parapsilosis</i> from a multicontaminated soil alleviate metal toxicity in plants. <b>2010</b> , 59, 668-77	74
1217	Gene cloning and catalysis features of a new mannitol-1-phosphate dehydrogenase (BbMPD) from <i>Beauveria bassiana</i> . <b>2010</b> , 345, 50-4	6
1216	Glutamate kinase from <i>Thermotoga maritima</i> : characterization of a thermophilic enzyme for proline biosynthesis. <b>2010</b> , 14, 409-15	5
1215	Proline improves copper tolerance in chickpea ( <i>Cicer arietinum</i> ). <b>2010</b> , 245, 173-81	20
1214	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
1213	Mechanism of Osmo Regulation in Response to Salinity Stress in Sugarcane. <b>2010</b> , 12, 305-311	9
1212	Isolation and identification of two flavonoid-producing endophytic fungi from <i>Ginkgo biloba</i> L.. <b>2010</b> , 60, 143-150	56
1211	The Complement of Soluble Sugars in the Saccharum Complex. <b>2010</b> , 3, 110-122	6
1210	Improvement of heat and drought photosynthetic tolerance in wheat by overaccumulation of glycinebetaine. <b>2010</b> , 4, 213-222	71
1209	Effect of salt stress on cucumber: Na <sup>+</sup> /K <sup>+</sup> ratio, osmolyte concentration, phenols and chlorophyll content. <b>2010</b> , 32, 103-114	92
1208	Osmolytes and metal ions accumulation, oxidative stress and antioxidant enzymes activity as determinants of salinity stress tolerance in maize genotypes. <b>2010</b> , 32, 477-486	22
1207	The protection of wheat plasma membrane under cold stress by glycine betaine overproduction. <b>2010</b> , 54, 83-88	37
1206	Metabolic engineering using mtLD gene enhances tolerance to water deficit and salinity in sorghum. <b>2010</b> , 54, 647-652	38
1205	Transgenic tomato cv. Pusa Uphar expressing a bacterial mannitol-1-phosphate dehydrogenase gene confers abiotic stress tolerance. <b>2010</b> , 103, 267-277	74
1204	Isolation and antioxidant property of the extracellular polysaccharide from <i>Rhodella reticulata</i> . <b>2010</b> , 26, 833-840	87

1203	Drought effect on photosynthetic activity, osmolyte accumulation and membrane integrity of two <i>Cicer arietinum</i> genotypes. <b>2010</b> , 48, 303-312	27
1202	Constitutive expression of mustard annexin, AnnBj1 enhances abiotic stress tolerance and fiber quality in cotton under stress. <b>2010</b> , 73, 293-308	66
1201	Drought-induced oxidative damage and antioxidant responses in peanut ( <i>Arachis hypogaea</i> L.) seedlings. <b>2010</b> , 61, 21-28	59
1200	Fragrance in rice ( <i>Oryza sativa</i> ) is associated with reduced yield under salt treatment. <b>2010</b> , 68, 292-300	43
1199	The use of Sunpatiens ( <i>Impatiens</i> spp.) as a bioindicator of some simulated air pollutants--using an ornamental plant as bioindicator. <b>2010</b> , 81, 273-81	9
1198	HbMT2, an ethephon-induced metallothionein gene from <i>Hevea brasiliensis</i> responds to H <sub>2</sub> O <sub>2</sub> stress. <b>2010</b> , 48, 710-5	26
1197	Reactive oxygen species and antioxidant machinery in abiotic stress tolerance in crop plants. <b>2010</b> , 48, 909-30	6052
1196	Biologically important thiols in aqueous extracts of spices and evaluation of their in vitro antioxidant properties. <b>2010</b> , 118, 589-593	35
1195	Preparation of a hydroxypropyl <i>Ganoderma lucidum</i> polysaccharide and its physicochemical properties. <b>2010</b> , 122, 965-971	32
1194	Lactobacilli prevent hydroxy radical production and inhibit <i>Escherichia coli</i> and <i>Enterococcus</i> growth in system mimicking colon fermentation. <b>2010</b> , 50, 264-9	40
1193	Sugar signalling and antioxidant network connections in plant cells. <b>2010</b> , 277, 2022-37	331
1192	Reactive oxygen species homeostasis and signalling during drought and salinity stresses. <b>2010</b> , 33, 453-67	2207
1191	Sex-related adaptive responses to interaction of drought and salinity in <i>Populus yunnanensis</i> . <b>2010</b> , 33, 1767-78	101
1190	Photochemistry of bacteriochlorophylls in human blood plasma: 2. Reaction mechanism investigated by product analysis and deuterium isotope effect. <b>2010</b> , 86, 342-52	2
1189	Physiological Changes during Cold Acclimation of Perennial Ryegrass Accessions Differing in Freeze Tolerance. <b>2010</b> , 50, 1037-1047	38
1188	Study of potential impacts of using sewage sludge in the amendment of desert reclaimed soil on wheat and jews mallow plants. <b>2010</b> , 53, 917-930	27
1187	Antioxidant properties of cap and stipe from <i>Coprinus comatus</i> . <b>2010</b> , 15, 1473-86	33
1186	Atlas of rice grain filling-related metabolism under high temperature: joint analysis of metabolome and transcriptome demonstrated inhibition of starch accumulation and induction of amino acid accumulation. <b>2010</b> , 51, 795-809	196

1185	Antioxidant activities of <i>Sarcodon imbricatum</i> wildy grown in the Black Sea Region of Turkey. <b>2010</b> , 6, 89-97	19
1184	Low-Calorie Sugars Produced by Lactic Acid Bacteria. 193-209	7
1183	Responses of Halophytes to Environmental Stresses with Special Emphasis to Salinity. <b>2010</b> , 53, 117-145	67
1182	Salinity Tolerance in Olive. <b>2010</b> , 177-214	8
1181	Methods for determination of proline in plants. <b>2010</b> , 639, 317-31	117
1180	In Vitro and in Vivo Antioxidant Effects and the Possible Relationship between the Antidepressant Efficacy of Traditional Chinese Medicine Formulation Chaihu Shugan San. <b>2010</b> , 8, 353-361	10
1179	Chemical composition and antioxidant activities of <i>Russula griseocarnosa</i> sp. nov. <b>2010</b> , 58, 6966-71	54
1178	Physiological and biochemical responses of peanut genotypes to water deficit. <b>2010</b> , 5, 1-10	21
1177	Combined NMR and LC-MS analysis reveals the metabonomic changes in <i>Salvia miltiorrhiza</i> Bunge induced by water depletion. <b>2010</b> , 9, 1460-75	109
1176	Potential antioxidant and anticoagulant capacity of low molecular weight fucoidan fractions extracted from <i>Laminaria japonica</i> . <b>2010</b> , 46, 6-12	291
1175	Antioxidant activity of sulfated polysaccharide fractions extracted from <i>Undaria pinnatifida</i> in vitro. <b>2010</b> , 46, 193-8	148
1174	Characterization and antioxidant activity of two low-molecular-weight polysaccharides purified from the fruiting bodies of <i>Ganoderma lucidum</i> . <b>2010</b> , 46, 451-7	190
1173	Structure elucidation and antioxidant activity of a novel polysaccharide isolated from <i>Tricholoma matsutake</i> . <b>2010</b> , 47, 271-5	43
1172	Nitrophenolates spray can alter boll abscission rate in cotton through enhanced peroxidase activity and increased ascorbate and phenolics levels. <b>2010</b> , 167, 1-9	20
1171	Antioxidant, toxicological and antiproliferative properties of Canadian polyphenolic extracts on normal and psoriatic keratinocytes. <b>2010</b> , 132, 251-8	43
1170	Biological activities of sulfated polysaccharides from tropical seaweeds. <i>Biomedicine and Pharmacotherapy</i> , <b>2010</b> , 64, 21-8	7.5 418
1169	Lunasin peptide purified from <i>Solanum nigrum</i> L. protects DNA from oxidative damage by suppressing the generation of hydroxyl radical via blocking fenton reaction. <b>2010</b> , 293, 58-64	64
1168	Tolerance of arsenate-induced stress in <i>Aspergillus niger</i> , a possible candidate for bioremediation. <b>2010</b> , 73, 172-82	57



1167	Proline: a multifunctional amino acid. <b>2010</b> , 15, 89-97	2265
1166	Physiological responses and relative tolerance by Chinese apple rootstocks to NaCl stress. <b>2010</b> , 126, 247-252	31
1165	Protection of thylakoids against combined light and drought by a luminal substance in the resurrection plant <i>Haberlea rhodopensis</i> . <b>2010</b> , 105, 117-26	43
1164	Proline metabolism and its implications for plant-environment interaction. <b>2010</b> , 8, e0140	291
1163	Reduced trigonelline accumulation due to rhizobial activity improves grain yield in peanut ( <i>Arachis hypogaea</i> L.). <b>2011</b> , 61, 395-403	4
1162	Physiological responses of <i>Abies faxoniana</i> seedlings to different non-growing-season temperatures as revealed by reciprocal transplantations at two contrasting altitudes. <b>2011</b> , 41, 599-607	7
1161	Novel flavonoids from the leaves of <i>Actinidia valvata</i> Dunn: structural elucidation and antioxidant activity. <b>2011</b> , 77, 70-3	11
1160	The food additives inulin and stevioside counteract oxidative stress. <b>2011</b> , 62, 207-14	130
1159	Competitive biosorption of different forms of lead [ $Pb(NO_3)_2$ and $Pb(CH_3COO)_2$ ] on growth, biomass and proline in <i>Spirulina platensis</i> (Cyanophyta). <b>2011</b> , 10,	
1158	Plants in Extreme Environments: Importance of Protective Compounds in Stress Tolerance. <b>2011</b> , 57, 105-150	38
1157	Co-expression of <i>Pennisetum glaucum</i> vacuolar $Na^+/H^+$ antiporter and <i>Arabidopsis</i> $H^+$ -pyrophosphatase enhances salt tolerance in transgenic tomato. <b>2011</b> , 62, 5561-70	66
1156	In vitro antioxidant activities of sulfated derivatives of polysaccharides extracted from <i>Auricularia auricular</i> . <b>2011</b> , 12, 3288-302	49
1155	Polyphenol contents and radical scavenging capacities of red maple ( <i>Acer rubrum</i> L.) extracts. <b>2011</b> , 49, 2180-8	54
1154	Evaluation to the antioxidant activity of total flavonoids extract from persimmon ( <i>Diospyros kaki</i> L.) leaves. <b>2011</b> , 49, 2689-96	193
1153	The transcriptional response of <i>Saccharomyces cerevisiae</i> to proapoptotic concentrations of <i>Pichia membranifaciens</i> killer toxin. <b>2011</b> , 48, 979-89	6
1152	Sulfated modification and antioxidant activity of exopolysaccharides produced by <i>Enterobacter cloacae</i> Z0206. <b>2011</b> , 48, 607-12	35
1151	In vitro antioxidant activities of sulfated polysaccharide fractions extracted from <i>Corallina officinalis</i> . <b>2011</b> , 49, 1031-7	70
1150	Hexaconazole induces antioxidant protection and apigenin-7-glucoside accumulation in <i>Matricaria chamomilla</i> plants subjected to drought stress. <b>2011</b> , 168, 782-91	21

1149	Defence responses in leaves of resistant and susceptible pepper ( <i>Capsicum annuum</i> L.) cultivars infected with different inoculum concentrations of <i>Phytophthora capsici</i> Leon. <b>2011</b> , 128, 434-442	16
1148	Drought Tolerance. <b>2011</b> , 249-296	87
1147	Growth assessments of <i>Nicotianatabaccum</i> cv.Xanthi transformed with <i>Arabidopsis thaliana</i> P5CS under salt stress. <b>2011</b> , 10, 8539-8552	6
1146	Ascorbic acid, thiamine or salicylic acid induced changes in some physiological parameters in wheat grown under copper stress. <b>2011</b> , 47, 92-108	23
1145	In vitro and in vivo antioxidant activity of a water-soluble polysaccharide from <i>Dendrobium denneanum</i> . <b>2011</b> , 16, 1579-92	37
1144	In vitro antioxidant activities of endophytic fungi isolated from the liverwort <i>Scapania verrucosa</i> . <b>2011</b> , 10, 3169-79	17
1143	Glycinebetaine protects plants against abiotic stress: mechanisms and biotechnological applications. <b>2011</b> , 34, 1-20	443
1142	Comparative ionomics and metabolomics in extremophile and glycophytic <i>Lotus</i> species under salt stress challenge the metabolic pre-adaptation hypothesis. <b>2011</b> , 34, 605-17	104
1141	Integrative analysis of metabolite and transcript abundance during the short-term response to saline and oxidative stress in the brown alga <i>Ectocarpus siliculosus</i> . <b>2011</b> , 34, 629-42	73
1140	The dominant glutamic acid metabolic flux to produce $\beta$ amino butyric acid over proline in <i>Nicotiana tabacum</i> leaves under water stress relates to its significant role in antioxidant activity. <b>2011</b> , 53, 608-18	100
1139	Differential metabolic responses of perennial grass <i>Cynodon transvaalensis</i> / <i>Cynodon dactylon</i> (C) and <i>Poa Pratensis</i> (C) to heat stress. <b>2011</b> , 141, 251-64	81
1138	Structural characterization and antioxidant activities of 2 water-soluble polysaccharide fractions purified from tea ( <i>Camellia sinensis</i> ) flower. <b>2011</b> , 76, C462-71	71
1137	Effect of dimethoate and UV-B irradiation on the response of antioxidant defense systems in cowpea ( <i>Vigna unguiculata</i> L.) seedlings. <b>2011</b> , 100, 118-123	20
1136	Exogenously applied hexaconazole ameliorates salinity stress by inducing an antioxidant defense system in <i>Brassica napus</i> L. plants. <b>2011</b> , 100, 244-250	16
1135	Drought tolerance and antioxidant enzymatic activity in transgenic $\beta$ wingletitrumelo plants over-accumulating proline. <b>2011</b> , 72, 242-250	95
1134	<i>Solanum nigrum</i> L. antioxidant defence system isozymes are regulated transcriptionally and posttranslationally in Cd-induced stress. <b>2011</b> , 72, 312-319	57
1133	Genetic transformation of lipid transfer protein encoding gene in <i>Phalaenopsis amabilis</i> to enhance cold resistance. <b>2011</b> , 177, 33-43	20
1132	Heterologous expression of P5CS gene in chickpea enhances salt tolerance without affecting yield. <b>2011</b> , 55,	34

1131	Non-protein amino acids: plant, soil and ecosystem interactions. <b>2011</b> , 342, 31-48	86
1130	Alleviation of the adverse effects of salinity stress in wheat ( <i>Triticum aestivum</i> L.) by seed biopriming with salinity tolerant isolates of <i>Trichoderma harzianum</i> . <b>2011</b> , 347, 387-400	62
1129	Antarctic terrestrial ecosystem and role of pigments in enhanced UV-B radiations. <b>2011</b> , 10, 63-77	34
1128	Role of microorganisms in adaptation of agriculture crops to abiotic stresses. <b>2011</b> , 27, 1231-1240	406
1127	Betaine aldehyde dehydrogenase genes from <i>Arabidopsis</i> with different sub-cellular localization affect stress responses. <i>Planta</i> , <b>2011</b> , 233, 369-82	4-7 80
1126	Interactive effect of calcium and gibberellin on nickel tolerance in relation to antioxidant systems in <i>Triticum aestivum</i> L. <b>2011</b> , 248, 503-11	94
1125	Enhancement of exo-polysaccharide production and antioxidant activity in submerged cultures of <i>Inonotus obliquus</i> by lignocellulose decomposition. <b>2011</b> , 38, 291-8	41
1124	Metabolite profiling of sucrose effect on the metabolism of <i>Melissa officinalis</i> by gas chromatography-mass spectrometry. <b>2011</b> , 399, 3519-28	12
1123	A comparative study on the antioxidant activities of an acidic polysaccharide and various solvent extracts derived from herbal <i>Houttuynia cordata</i> . <b>2011</b> , 83, 537-544	103
1122	Oxidation of $\beta$ -glucan extracted from <i>Poria cocos</i> and its physiological activities. <b>2011</b> , 85, 798-802	26
1121	Effect of low doses $\gamma$ -radiation on oxidative stress and secondary metabolites production of rosemary ( <i>Rosmarinus officinalis</i> L.) callus culture. <b>2011</b> , 80, 968-976	76
1120	Structure and bio-properties of extracellular polysaccharide from <i>Bacillus</i> sp. strain LBP32 Isolated from LUOBOPO desert. <b>2011</b> , 16, 761-768	7
1119	Cryopreservation and microencapsulation of a probiotic in alginate-chitosan capsules improves survival in simulated gastrointestinal conditions. <b>2011</b> , 16, 1106-1114	58
1118	Proline induces heat tolerance in chickpea ( <i>Cicer arietinum</i> L.) plants by protecting vital enzymes of carbon and antioxidative metabolism. <b>2011</b> , 17, 203-13	114
1117	Physiological responses of two Jerusalem artichoke cultivars to drought stress induced by polyethylene glycol. <b>2011</b> , 33, 313-318	25
1116	Implications of paraquat and hydrogen peroxide-induced oxidative stress treatments on the GABA shunt pathway in <i>Arabidopsis thaliana</i> calmodulin mutants. <b>2011</b> , 5, 225-234	20
1115	Abiotic Stress and Metabolomics. <b>2011</b> , 61-85	9
1114	Determination of antioxidant activities of various extracts and essential oil compositions of <i>Thymus praecox</i> subsp. <i>skorpilii</i> var. <i>skorpilii</i> . <b>2011</b> , 124, 58-64	54

1113	Antioxidant and immunobiological activity of water-soluble polysaccharide fractions purified from <i>Acanthopanax senticosu</i> . <b>2011</b> , 127, 434-40	173
1112	Sulphated modification of a polysaccharide obtained from fresh persimmon ( <i>Diospyros kaki</i> L.) fruit and antioxidant activities of the sulphated derivatives. <b>2011</b> , 127, 1084-90	48
1111	Structural analysis and bioactivity of a polysaccharide from the roots of <i>Astragalus membranaceus</i> (Fisch) Bge. var. <i>mongolicus</i> (Bge.) Hsiao. <b>2011</b> , 128, 620-626	60
1110	Superoxide-dependent reduction of free Fe(3+) and release of Fe(2+) from ferritin by the physiologically-occurring Cu(I)-glutathione complex. <b>2011</b> , 19, 534-41	20
1109	Antioxidant and moisture-retention activities of the polysaccharide from <i>Nostoc commune</i> . <b>2011</b> , 83, 1821-1827	95
1108	Synthesis and hydroxyl radicals scavenging activity of N-(aminoethyl)inulin. <b>2011</b> , 85, 268-271	27
1107	Sulfation of the extracellular polysaccharide produced by the edible mushroom <i>Pleurotus sajor-caju</i> alters its antioxidant, anticoagulant and antiproliferative properties in vitro. <b>2011</b> , 85, 514-521	38
1106	Antioxidant activities of extract and fractions from <i>Tuber indicum</i> Cooke & Massee. <b>2011</b> , 127, 1634-1640	50
1105	Porphyrin biosynthesis control under water stress: sustained porphyrin status correlates with drought tolerance in transgenic rice. <b>2011</b> , 157, 1746-64	75
1104	Effect of drought and rewatering on the cellular status and antioxidant response of <i>Medicago truncatula</i> plants. <b>2011</b> , 6, 270-7	91
1103	Notice of Retraction: Extraction and Antioxidant Activities of Oligosaccharides from Different Parts of the Ascidian <i>Styela Clava</i> . <b>2011</b> ,	0
1102	Compatible solutes of sclerotia of <i>Mycoleptodiscus terrestris</i> under different culture and drying conditions. <b>2011</b> , 21, 113-123	3
1101	Global gene expression analysis of transgenic, mannitol-producing, and salt-tolerant <i>Arabidopsis thaliana</i> indicates widespread changes in abiotic and biotic stress-related genes. <b>2011</b> , 62, 4787-803	56
1100	Rice MADS3 regulates ROS homeostasis during late anther development. <b>2011</b> , 23, 515-33	191
1099	Ion transport and osmotic adjustment in plants and bacteria. <b>2011</b> , 2, 407-19	76
1098	Drought, Desiccation, and Oxidative Stress. <b>2011</b> , 209-231	27
1097	Screening of antioxidant, antimicrobial activities and chemical contents of edible mushrooms wildly grown in the black sea region of Turkey. <b>2011</b> , 14, 72-84	49
1096	Notice of Retraction: In Vitro Evaluation of Antioxidant Activities of Extracts from Mycelia of <i>Lentinula edodes</i> . <b>2011</b> ,	

1095	Spectroscopic investigations of hematoxylin-Eu(III) complex interacting with Herring-sperm DNA. <b>2011</b> , 64, 2791-2803	4
1094	Phenols in leaves and bark of <i>Fagus sylvatica</i> as determinants of insect occurrences. <b>2011</b> , 12, 2769-82	16
1093	Chemical composition and antioxidant activities of three polysaccharide fractions from pine cones. <b>2012</b> , 13, 14262-77	48
1092	Antioxidant Activities of <i>Mirabilis jalapa</i> L. Seed Epicarp Extract. <b>2012</b> , 550-553, 1768-1772	0
1091	Role of calcium alginate and mannitol in protecting <i>Bifidobacterium</i> . <b>2012</b> , 78, 6914-21	24
1090	Study on Nutritional Components of the White Cornmeal and Its Anti-Oxidation Activity. <b>2012</b> , 01, 34-41	
1089	Novel glucosamine hydrochloride-rectorite nanocomposites with antioxidant and anti-ultraviolet activity. <b>2012</b> , 23, 495706	9
1088	Role of proline under changing environments: a review. <b>2012</b> , 7, 1456-66	1196
1087	Chemical characteristics and antioxidant properties of crude water soluble polysaccharides from four common edible mushrooms. <b>2012</b> , 17, 4373-87	54
1086	Ecophysiological responses of the salt marsh grass <i>Spartina maritima</i> to salinity. <b>2012</b> , 37, 81-88	26
1085	Leaf gas exchange and competitive ability of <i>Zea mays</i> and <i>Sorghum halepense</i> as affected by water competition. <b>2012</b> , 60, 231-246	1
1084	In vitro antioxidant properties of flavonoids and polysaccharides extract from tobacco ( <i>Nicotiana tabacum</i> L.) leaves. <b>2012</b> , 17, 11281-91	23
1083	Abiotic Stress Responses in Plants: An Overview. <b>2012</b> , 1-28	50
1082	Extraction of pigment from sugarcane juice alcohol wastewater and evaluation of its antioxidant and free radical scavenging activities. <b>2012</b> , 21, 1489-1496	17
1081	Antioxidant, cytotoxic and hemolytic effects of sulfated galactans from edible red alga <i>Hypnea musciformis</i> . <b>2012</b> , 24, 1217-1227	30
1080	Structure and antioxidant activity of polysaccharide POJ-U1a extracted by ultrasound from <i>Ophiopogon japonicus</i> . <b>2012</b> , 83, 1576-84	49
1079	Antioxidant and angiotensin I-converting enzyme inhibitory properties of oligopeptides derived from black-bone silky fowl ( <i>Gallus gallus domesticus</i> Brisson) muscle. <b>2012</b> , 49, 326-333	24
1078	Free radical scavenging activity of ethanolic extract of <i>Desmodium gangeticum</i> . <b>2012</b> , 2, 36-42	21

1077	Optimization of ultrasonic extraction process of polysaccharides from <i>Ornithogalum Caudatum</i> Ait and evaluation of its biological activities. <b>2012</b> , 19, 1160-8	79
1076	Mannitol induces the conversion of conidia to chlamyospore-like structures that confer enhanced tolerance to heat, drought, and UV in <i>Gibberella zeae</i> . <b>2012</b> , 167, 608-15	30
1075	Antioxidant, antiproliferative, and pro-apoptotic activities of a saponin extract derived from the roots of <i>Panax notoginseng</i> (Burk.) F.H. Chen. <b>2012</b> , 15, 350-9	72
1074	The role of <i>Glomus mosseae</i> on key physiological and biochemical parameters of pea plants grown in arsenic contaminated soil. <b>2012</b> , 143, 92-101	56
1073	Soluble carbohydrates in legume seeds. <b>2012</b> , 22, 219-242	43
1072	Determination of reactive oxygen species in salt-stressed plant tissues. <b>2012</b> , 913, 225-36	10
1071	Optimization of polysaccharides from <i>Panax japonicus</i> C.A. Meyer by RSM and its anti-oxidant activity. <b>2012</b> , 50, 331-6	82
1070	In vitro antioxidant effects and cytotoxicity of polysaccharides extracted from <i>Laminaria japonica</i> . <b>2012</b> , 50, 1254-9	30
1069	Chemical analysis and antioxidant activity in vitro of a $\beta$ -D-glucan isolated from <i>Dictyophora indusiata</i> . <b>2012</b> , 51, 70-5	62
1068	Characterization and in vitro antioxidant activities of polysaccharides from <i>Pleurotus ostreatus</i> . <b>2012</b> , 51, 259-65	48
1067	Comparative proteomic analysis reveals the mechanisms governing cotton fiber differentiation and initiation. <b>2012</b> , 75, 845-56	38
1066	Nitric oxide fumigation stimulates flavonoid and phenolic accumulation and enhances antioxidant activity of mushroom. <b>2012</b> , 135, 1220-5	44
1065	Extraction of polysaccharides from herbal <i>Scutellaria barbata</i> D. Don (Ban-Zhi-Lian) and their antioxidant activity. <b>2012</b> , 89, 1131-7	58
1064	Role of the vacuole in the redox homeostasis of plant cells. <b>2012</b> , 59, 611-617	15
1063	Proline is required for male gametophyte development in <i>Arabidopsis</i> . <b>2012</b> , 12, 236	55
1062	Antioxidant activity of ripe and unripe pepino fruit ( <i>Solanum muricatum</i> Aiton). <b>2012</b> , 77, C1131-5	15
1061	Transgenic plants for abiotic stress tolerance: current status. <b>2012</b> , 58, 693-721	21
1060	Antioxidant and antitumor activities of the polysaccharide from seed cake of <i>Camellia oleifera</i> Abel. <b>2012</b> , 51, 364-8	42

1059	Antioxidant and hepatoprotective potential of endo-polysaccharides from <i>Herichium erinaceus</i> grown on tofu whey. <b>2012</b> , 51, 1140-6	83
1058	An antioxidant exopolysaccharide devoid of pro-oxidant activity produced by the soil bacterium <i>Bordetella</i> sp. B4. <b>2012</b> , 124, 245-51	12
1057	1-Aminocyclopropane-1-carboxylic acid (ACC) deaminase-containing rhizobacteria protect <i>Ocimum sanctum</i> plants during waterlogging stress via reduced ethylene generation. <b>2012</b> , 58, 227-35	136
1056	Melatonin enhances root regeneration, photosynthetic pigments, biomass, total carbohydrates and proline content in the cherry rootstock PHL-C ( <i>Prunus avium</i> [Prunus cerasus]). <b>2012</b> , 61, 162-8	104
1055	Ultrasound complex enzymes assisted extraction and biochemical activities of polysaccharides from <i>Epimedium</i> leaves. <b>2012</b> , 47, 2040-2050	70
1054	Partial characterization, antioxidant and antitumor activities of three sulfated polysaccharides purified from <i>Bullacta exarata</i> . <b>2012</b> , 4, 784-792	36
1053	Supercritical carbon dioxide extraction of flavonoids from pomelo ( <i>Citrus grandis</i> (L.) Osbeck) peel and their antioxidant activity. <b>2012</b> , 13, 13065-78	40
1052	[Proline, a multifunctional amino-acid involved in plant adaptation to environmental constraints]. <b>2012</b> , 206, 291-9	17
1051	Antioxidant response to drought in red and white clover. <b>2012</b> , 34, 1689-1699	27
1050	The response of Mo-hydroxylases and abscisic acid to salinity in wheat genotypes with differing salt tolerances. <b>2012</b> , 34, 1767-1778	3
1049	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
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1045	Marschner's Mineral Nutrition of Higher Plants - Pages 483-643. <b>2012</b> , 483-643	
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1043	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
1042	Proline and the Cryopreservation of Plant Tissues: Functions and Practical Applications. <b>2012</b> ,	1

1041	Free proline, soluble sugars and soluble proteins concentration as affected by salt stress in two sugarcane ( <i>Saccharum</i> sp.) cultivars differing in their salt tolerance. <b>2012</b> , 5,	6
1040	Oxygen Metabolism in Chloroplast. <b>2012</b> ,	8
1039	Physiological and growth responses of six turfgrass species relative to salinity tolerance. <b>2012</b> , 2012, 905468	29
1038	Effects of drying methods on antioxidant properties in <i>Robinia pseudoacacia</i> L. flowers. <b>2012</b> , 6,	4
1037	Expression of biologically active human interferon alpha 2 in <i>Aloe vera</i> . <b>2012</b> , 21, 1349-57	11
1036	Drought, salt, and temperature stress-induced metabolic rearrangements and regulatory networks. <b>2012</b> , 63, 1593-608	1281
1035	Application of Non-invasive Microelectrode Flux Measurements in Plant Stress Physiology. <b>2012</b> , 91-126	8
1034	Plant Defence Against Heavy Metal Stress. <b>2012</b> , 241-269	5
1033	Water availability effects on antioxidant enzyme activities, lipid peroxidation, and reducing sugar contents of alfalfa ( <i>Medicago sativa</i> L.). <b>2012</b> , 34, 1177-1186	15
1032	Evaluation of Irradiation and Heat Treatment on Antioxidant Properties of Fruit Peel Extracts and Its Potential Application During Preservation of Goat Fish <i>Parupeneus indicus</i> . <b>2012</b> , 5, 1860-1870	11
1031	Alleviation of exogenous oligochitosan on wheat seedlings growth under salt stress. <b>2012</b> , 249, 393-9	49
1030	Antioxidant activity of various extracts from an edible mushroom <i>Pleurotus eous</i> . <b>2012</b> , 21, 661-668	31
1029	Preparation of free, soluble conjugate, and insoluble-bound phenolic compounds from peels of rambutan ( <i>Nephelium lappaceum</i> ) and evaluation of antioxidant activities in vitro. <b>2012</b> , 77, C198-204	40
1028	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
1027	Evaluation of free radical-scavenging activities of sweet potato protein and its hydrolysates as affected by single and combination of enzyme systems. <b>2012</b> , 47, 696-702	24
1026	ISOLATION, CHEMICAL CHARACTERIZATION AND ANTIOXIDANT ACTIVITIES OF A WATER-SOLUBLE POLYSACCHARIDE FRACTION OF TEA ( <i>CAMELLIA SINENSIS</i> ) FLOWER. <b>2012</b> , 36, 46-55	11
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1023	Degradation of <i>Laminaria japonica</i> fucoidan by hydrogen peroxide and antioxidant activities of the degradation products of different molecular weights. <b>2012</b> , 87, 153-159	122
1022	Structure and antioxidant activity of an extracellular polysaccharide from coral-associated fungus, <i>Aspergillus versicolor</i> LCJ-5-4. <b>2012</b> , 87, 218-226	69
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1020	Chemical properties and antioxidant activity of exopolysaccharides fractions from mycelial culture of <i>Inonotus obliquus</i> in a ground corn stover medium. <b>2012</b> , 134, 1899-905	49
1019	Chemical characterization and antioxidant activity of sulfated polysaccharide from the red seaweed <i>Gracilaria birdiae</i> . <b>2012</b> , 27, 287-292	260
1018	Optimization for Production of Intracellular Polysaccharide from <i>Cordyceps ophioglossoides</i> L2 in Submerged Culture and Its Antioxidant Activities in vitro. <b>2012</b> , 20, 294-301	7
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1013	DNA damage by reactive oxygen species in cryopreservation and the antioxidant properties of cryoprotectors. <b>2012</b> , 57, 263-269	6
1012	Response of barley seedlings to water deficit and enhanced UV-B irradiation acting alone and in combination. <b>2012</b> , 34, 161-171	43
1011	Influence of Exogenous Glycine Betaine and Abscisic Acid on Papaya in Responses to Water-deficit Stress. <b>2012</b> , 31, 1-10	41
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1009	Response of two mustard ( <i>Brassica juncea</i> L.) cultivars differing in photosynthetic capacity subjected to proline. <b>2012</b> , 249, 75-87	14
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1006	Water stress impact on young seedling growth of <i>Acacia arabica</i> . <b>2013</b> , 35, 2157-2169	11

1005	Effects of extraction methods on the antioxidant activities of polysaccharides obtained from <i>Flammulina velutipes</i> . <b>2013</b> , 98, 1524-31	110
1004	L-methionine influences in vitro root regeneration, total chlorophyll, total carbohydrate and endogenous proline content in the sweet cherry rootstock MxM 14 ( <i>Prunus avium</i> [Prunus mahaleb]). <b>2013</b> , 161, 88-94	2
1003	Expression dynamics and genome distribution of osmoprotectants in soybean: identifying important components to face abiotic stress. <b>2013</b> , 14 Suppl 1, S7	26
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999	Antioxidant capacities of mannans and glucans are related to their susceptibility of free radical degradation. <b>2013</b> , 61, 308-11	27
998	Optimization of polysaccharides from <i>Lycium ruthenicum</i> fruit using RSM and its anti-oxidant activity. <b>2013</b> , 61, 127-34	82
997	Relationship of Grain Yield, ABA and Proline Accumulation in Tolerant and Sensitive Wheat Cultivars as Affected by Water Stress. <b>2013</b> , 83, 311-315	17
996	Sterile inflammation in hepatic ischemia/reperfusion injury: present concepts and potential therapeutics. <b>2013</b> , 28, 394-400	102
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993	Fruit water relations and osmoregulation on apples ( <i>Malus domestica</i> Borkh.) with different sun exposures and sun-injury levels on the tree. <b>2013</b> , 161, 143-152	18
992	Protective effects of Keemun black tea polysaccharides on acute carbon tetrachloride-caused oxidative hepatotoxicity in mice. <b>2013</b> , 58, 184-92	60
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989	Antioxidant capacity, photosynthetic characteristics and water relations of sunflower ( <i>Helianthus annuus</i> L.) cultivars in response to drought stress. <b>2013</b> , 50, 29-38	58
988	Optimization of enzyme-assisted extraction of polysaccharides from alfalfa and its antioxidant activity. <b>2013</b> , 62, 387-96	66

987	The antioxidant activities and neuroprotective effect of polysaccharides from the starfish <i>Asterias rollestoni</i> . <b>2013</b> , 95, 9-15		23
986	Degradation of sulfated polysaccharides from <i>Enteromorpha prolifera</i> and their antioxidant activities. <b>2013</b> , 92, 1991-6		109
985	Optimization of fermentation conditions for crude polysaccharides by <i>Morchella esculenta</i> using soybean curd residue. <b>2013</b> , 50, 666-672		21
984	Oxidative stress parameters and anti-apoptotic response to hydroxyl radicals in fish erythrocytes: protective effects of glutamine, alanine, citrulline and proline. <b>2013</b> , 126, 169-79		61
983	Effects of exogenous L-arginine on in vitro rooting, chlorophyll, carbohydrate, and proline concentrations in the sweet cherry rootstock M 14 ( <i>Prunus avium</i> L. [Prunus mahaleb L.]). <b>2013</b> , 7, 457-465		3
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980	Insights into genomics of salt stress response in rice. <b>2013</b> , 6, 27		157
979	Ensuring Reproduction at High Temperatures: The Heat Stress Response during Anther and Pollen Development. <i>Plants</i> , <b>2013</b> , 2, 489-506	4-5	107
978	Antioxidant and anticomplement functions of flavonoids extracted from <i>Penthorum chinense</i> Pursh. <b>2013</b> , 4, 1811-8		24
977	Preparation, characterization and antioxidant activities of polymannuronic acid phosphate, H-phosphonate and sulfate. <b>2013</b> , 62, 281-6		13
976	The relationship between proline content, the expression level of P5CS (L-pyrroline-5-carboxylate synthetase), and drought tolerance in Tibetan hullless barley ( <i>Hordeum vulgare</i> var. <i>nudum</i> ). <b>2013</b> , 60, 693-700		9
975	Isolation and identification of antioxidative peptides from pilot-scale black-bone silky fowl ( <i>Gallus gallus domesticus</i> Brisson) muscle oligopeptides. <b>2013</b> , 93, 2782-8		9
974	Proline does not quench singlet oxygen: evidence to reconsider its protective role in plants. <b>2013</b> , 64, 80-3		54
973	Aldehyde dehydrogenases in cellular responses to oxidative/electrophilic stress. <b>2013</b> , 56, 89-101		354
972	Plant Response to Salt Stress and Role of Exogenous Protectants to Mitigate Salt-Induced Damages. <b>2013</b> , 25-87		172
971	Metabolic acclimation to excess light intensity in <i>Chlamydomonas reinhardtii</i> . <b>2013</b> , 36, 1391-405		40
970	Antioxidant and anti-aging activities of mycelial polysaccharides from <i>Lepista sordida</i> . <b>2013</b> , 60, 355-9		58

969	Anthocyanin extract of <i>Lannea microcarpa</i> fruits stall oxidative rout associated with aflatoxin B1 hepatocarcinogenesis. <b>2013</b> , 4, 58-67	15
968	Statistics-based optimization of the extraction process of kelp polysaccharide and its activities. <b>2013</b> , 91, 356-62	23
967	Dissecting the stress metabolic alterations in in vitro <i>Cyrtanthus</i> regenerants. <b>2013</b> , 65, 102-10	27
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965	Evaluation of total phenolic content and free radical scavenging activity of <i>Boerhavia erecta</i> . <b>2013</b> , 3, 103-109	16
964	Antioxidant activity and characterization of bioactive polypeptides from bovine hair. <b>2013</b> , 73, 573-578	7
963	Antioxidant properties of (R)-Se-aryl thiazolidine-4-carboselenoate. <b>2013</b> , 205, 100-7	21
962	In vitro antioxidant activities of polysaccharides extracted from Moso Bamboo-Leaf. <b>2013</b> , 55, 1-5	32
961	Solvent extraction of antioxidants from steam exploded sugarcane bagasse and enzymatic convertibility of the solid fraction. <b>2013</b> , 130, 8-15	27
960	Influence of marine oligosaccharides on the response of various biological systems to UV irradiation. <b>2013</b> , 5, 858-868	14
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957	Antioxidant and immunoregulatory activity of <i>Ganoderma lucidum</i> polysaccharide (GLP). <b>2013</b> , 95, 200-6	101
956	Stimulatory effect of different lignocellulosic materials for phenolic compound production and antioxidant activity from <i>Inonotus obliquus</i> in submerged fermentation. <b>2013</b> , 169, 2138-52	24
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954	Salt tolerance mechanisms in quinoa ( <i>Chenopodium quinoa</i> Willd.). <b>2013</b> , 92, 43-54	195
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949	Composition and antioxidant activities of four polysaccharides extracted from Herba Lophatheri. <b>2013</b> , 60, 437-41	25
948	Exogenous ABA induces salt tolerance in indica rice ( <i>Oryza sativa</i> L.): The role of OsP5CS1 and OsP5CR gene expression during salt stress. <b>2013</b> , 86, 94-105	115
947	Response surface optimized extraction of flavonoids from mimenghua and its antioxidant activities in vitro. <b>2013</b> , 22, 1-8	11
946	Proline, Betaine, and Choline Responses to Different Phosphorus Levels in Green Bean. <b>2013</b> , 44, 465-472	7
945	Preparation of A-type proanthocyanidin dimers from peanut skins and persimmon pulp and comparison of the antioxidant activity of A-type and B-type dimers. <b>2013</b> , 91, 128-139	43
944	Changes in antioxidant systems in sunflower partial resistant and susceptible lines as affected by <i>Sclerotinia sclerotiorum</i> . <b>2013</b> , 68, 821-829	16
943	Optimization of flavonoids extraction from <i>Bombyx batryticatus</i> using response surface methodology and evaluation of their antioxidant and anticancer activities in vitro. <b>2013</b> , 22, 1707-1715	5
942	Role of mannitol metabolism in the pathogenicity of the necrotrophic fungus <i>Alternaria brassicicola</i> . <i>Frontiers in Plant Science</i> , <b>2013</b> , 4, 131	6.2 22
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939	<i>Bridelia ferruginea</i> promotes reactive oxygen species detoxification in N-nitrosodiethylamine-treated rats. <b>2013</b> , 10, 210-28	4
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933	Peel effects on phenolic composition, antioxidant activity, and making of pomegranate juice and wine. <b>2013</b> , 78, C1166-72	23
932	Salicylic acid alleviates adverse effects of heat stress on photosynthesis through changes in proline production and ethylene formation. <b>2013</b> , 8, e26374	222
931	In Vitro Antioxidant and Antitumor Activities of Polysaccharides Extracted from the Mycelia of Liquid-Cultured <i>Flammulina velutipes</i> . <b>2013</b> , 19, 661-667	9
930	Characterization of Sicilian Olive Genotypes by Multivariate Analysis of Leaf and Fruit Chemical and Morphological Properties. <b>2013</b> , 5,	4
929	Alleviation of Cadmium Toxicity in <i>Pisum sativum</i> L. Seedlings by Calcium Chloride. <b>2013</b> , 41, 157	33
928	Optimisation of Anthocyanin Extraction from Purple Pitaya and Verification of Antioxidant Properties, Antiproliferative Activity and Macrophage Proliferation Activity. <b>2013</b> , 5,	2
927	Proline accumulation in leaves of <i>Periploca sepium</i> via both biosynthesis up-regulation and transport during recovery from severe drought. <b>2013</b> , 8, e69942	37
926	Evaluation of Antioxidant Status of Two <i>Limoniastrum</i> Species Growing Wild in Tunisian Salty Lands. <b>2013</b> , 2, 122-31	5
925	Silicon improves growth and antioxidative defense system in salt-stressed Kentucky bluegrass ( <i>Poa pratensis</i> L.), Perfection and Midnight. <b>2013</b> , 12, 38-48	1
924	Alleviation of Salt Stress in Seedlings of Black Glutinous Rice by Seed Priming with Spermidine and Gibberellic Acid. <b>2014</b> , 42, 405-413	27
923	Stable expression of mtLD gene imparts multiple stress tolerance in finger millet. <b>2014</b> , 9, e99110	62
922	Evaluation of the antiradical properties of phenolic acids. <b>2014</b> , 15, 16351-80	41
921	Antioxidant activities in extracts of selected indigenous vegetables from Kenya and Malawi. <b>2014</b> , 13, 1824-1834	2
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919	DNA damage protecting activity and in vitro antioxidant potential of the methanol extract of Cherry ( <i>Prunus avium</i> L). <b>2014</b> , 8, 715-726	9
918	Diurnal Regulation of Leaf Water Status in High- and Low-Mannitol Olive Cultivars. <i>Plants</i> , <b>2014</b> , 3, 196-208	7
917	Antioxidative Activity of Exopolysaccharide Extract from Fermented Wheat Distillers' dried Grains Using UV-Irradiation Degradation Pretreatment by <i>Preussia aemulans</i> . <b>2014</b> , 6, 1067-1075	3
916	Phytochemical, antioxidant, antiviral and cytotoxic evaluation of <i>Opuntia dillenii</i> flowers. <b>2014</b> , 9,	5

915	Bioactive polysaccharides from marine algae. <b>2014</b> , 4, 125-138	19
914	Physiological and biochemical responses of <i>Ricinus communis</i> seedlings to different temperatures: a metabolomics approach. <b>2014</b> , 14, 223	46
913	L-arginine impact on cherry rootstock rooting and biochemical characteristics in tissue culture. <b>2014</b> , 38, 887-897	4
912	Influence of brassinosteroids on plant cell alternative respiration pathway and antioxidant systems activity under abiotic stress conditions. <b>2014</b> , 30, 436-442	4
911	Expression profiles of Pr5CS1 and Pr5CS2 genes and proline accumulation under salinity stress in perennial ryegrass ( <i>Lolium perenne</i> L.). <b>2014</b> , 133, 243-249	5
910	Effect of whey protein hydrolysates with different molecular weight on fatigue induced by swimming exercise in mice. <b>2014</b> , 94, 126-30	21
909	Antioxidant Activity Relationships of Pachymaran Derivatives. <b>2014</b> , 38, 307-315	2
908	In vitro and in vivo antioxidant and antimutagenic activities of polyphenols extracted from hops ( <i>Humulus lupulus</i> L.). <b>2014</b> , 94, 1693-700	25
907	In vitro antioxidant potential and inhibitory effect of seaweed on enzymes relevant for hyperglycemia. <b>2014</b> , 23, 2037-2044	13
906	The Role of Carbohydrates in Plant Resistance to Abiotic Stresses. <b>2014</b> , 229-270	7
905	Optimization of Conditions for Enzymatic Production of Collagen Hydrolysates from a Low-Value <i>Acaudina molpadioides</i> and Their Activities. <b>2014</b> , 38, 227-235	3
904	Proline Protects Plants Against Abiotic Oxidative Stress: Biochemical and Molecular Mechanisms. <b>2014</b> , 477-522	57
903	In vitro anticoagulant and antioxidant activities of <i>Jatropha gossypifolia</i> L. (Euphorbiaceae) leaves aiming therapeutical applications. <b>2014</b> , 14, 405	25
902	Antioxidant and Anti-Inflammatory Properties of an Extract Rich in Polysaccharides of the Mushroom <i>Polyporus dermatopus</i> . <b>2014</b> , 3, 730-44	33
901	The combined effect of salinity and heat reveals a specific physiological, biochemical and molecular response in tomato plants. <b>2014</b> , 37, 1059-73	215
900	Isolation and partial characterization of a neutral polysaccharide from <i>Mosla chinensis</i> Maxim. cv. Jiangxiangru and its antioxidant and immunomodulatory activities. <b>2014</b> , 6, 410-418	65
899	Is proline accumulation per se correlated with stress tolerance or is proline homeostasis a more critical issue?. <b>2014</b> , 37, 300-11	378
898	Effect of different cooking methods on total phenolic contents and antioxidant activities of four <i>Boletus</i> mushrooms. <b>2014</b> , 51, 3362-8	25

897	Field controlled experiments on the physiological responses of maize ( <i>Zea mays</i> L.) leaves to low-level air and soil mercury exposures. <b>2014</b> , 21, 1541-7	18
896	Directed evolution of the CpcA biosynthetic pathway and optimization of conditions for CpcA production and its properties. <b>2014</b> , 98, 4995-5007	1
895	The Role of Sulfur in Increasing Guinea Grass Tolerance of Copper Phytotoxicity. <b>2014</b> , 225, 1	21
894	Overexpression of IbP5CR enhances salt tolerance in transgenic sweetpotato. <b>2014</b> , 117, 1-16	70
893	Fucose-containing sulfated polysaccharides from brown macroalgae <i>Lobophora variegata</i> with antioxidant, anti-inflammatory, and antitumoral effects. <b>2014</b> , 26, 1783-1790	21
892	Further evidence that a terminal drought tolerance QTL of pearl millet is associated with reduced salt uptake. <b>2014</b> , 102, 48-57	27
891	Optimization of enzyme-based ultrasonic/microwave-assisted extraction and evaluation of antioxidant activity of orcinol glucoside from the rhizomes of <i>Curculigo orchioides</i> Gaertn.. <b>2014</b> , 23, 2360-2367	12
890	The over-expression of <i>Chrysanthemum crassum</i> CcSOS1 improves the salinity tolerance of chrysanthemum. <b>2014</b> , 41, 4155-62	29
889	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
888	How reactive oxygen species and proline face stress together. <b>2014</b> , 80, 278-84	316
887	Characterization and antioxidant activities of degraded polysaccharides from two marine Chrysophyta. <b>2014</b> , 160, 1-7	107
886	Early osmotic adjustment responses in drought-resistant and drought-sensitive oilseed rape. <b>2014</b> , 56, 797-809	29
885	Antioxidant Chinese yam polysaccharides and its pro-proliferative effect on endometrial epithelial cells. <b>2014</b> , 66, 81-5	47
884	In vitro and in vivo antioxidant activity of a fructan from the roots of <i>Arctium lappa</i> L. <b>2014</b> , 65, 446-53	59
883	Production of mannitol from raw glycerol by <i>Candida azyma</i> . <b>2014</b> , 117, 725-9	16
882	Physiological aspects of raffinose family oligosaccharides in plants: protection against abiotic stress. <b>2014</b> , 16, 1-8	172
881	Cadmium-induced oxidative stress tolerance in cadmium resistant <i>Aspergillus foetidus</i> : its possible role in cadmium bioremediation. <b>2014</b> , 106, 46-53	36
880	Sulfation of agarose from subantarctic <i>Ahnfeltia plicata</i> (Ahnfeltiales, Rhodophyta): studies of its antioxidant and anticoagulant properties in vitro and its copolymerization with acrylamide. <b>2014</b> , 26, 2011-2019	13



879	Ultrasonic-assisted extraction and antioxidant activities of polysaccharides from <i>Camellia oleifera</i> leaves. <b>2014</b> , 68, 7-12	41
878	Free-radical-scavenging activity and antioxidant effect of ascophyllan from marine brown algae <i>Padina tetrastratica</i> . <b>2014</b> , 4, 75-79	12
877	Three Zinc(II) Coordination Polymers Based on Tetrakis(4-pyridyl)cyclobutane and Naphthalenedicarboxylate Linkers: Solvothermal Syntheses, Structures, and Photocatalytic Properties. <b>2014</b> , 14, 240-248	124
876	Reactive oxygen species scavenging capacities of cotton ( <i>Gossypium hirsutum</i> ) cultivars under combined drought and heat induced oxidative stress. <b>2014</b> , 99, 141-149	102
875	ROS homeostasis in halophytes in the context of salinity stress tolerance. <b>2014</b> , 65, 1241-57	515
874	Physiological Mechanisms and Adaptation Strategies in Plants Under Changing Environment. <b>2014</b> ,	6
873	Physiological Mechanisms and Adaptation Strategies in Plants Under Changing Environment. <b>2014</b> ,	4
872	Overexpression of <i>codA</i> gene confers enhanced tolerance to abiotic stresses in alfalfa. <b>2014</b> , 85, 31-40	42
871	Oxidative stress of H <sub>2</sub> O <sub>2</sub> on N,N-dimethylglycine: formation of perhydrate crystals and more. <b>2014</b> , 16, 10165-10168	12
870	Optimized ultrasonic-assisted extraction of polysaccharides from <i>Cyclina sinensis</i> and evaluation of antioxidant activities in vitro. <b>2014</b> , 12, 32-39	20
869	Organochalcogen compounds from glycerol: synthesis of new antioxidants. <b>2014</b> , 22, 6242-9	26
868	Research Advances in Mechanisms of Turfgrass Tolerance to Abiotic Stresses: From Physiology to Molecular Biology. <b>2014</b> , 33, 141-189	113
867	In vitro antioxidant and antimicrobial activities of flavonoids from <i>Panax notoginseng</i> flowers. <b>2014</b> , 28, 1260-6	18
866	Effect of carboxymethylation on antioxidant properties and radical degradation of mannans and glucans. <b>2014</b> , 112, 603-7	23
865	The isolation and antioxidant activity of polysaccharides from the marine microalgae <i>Isochrysis galbana</i> . <b>2014</b> , 113, 22-31	94
864	Antioxidant and antibacterial activity of <i>Chaetomorpha antennina</i> against shrimp pathogen <i>Vibrio parahaemolyticus</i> . <b>2014</b> , 433, 467-475	43
863	Validation and application of an improved method for the rapid determination of proline in grape berries. <b>2014</b> , 62, 3384-9	16
862	Cytotoxic, antimicrobial, antioxidant, antilipoxygenase activities and phenolic composition of <i>Ozoroa</i> and <i>Searsia</i> species (Anacardiaceae) used in South African traditional medicine for treating diarrhoea. <b>2014</b> , 95, 9-18	13

861	Ultrahigh pressure extraction of polysaccharides from <i>Cordyceps militaris</i> and evaluation of antioxidant activity. <b>2014</b> , 134, 90-99	48
860	Brassicas: Responses and Tolerance to Heavy Metal Stress. <b>2014</b> , 1-36	1
859	Plant Growth-Promoting Bacteria Elicited Induced Systemic Resistance and Tolerance in Plants. <b>2014</b> , 109-132	3
858	Cytotoxic, antimutagenic, and antioxidant activities of methanolic extract and chalcone dimers (lophirones B and C) derived from <i>Lophira alata</i> (Van Tiegh. Ex Keay) stem bark. <b>2014</b> , 19, 20-30	22
857	<i>Blighia sapida</i> leaves halt elevated blood glucose, dyslipidemia and oxidative stress in alloxan-induced diabetic rats. <b>2014</b> , 157, 309-19	22
856	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
855	Changes in metabolite profiles in Norway spruce shoot tips during short-day induced winter bud development and long-day induced bud flush. <b>2014</b> , 10, 842-858	17
854	NAC transcription factor expression, amino acid concentration and growth of elite rice cultivars upon salt stress. <b>2014</b> , 36, 1927-1936	11
853	Isolation and purification of condensed tannins from flamboyant tree and their antioxidant and antityrosinase activities. <b>2014</b> , 173, 179-92	8
852	Molecular mechanisms for the reaction between $\text{HO}^{\bullet}$ radicals and proline: insights on the role as reactive oxygen species scavenger in plant stress. <b>2014</b> , 118, 37-47	99
851	Antialcoholic liver activity of whey fermented by <i>Lactobacillus casei</i> isolated from koumiss. <b>2014</b> , 97, 4062-71	9
850	Characterization and antioxidant activities of degraded polysaccharides from <i>Poria cocos</i> sclerotium. <b>2014</b> , 105, 121-6	55
849	Phenolic extract of <i>Dialium guineense</i> pulp enhances reactive oxygen species detoxification in aflatoxin B <sub>1</sub> hepatocarcinogenesis. <b>2014</b> , 17, 875-85	22
848	Polysaccharides from <i>Panax japonicus</i> C.A. Meyer and their antioxidant activities. <b>2014</b> , 101, 386-91	61
847	Optimization of polysaccharides extraction from <i>Trametes robiniophila</i> and its antioxidant activities. <b>2014</b> , 111, 324-32	55
846	A study of neuroprotective and antioxidant activities of heteropolysaccharides from six <i>Sargassum</i> species. <b>2014</b> , 67, 336-42	27
845	Partial characterization, antioxidant and antitumor activities of polysaccharides from <i>Philomycusbilineatus</i> . <b>2014</b> , 65, 573-80	18
844	Global reprogramming of transcription and metabolism in <i>Medicago truncatula</i> during progressive drought and after rewatering. <b>2014</b> , 37, 2553-76	113

843	The roles of reactive oxygen metabolism in drought: not so cut and dried. <b>2014</b> , 164, 1636-48	363
842	Glucitol dehydrogenase from peach ( <i>Prunus persica</i> ) fruits is regulated by thioredoxin h. <b>2014</b> , 55, 1157-68	7
841	Antioxidant activity of carboxymethyl (1- $\beta$ )-D-glucan (from the sclerotium of <i>Poria cocos</i> ) sulfate (in vitro). <b>2014</b> , 69, 229-35	24
840	Alginate oligosaccharides: enzymatic preparation and antioxidant property evaluation. <b>2014</b> , 164, 185-94	138
839	The interaction of the Arabidopsis response regulator ARR18 with bZIP63 mediates the regulation of PROLINE DEHYDROGENASE expression. <b>2014</b> , 7, 1560-77	36
838	Analysis of the antimicrobial effects of nonthermal plasma on fungal spores in ionic solutions. <b>2014</b> , 72, 191-9	21
837	Screening and comparison of antioxidant activities of polysaccharides from <i>Coriolus versicolor</i> . <b>2014</b> , 69, 12-9	21
836	Assessment of the antioxidant and antiproliferative effects of sesquiterpenic compounds in in vitro Caco-2 cell models. <b>2014</b> , 156, 204-11	36
835	Composition and antioxidant activity of water-soluble oligosaccharides from <i>Herichium erinaceus</i> . <b>2015</b> , 11, 3794-9	20
834	Antioxidative responses during germination in quinoa grown in vitamin B-rich medium. <b>2015</b> , 3, 242-51	9
833	Optimization and prediction of antioxidant properties of a tea-ginger extract. <b>2015</b> , 3, 443-52	10
832	Molecular Breeding for Salt Stress Tolerance in Plants. <b>2015</b> , 306-333	10
831	Tomato expressing Arabidopsis glutaredoxin gene AtGRXS17 confers tolerance to chilling stress via modulating cold responsive components. <b>2015</b> , 2, 15051	44
830	Optimization of Alkali Extraction of Polysaccharides From Foxtail Millet and Its Antioxidant Activities In Vitro. <b>2015</b> , 39, 708-717	10
829	Preparation and in vitro antioxidant activities of 6-amino-6-deoxychitosan and its sulfonated derivatives. <b>2015</b> , 103, 539-49	20
828	Cell type-specific responses to salinity - the epidermal bladder cell transcriptome of <i>Mesembryanthemum crystallinum</i> . <b>2015</b> , 207, 627-44	69
827	Antioxidant response of <i>Chlamydomonas reinhardtii</i> grown under different element regimes. <b>2015</b> , 63, 202-211	10
826	. <b>2015</b> ,	9

825	Ultrasonic-Assisted Extraction and Antioxidant Activities of the Polysaccharides Extracted from Soybean Curd Residue Fermented by <i>Flammulina velutipes</i> . <b>2015</b> , 8, 61		7
824	Progeny of Selfed Plants from Tomato Breeding Line NIC1 Grape Overexpressing Mannitol Dehydrogenase (MTD) Have Increased Resistance to the Early Blight Fungus, <i>Alternaria solani</i> . <b>2015</b> , 16, 115-117		3
823	Proline Accumulation Is Not Correlated with Saline-Alkaline Stress Tolerance in Rice Seedlings. <b>2015</b> , 107, 51-60		12
822	Mannitol metabolism during pathogenic fungal-host interactions under stressed conditions. <i>Frontiers in Microbiology</i> , <b>2015</b> , 6, 1019	5-7	73
821	Metabolite responses to exogenous application of nitrogen, cytokinin, and ethylene inhibitors in relation to heat-induced senescence in creeping bentgrass. <b>2015</b> , 10, e0123744		28
820	Potassium Retention under Salt Stress Is Associated with Natural Variation in Salinity Tolerance among <i>Arabidopsis</i> Accessions. <b>2015</b> , 10, e0124032		43
819	Comparison of the free amino acid composition of the Aokubi daikon and Azaki daikon in the dried shredded daikon manufacturing process. <b>2015</b> , 26, 139-142		
818	Contrasting Changes Caused by Drought and Submergence Stresses in Bermudagrass ( <i>Cynodon dactylon</i> ). <i>Frontiers in Plant Science</i> , <b>2015</b> , 6, 951	6.2	27
817	Variation in Phenolics, Flavanoids, Antioxidant and Tyrosinase Inhibitory Activity of Peach Blossoms at Different Developmental Stages. <b>2015</b> , 20, 20460-72		10
816	Antibacterial activities, antioxidant contents and antioxidant properties of three traditional Chinese medicinal extracts. <b>2015</b> , 10,		5
815	Low-Temperature Triggered Varied Antioxidant Responses in Tomato. <b>2015</b> , 21, 329-343		3
814	Metabolite profiling during cold acclimation of <i>Lolium perenne</i> genotypes distinct in the level of frost tolerance. <b>2015</b> , 56, 439-449		26
813	Preparation and characterization of a novel extracellular polysaccharide with antioxidant activity, from the mangrove-associated fungus <i>Fusarium oxysporum</i> . <b>2015</b> , 17, 219-28		32
812	Effect of proline supplementation on anti-oxidative capacity, immune response and stress tolerance of juvenile Pacific white shrimp, <i>Litopenaeus vannamei</i> . <b>2015</b> , 448, 105-111		35
811	The oxidative stress of <i>Phanerochaete chrysosporium</i> against lead toxicity. <b>2015</b> , 175, 1981-91		24
810	Optimization of bamboo autohydrolysis for the production of xylo-oligosaccharides using response surface methodology. <b>2015</b> , 5, 106219-106226		19
809	Arginine metabolism of <i>Arabidopsis thaliana</i> is modulated by <i>Heterodera schachtii</i> infection. <b>2015</b> , 17, 1027-1043		3
808	The effect of salinity stress on survival percentage and physiological characteristics in three varieties of pistachio ( <i>Pistacia vera</i> ). <b>2015</b> , 70, 1185-1192		4

807	AtDsPTP1 acts as a negative regulator in osmotic stress signalling during Arabidopsis seed germination and seedling establishment. <b>2015</b> , 66, 1339-53	21
806	Structural characterization and antioxidant activities of Earrageenan oligosaccharides degraded by different methods. <b>2015</b> , 178, 311-8	89
805	Purification, characterization, antioxidant activity and anti-aging of exopolysaccharides by <i>Flammulina velutipes</i> SF-06. <b>2015</b> , 107, 73-82	12
804	Integrated metabolomics for abiotic stress responses in plants. <b>2015</b> , 24, 10-6	198
803	Diversity, distribution and roles of osmoprotective compounds accumulated in halophytes under abiotic stress. <b>2015</b> , 115, 433-47	471
802	Effects of bicarbonate and different Fe sources on vegetative growth and physiological characteristics of bell pepper ( <i>Capsicum annuum</i> L.) plants in hydroponic system. <b>2015</b> , 38, 397-416	5
801	A new ellagic acid derivative from <i>Polygonum runcinatum</i> . <b>2015</b> , 29, 795-9	5
800	Standardized extract of <i>Vitex doniana</i> Sweet stalls protein oxidation, lipid peroxidation and DNA fragmentation in acetaminophen-induced hepatotoxicity. <b>2015</b> , 164, 273-82	28
799	IbSIMT1, a novel salt-induced methyltransferase gene from <i>Ipomoea batatas</i> , is involved in salt tolerance. <b>2015</b> , 120, 701-715	42
798	Responses of gas exchange, chlorophyll synthesis and ROS-scavenging systems to salinity stress in two ramie ( <i>Boehmeria nivea</i> L.) cultivars. <b>2015</b> , 53, 455-463	30
797	In vitro and in vivo bioactivities of aqueous and ethanol extracts from <i>Helicteres angustifolia</i> L. root. <b>2015</b> , 172, 61-9	13
796	Engineering crop plants against abiotic stress: Current achievements and prospects. <b>2015</b> , 27, 24	25
795	Antioxidant activity and chemical compositions of essential oil and ethanol extract of <i>Chuanminshen violaceum</i> . <b>2015</b> , 76, 290-297	28
794	Tolerance of Ornamental Succulent Plant Crown of Thorns ( <i>Euphorbia milli</i> ) to Chromium and its Remediation. <b>2015</b> , 17, 363-8	22
793	Sugars as hydroxyl radical scavengers: proof-of-concept by studying the fate of sucralose in <i>Arabidopsis</i> . <b>2015</b> , 82, 822-39	76
792	Variations in oxygen concentration cause differential antioxidant response and expression of related genes in <i>Beauveria bassiana</i> . <b>2015</b> , 119, 257-63	2
791	Interactions between Nitrogen and Phosphorus metabolism. <b>2015</b> , 187-214	4
790	Exogenous proline application ameliorates toxic effects of arsenate in <i>Solanum melongena</i> L. seedlings. <b>2015</b> , 117, 164-73	70

789	Utilization of genes encoding osmoprotectants in transgenic plants for enhanced abiotic stress tolerance. <b>2015</b> , 18, 257-266	58
788	Optimization for ultrasound extraction of polysaccharides from mulberry fruits with antioxidant and hyperglycemic activity in vitro. <b>2015</b> , 130, 122-32	178
787	Content of methylated inositols in familiar edible plants. <b>2015</b> , 63, 2683-8	16
786	Tolerance to Combined Stress of Drought and Salinity in Barley. <b>2015</b> , 93-121	3
785	Comparative antioxidant and antimycobacterial activities of <i>Opuntia ficus-indica</i> fruit extracts from summer and rainy seasons. <b>2015</b> , 8, 182-191	7
784	The imbalance of redox homeostasis in arthropod-induced plant galls: Mechanisms of stress generation and dissipation. <b>2015</b> , 1850, 1509-17	44
783	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
782	Modeling and Optimization of Ultrasound-Assisted Extraction of Polysaccharide from the Roots of <i>Althaea officinalis</i> . <b>2015</b> , 39, 2107-2118	9
781	<i>Penicillium</i> – <i>Sesame</i> interactions: A remedy for mitigating high salinity stress effects on primary and defense metabolites in plants. <b>2015</b> , 116, 47-60	9
780	Impact of enzyme- and ultrasound-assisted extraction methods on biological properties of red, brown, and green seaweeds from the central west coast of Portugal. <b>2015</b> , 63, 3177-88	103
779	Antioxidant and anticoagulant activity of sulfated polysaccharide from <i>Gracilaria debilis</i> (Forsskal). <b>2015</b> , 81, 1031-8	44
778	SpBADH of the halophyte <i>Sesuvium portulacastrum</i> strongly confers drought tolerance through ROS scavenging in transgenic <i>Arabidopsis</i> . <b>2015</b> , 96, 377-87	25
777	Urban climate and its effect on biochemical and morphological characteristics of Arjun ( <i>Terminalia arjuna</i> ) plant in National Capital Region Delhi. <b>2015</b> , 31, 524-538	8
776	Proline: a key player in plant abiotic stress tolerance. <b>2015</b> , 59, 609-619	286
775	Alleviation of salt-induced oxidative stress in rice seedlings by proline and/or glycinebetaine. <b>2015</b> , 59, 547-553	35
774	Role of amino acids as additives on sperm motility, plasma membrane integrity and lipid peroxidation levels at pre-freeze and post-thawed ram semen. <b>2015</b> , 161, 82-8	37
773	Mechanisms of induced susceptibility to <i>Diplodia</i> tip blight in drought-stressed Austrian pine. <b>2015</b> , 35, 549-62	26
772	The metabolomics of oxidative stress. <i>Phytochemistry</i> , <b>2015</b> , 112, 33-53	4 142

771	Improving salt stress responses of the symbiosis in alfalfa using salt-tolerant cultivar and rhizobial strain. <b>2015</b> , 87, 108-117	44
770	Combined Stresses in Plants. <b>2015</b> ,	12
769	Proximate Composition, Acute Toxicity and Antioxidative Property of <i>Lactarius tenuicystidiatus</i> , a New Species. <b>2015</b> , 35, 161-171	1
768	Enzymatic and acidic degradation effect on intracellular polysaccharide of <i>Flammulina velutipes</i> SF-08. <b>2015</b> , 73, 236-44	42
767	<i>Azospirillum brasilense</i> ameliorates the response of <i>Arabidopsis thaliana</i> to drought mainly via enhancement of ABA levels. <b>2015</b> , 153, 79-90	203
766	Improved callus induction, shoot regeneration, and salt stress tolerance in <i>Arabidopsis</i> overexpressing superoxide dismutase from <i>Potentilla atrosanguinea</i> . <b>2015</b> , 252, 41-51	21
765	Potential anti-angiogenic, antiproliferative, antioxidant, and anticoagulant activity of anionic polysaccharides, fucans, extracted from brown algae <i>Lobophora variegata</i> . <b>2015</b> , 27, 1315-1325	27
764	Evolution of proline biosynthesis: enzymology, bioinformatics, genetics, and transcriptional regulation. <b>2015</b> , 90, 1065-99	101
763	Dissecting tissue- and species-specific responses of two <i>Plantago</i> species to waterlogging stress at physiological level. <b>2015</b> , 109, 177-185	13
762	Extraction optimization and biological properties of a polysaccharide isolated from <i>Gleostereum incarnatum</i> . <b>2015</b> , 117, 185-191	33
761	Ectopic expression of <i>Arabidopsis</i> RCI2A gene contributes to cold tolerance in tomato. <b>2015</b> , 24, 237-51	14
760	The Tolerance and Accumulation of <i>Miscanthus Sacchariflorus</i> (maxim.) Benth., an Energy Plant Species, to Cadmium. <b>2015</b> , 17, 538-45	19
759	Evaluation of the Antioxidant Activity of Extracts and Active Principles of Commonly Consumed Indian Spices. <b>2016</b> , 35, 299-315	8
758	Hexaconazole foliar application alleviates water deficit effects in common bean. <b>2016</b> , 46, 301-310	5
757	The Bioactivity of Fucoxanthin from <i>Undaria pinnatifida</i> in Vitro. <b>2016</b> , 12, 139-148	1
756	Characterisation and Antioxidant Activity of Crude Extract and Polyphenolic Rich Fractions from <i>C. incanus</i> Leaves. <b>2016</b> , 17,	25
755	Genetic analysis of proline concentration under osmotic stress in sunflower ( <i>L.</i> ). <b>2016</b> , 66, 463-470	14
754	Proteomic and Physiological Analysis of the Response of Oat ( <i>Avena sativa</i> ) Seeds to Heat Stress under Different Moisture Conditions. <i>Frontiers in Plant Science</i> , <b>2016</b> , 7, 896	6.2 20

753	Analysis of Drought-Induced Proteomic and Metabolomic Changes in Barley ( <i>Hordeum vulgare</i> L.) Leaves and Roots Unravels Some Aspects of Biochemical Mechanisms Involved in Drought Tolerance. <i>Frontiers in Plant Science</i> , <b>2016</b> , 7, 1108	6.2	73
752	The Fermentation Analogy: A Point of View for Understanding the Intriguing Role of Proline Accumulation in Stressed Plants. <i>Frontiers in Plant Science</i> , <b>2016</b> , 7, 1339	6.2	41
751	A Halotolerant Bacterium HSW-16 Augments Induced Systemic Tolerance to Salt Stress in Wheat Plant (). <i>Frontiers in Plant Science</i> , <b>2016</b> , 7, 1890	6.2	79
750	Cold Plasma Interactions With Food Constituents in Liquid and Solid Food Matrices. <b>2016</b> , 179-203		11
749	Protective effects of <i>Zygophyllum album</i> extract against deltamethrin-induced hyperglycemia and hepato-pancreatic disorders in rats. <b>2016</b> , 94, 1202-1210		8
748	Optimization for ultrasound-assisted extraction of polysaccharides with chemical composition and antioxidant activity from the <i>Artemisia sphaerocephala</i> Krasch seeds. <b>2016</b> , 91, 856-66		35
747	Peptides from sesame cake extend healthspan of <i>Caenorhabditis elegans</i> via upregulation of <i>skn-1</i> and inhibition of intracellular ROS levels. <b>2016</b> , 82, 139-49		24
746	Morphological and Biochemical Responses of <i>Spirogyra setiformis</i> Exposed to Cadmium. <b>2016</b> , 44, 256-262		17
745	Isolation and characterization of antioxidant polysaccharides (PKCP-D70-2-a and PKCP-D70-2-b) from the <i>Pinus koraiensis</i> pinecone. <b>2016</b> , 6, 110706-110721		10
744	Therapeutic properties in Tunisian hot springs: first evidence of phenolic compounds in the cyanobacterium <i>Leptolyngbya</i> sp. biomass, capsular polysaccharides and releasing polysaccharides. <b>2016</b> , 16, 515		16
743	Responses of photosynthesis, stress markers and antioxidants under aluminium, salt and combined stresses in wheat cultivars. <b>2016</b> , 2,		4
742	Metabolic pathways regulated by $\gamma$ -aminobutyric acid (GABA) contributing to heat tolerance in creeping bentgrass ( <i>Agrostis stolonifera</i> ). <b>2016</b> , 6, 30338		92
741	AtMYB12 regulates flavonoids accumulation and abiotic stress tolerance in transgenic <i>Arabidopsis thaliana</i> . <b>2016</b> , 291, 1545-59		79
740	Antioxidant and anti-hyperlipidemic activity of hydroethanolic seed extract of <i>Aframomum melegueta</i> K. Schum in Triton X-100 induced hyperlipidemic rats. <b>2016</b> , 105, 324-332		17
739	Effect of progressive drought stress on growth, leaf gas exchange, and antioxidant production in two maize cultivars. <b>2016</b> , 23, 17132-41		64
738	Characterization of an alkaline $\beta$ -glucanase from <i>Stenotrophomonas</i> sp. NTa and the enzymatic hydrolysates. <b>2016</b> , 86, 525-34		15
737	Physiological and cellular responses to fluoride stress in tea ( <i>Camellia sinensis</i> ) leaves. <b>2016</b> , 38, 1		50
736	Antioxidant and anti-aging activities of polysaccharides from <i>Calocybe indica</i> var. APK2. <b>2016</b> , 68, 329-34		44



735	Antioxidative Properties of Squid Protein Hydrolysates Prepared Using Seer Fish Visceral Enzymes in Comparison with Commercial Enzymes. <b>2016</b> , 25, 986-1000	2
734	Integrating transcriptomics and metabolomics to characterise the response of <i>Astragalus membranaceus</i> Bge. var. <i>mongolicus</i> (Bge.) to progressive drought stress. <b>2016</b> , 17, 188	45
733	Comparative study on the antioxidant activity of methanolic and aqueous extracts from the fruiting bodies of an edible mushroom. <b>2016</b> , 25, 371-377	9
732	Exogenous Diethyl Aminoethyl Hexanoate, a Plant Growth Regulator, Highly Improved the Salinity Tolerance of Important Medicinal Plant <i>Cassia obtusifolia</i> L.. <b>2016</b> , 35, 330-344	14
731	Moderate salinity reduced phenanthrene-induced stress in the halophyte plant model <i>Thellungiella salsuginea</i> compared to its glycophyte relative <i>Arabidopsis thaliana</i> : Cross talk and metabolite profiling. <b>2016</b> , 155, 453-462	7
730	Tolerance to high soil temperature in foxtail millet ( <i>Setaria italica</i> L.) is related to shoot and root growth and metabolism. <b>2016</b> , 106, 73-81	35
729	Metabolic responses of <i>Beauveria bassiana</i> to hydrogen peroxide-induced oxidative stress using an LC-MS-based metabolomics approach. <b>2016</b> , 137, 1-9	9
728	<i>Parkia javanica</i> Extract Induces Apoptosis in S-180 Cells via the Intrinsic Pathway of Apoptosis. <b>2016</b> , 68, 689-707	4
727	Identification and comparison of the volatile constituents of fresh and dried leaves of <i>Spondias mombin</i> found in North-central Nigeria: in vitro evaluation of their cytotoxic and antioxidant activities. <b>2016</b> , 54, 2674-2678	8
726	Optimization of infrared-assisted extraction of <i>Bletilla striata</i> polysaccharides based on response surface methodology and their antioxidant activities. <b>2016</b> , 148, 345-53	104
725	Synthesis, characterization and antioxidant activity of selenium polysaccharide from <i>Cordyceps militaris</i> . <b>2016</b> , 93, 1090-1099	60
724	<i>Cellulosimicrobium funkei</i> -like enhances the growth of <i>Phaseolus vulgaris</i> by modulating oxidative damage under Chromium(VI) toxicity. <b>2016</b> , 7, 839-50	74
723	Purification, characterization and in vitro antioxidant activities of polysaccharide from <i>Chaenomeles speciosa</i> . <b>2016</b> , 92, 702-707	13
722	Response of Crop Plants to Nitrogen Stress: Opportunities to Increase Nitrogen Use Efficiency. <b>2016</b> , 369-390	
721	Soil Salinity and Sodicity as Particular Plant/Crop Stress Factors. <b>2016</b> , 33-52	13
720	Transgenic Plants for Higher Antioxidant Content and Drought Stress Tolerance. <b>2016</b> , 473-511	1
719	Engineering Glycinebetaine Metabolism for Enhanced Drought Stress Tolerance in Plants. <b>2016</b> , 513-530	1
718	Response of osmotic adjustment and ascorbate-glutathione cycle to heat stress in a heat-sensitive and a heat-tolerant genotype of wucai ( <i>Brassica campestris</i> L.). <b>2016</b> , 211, 87-94	30

717	GC-TOF-MS based metabolomics and ICP-MS based metallomics of cucumber ( <i>Cucumis sativus</i> ) fruits reveal alteration of metabolites profile and biological pathway disruption induced by nano copper. <b>2016</b> , 3, 1114-1123	47
716	Biochemical responses of filamentous algae in different aquatic ecosystems in South East Turkey and associated water quality parameters. <b>2016</b> , 133, 403-12	15
715	Lytic Polysaccharide Monooxygenases: The Microbial Power Tool for Lignocellulose Degradation. <b>2016</b> , 21, 926-936	117
714	Isolation of baker's yeast mutants with proline accumulation that showed enhanced tolerance to baking-associated stresses. <b>2016</b> , 238, 233-240	23
713	Stress tolerance mechanisms in <i>Juncus</i> : responses to salinity and drought in three <i>Juncus</i> species adapted to different natural environments. <b>2016</b> , 43, 949-960	25
712	Partial characterization and antioxidant and antiproliferative activities of the aqueous extracellular polysaccharides from the thermophilic microalgae <i>Graesiella</i> sp. <b>2016</b> , 16, 210	44
711	Induced community tolerance of periphyton towards combined salt and toxic stress. <b>2016</b> , 61, 2152-2161	8
710	Water stress tolerance in maize. <b>2016</b> , 468-483	
709	Effects of sewage sludge fertilizer on heavy metal accumulation and consequent responses of sunflower ( <i>Helianthus annuus</i> ). <b>2016</b> , 23, 20168-20177	42
708	Improvement of DNA damage protection and antioxidant activity of biotransformed pearl millet ( <i>Pennisetum glaucum</i> ) cultivar PUSA-415 using <i>Aspergillus oryzae</i> MTCC 3107. <b>2016</b> , 8, 221-227	14
707	Phytochemical analysis, phenolic compounds, condensed tannin content and antioxidant potential in Marwa ( <i>Origanum majorana</i> ) seed extracts. <b>2016</b> , 2, 168-174	26
706	Efficient separation and purification of anthocyanins from saskatoon berry by using low transition temperature mixtures. <b>2016</b> , 6, 104582-104590	21
705	Proline accumulation protects <i>Saccharomyces cerevisiae</i> cells in stationary phase from ethanol stress by reducing reactive oxygen species levels. <b>2016</b> , 33, 355-63	43
704	Antioxidant and hepatoprotective activities of intracellular polysaccharide from <i>Pleurotus eryngii</i> SI-04. <b>2016</b> , 91, 568-77	54
703	Antioxidant activities of squid protein hydrolysates prepared with papain using response surface methodology. <b>2016</b> , 25, 665-672	10
702	Osmotic Adjustment and Plant Adaptation to Drought Stress. <b>2016</b> , 105-143	19
701	Antioxidant activity of <i>Inonotus obliquus</i> polysaccharide and its amelioration for chronic pancreatitis in mice. <b>2016</b> , 87, 348-56	35
700	Purification, Chemical Characterization, and Bioactivity of an Extracellular Polysaccharide Produced by the Marine Sponge Endogenous Fungus <i>Alternaria</i> sp. SP-32. <b>2016</b> , 18, 301-13	18

699	Extracellular polysaccharide with novel structure and antioxidant property produced by the deep-sea fungus <i>Aspergillus versicolor</i> N2bc. <b>2016</b> , 147, 272-281	30
698	Effect of ultrasonic treatment on the physicochemical properties and antioxidant activities of polysaccharide from <i>Cyclocarya paliurus</i> . <b>2016</b> , 151, 305-312	63
697	Influence of Silica Nanoparticles on Antioxidant Potential of <i>Bacillus subtilis</i> IMV B-7023. <b>2016</b> , 11, 139	5
696	Transcriptome analysis of <i>Arabidopsis thaliana</i> in response to cement dust. <b>2016</b> , 38, 865-878	2
695	Fabrication of nano-mosquitocides using chitosan from crab shells: Impact on non-target organisms in the aquatic environment. <b>2016</b> , 132, 318-28	31
694	Proline and glycine betaine accumulation in two succulent halophytes under natural and experimental conditions. <b>2016</b> , 150, 904-915	24
693	Inclusion of chrysin in $\beta$ -cyclodextrin and its biological activities. <b>2016</b> , 31, 176-186	23
692	Transgenic poplar expressing <i>codA</i> exhibits enhanced growth and abiotic stress tolerance. <b>2016</b> , 100, 75-84	28
691	Osmolytes and Plants Acclimation to Changing Environment: Emerging Omics Technologies. <b>2016</b> ,	21
690	Protective effects of anthocyanins from purple sweet potato on acute carbon tetrachloride-induced oxidative hepatotoxicity fibrosis in mice. <b>2016</b> , 27, 157-170	13
689	Protective role of glycerol against benzene stress: insights from the <i>Pseudomonas putida</i> proteome. <b>2016</b> , 62, 419-29	19
688	SSR Markers Associated with Proline in Drought Tolerant Wheat Germplasm. <b>2016</b> , 178, 1042-52	10
687	Exogenous gamma-aminobutyric acid increases salt tolerance of wheat by improving photosynthesis and enhancing activities of antioxidant enzymes. <b>2016</b> , 60, 123-131	39
686	Trade-offs in interspecific comparisons in plant ecology and how plants overcome proposed constraints. <b>2016</b> , 9, 3-33	43
685	The metabolites of glutamine prevent hydroxyl radical-induced apoptosis through inhibiting mitochondria and calcium ion involved pathways in fish erythrocytes. <b>2016</b> , 92, 126-140	26
684	Resistance of Plants to Cu Stress. <b>2016</b> , 69-114	6
683	A vacuolar Na <sup>+</sup> /H <sup>+</sup> antiporter gene, <i>IbNHX2</i> , enhances salt and drought tolerance in transgenic sweetpotato. <b>2016</b> , 201, 153-166	52
682	Mannitol in Plants, Fungi, and Plant-Fungal Interactions. <b>2016</b> , 21, 486-497	88

681	Overexpression of IbMIPS1 gene enhances salt tolerance in transgenic sweetpotato. <b>2016</b> , 15, 271-281	11
680	Time-Series Transcriptomics Reveals That AGAMOUS-LIKE22 Affects Primary Metabolism and Developmental Processes in Drought-Stressed Arabidopsis. <b>2016</b> , 28, 345-66	65
679	Combinatorial biosynthesis of Synechocystis PCC6803 phycocyanin holo-subunit (CpcA) in Escherichia coli and its activities. <b>2016</b> , 100, 5375-88	4
678	Pre-soaking in indole-3-acetic acid or spermidine enhances copper tolerance in wheat seedlings. <b>2016</b> , 104, 167-174	16
677	A grape bHLH transcription factor gene, VvbHLH1, increases the accumulation of flavonoids and enhances salt and drought tolerance in transgenic Arabidopsis thaliana. <b>2016</b> , 125, 387-398	74
676	The Antirrhinum AmDEL gene enhances flavonoids accumulation and salt and drought tolerance in transgenic Arabidopsis. <i>Planta</i> , <b>2016</b> , 244, 59-73	4-7 33
675	Plant-driven removal of heavy metals from soil: uptake, translocation, tolerance mechanism, challenges, and future perspectives. <b>2016</b> , 188, 206	170
674	Chemical characteristics of a heteropolysaccharide from Tylopilus ballouii mushroom and its antioxidant and anti-inflammatory activities. <b>2016</b> , 144, 400-9	26
673	HPTLC analysis and in vitro antioxidant activity of aqueous bark extract of Erythrina variegata L.. <b>2016</b> , 63, 143-157	1
672	Isolation, structural characterization, and antioxidativity of polysaccharide LBLP5-A from Lycium barbarum leaves. <b>2016</b> , 51, 314-324	23
671	A novel Cys2/His2 zinc finger protein gene from sweetpotato, IbZFP1, is involved in salt and drought tolerance in transgenic Arabidopsis. <i>Planta</i> , <b>2016</b> , 243, 783-97	4-7 60
670	Cannonball fruit ( <i>Couroupita guianensis</i> , Aubl.) extract mediated synthesis of gold nanoparticles and evaluation of its antioxidant activity. <b>2016</b> , 215, 229-236	104
669	Osmolyte Accumulation and Implications in Plant Abiotic Stress Tolerance. <b>2016</b> , 1-12	19
668	Polyamines: Osmoprotectants in Plant Abiotic Stress Adaptation. <b>2016</b> , 97-127	15
667	Roles of Osmolytes in Plant Adaptation to Drought and Salinity. <b>2016</b> , 37-68	33
666	Maternal inheritance has impact on organic acid content in progeny of pear ( <i>Pyrus</i> spp.) fruit. <b>2016</b> , 209, 305-321	12
665	Characterization of polysaccharide fractions in mulberry fruit and assessment of their antioxidant and hypoglycemic activities in vitro. <b>2016</b> , 7, 530-9	113
664	Exogenous mannitol treatment stimulates bud development and extends vase life of cut snapdragon flowers. <b>2016</b> , 113, 20-28	11

663	Optimization extraction, characterization and antioxidant activities of pectic polysaccharide from tangerine peels. <b>2016</b> , 136, 187-97	63
662	Cadmium stress alters the redox reaction and hormone balance in oilseed rape ( <i>Brassica napus</i> L.) leaves. <b>2016</b> , 23, 3758-69	46
661	Biochemical characteristics of <i>Trichoderma atroviride</i> associated with conidium fitness for biological control. <b>2016</b> , 26, 189-205	5
660	In vitro and in vivo biological activities of anthocyanins from <i>Nitraria tangutorun</i> Bobr. fruits. <b>2016</b> , 194, 296-303	23
659	Physiological and biochemical parameters for evaluation and clustering of rice cultivars differing in salt tolerance at seedling stage. <b>2016</b> , 23, 467-77	69
658	Stress memory induced transcriptional and metabolic changes of perennial ryegrass ( <i>Lolium perenne</i> ) in response to salt stress. <b>2016</b> , 156, 54-69	29
657	Transgenic Sugar Beet Expressing a Bacterial Mannitol-1-Phosphate Dehydrogenase (mtlD) Gene Shows Enhanced Resistance to Fungal Pathogens. <b>2016</b> , 18, 192-203	2
656	Aluminium-induced excessive ROS causes cellular damage and metabolic shifts in black gram <i>Vigna mungo</i> (L.) Hepper. <b>2017</b> , 254, 293-302	27
655	Mild Drought Stress-Induced Changes in Yield, Physiological Processes and Chemical Composition in <i>Festuca</i> , <i>Lolium</i> and <i>Festulolium</i> . <b>2017</b> , 203, 103-116	20
654	Simultaneous Production of Leaf Protein Concentrates and Antioxidants by Aqueous Ethanol Extraction. <b>2017</b> , 40, e12307	1
653	Enhancement of antioxidant activity of <i>Radix Puerariae</i> and red yeast rice by mixed fermentation with <i>Monascus purpureus</i> . <b>2017</b> , 226, 89-94	33
652	Glycinebetaine in saline conditions: an assessment of the current state of knowledge. <b>2017</b> , 39, 1	30
651	The genetic architecture of amino acids dissection by association and linkage analysis in maize. <b>2017</b> , 15, 1250-1263	42
650	Lipid signalling mediated by PLD/PA modulates proline and HO levels in barley seedlings exposed to short- and long-term chilling stress. <b>2017</b> , 113, 149-160	31
649	Plant Biotechnology: Principles and Applications. <b>2017</b> ,	1
648	Effects of OH and NO radicals in the aqueous phase on H <sub>2</sub> O <sub>2</sub> and NO <sub>2</sub> <sup>-</sup> generated in plasma-activated medium. <b>2017</b> , 50, 155202	61
647	<i>Gluconacetobacter diazotrophicus</i> exopolysaccharide protects bacterial cells against oxidative stress in vitro and during rice plant colonization. <b>2017</b> , 416, 133-147	32
646	MicroRNA156 improves drought stress tolerance in alfalfa ( <i>Medicago sativa</i> ) by silencing SPL13. <b>2017</b> , 258, 122-136	104

645	Biochemical response of hybrid black poplar tissue culture ( <i>Populus trichocarpa</i> ) on water stress. <b>2017</b> , 130, 559-570	3
644	Proline accumulation and related gene expression during spring regrowth in three rosaceae species. <b>2017</b> , 58, 21-26	4
643	Inhibitory effects of three bisbenzylisoquinoline alkaloids on lipopolysaccharide-induced microglial activation. <b>2017</b> , 7, 18347-18357	9
642	Effects of selenizing modification on characteristics and antioxidant activities of <i>Inonotus obliquus</i> polysaccharide. <b>2017</b> , 25, 222-230	7
641	Metabolic changes of peanut ( <i>Arachis hypogaea</i> L.) buds in response to low temperature (LT). <b>2017</b> , 111, 341-345	4
640	Quercitrin and quercetin 3- $\beta$ -D-glucoside as chemical chaperones for the A4V SOD1 ALS-causing mutant. <b>2017</b> , 30, 431-440	22
639	Appropriately raising fermentation temperature beneficial to the increase of antioxidant activity and gallic acid content in <i>Eurotium cristatum</i> -fermented loose tea. <b>2017</b> , 82, 248-254	30
638	Water relations and carbohydrate partitioning of four greenhouse-grown olive genotypes under long-term drought. <b>2017</b> , 31, 717-727	17
637	Separation of polysaccharides from <i>Spirulina platensis</i> by HSCCC with ethanol-ammonium sulfate ATPS and their antioxidant activities. <b>2017</b> , 173, 465-472	51
636	A $\beta$ -carotene desaturase gene, <i>lbZDS</i> , increases $\beta$ -carotene and lutein contents and enhances salt tolerance in transgenic sweetpotato. <b>2017</b> , 262, 39-51	35
635	Optimization extraction and bioactivities of polysaccharide from wild. <b>2017</b> , 25, 523-530	25
634	Optimization, partial characterization and antioxidant activity of an exopolysaccharide from <i>Lactobacillus plantarum</i> KX041. <b>2017</b> , 103, 1173-1184	106
633	Epidermal bladder cells confer salinity stress tolerance in the halophyte quinoa and <i>Atriplex</i> species. <b>2017</b> , 40, 1900-1915	61
632	Extracellular redox cycling and hydroxyl radical production occurs widely in lichenized Ascomycetes. <b>2017</b> , 121, 582-588	9
631	Characterisation of physicochemical and functional properties of soluble dietary fibre from potato pulp obtained by enzyme-assisted extraction. <b>2017</b> , 101, 1004-1011	56
630	Cadmium and copper induced changes in growth, oxidative metabolism and terpenoids of <i>Tanacetum parthenium</i> . <b>2017</b> , 24, 12261-12272	22
629	Developing Stress-Tolerant Plants by Manipulating Components Involved in Oxidative Stress. <b>2017</b> , 233-248	0
628	HO oxidative preparation, characterization and antiradical activity of a novel oligosaccharide derived from flaxseed gum. <b>2017</b> , 230, 135-144	26

627	Isolation, purification and characterization of antioxidative steroid derivative from methanolic extract of <i>Carissa carandas</i> (L.) leaves. <b>2017</b> , 10, 216-223	11
626	Retardation of oxidation by residual phytate in purified cereal $\beta$ -glucans. <b>2017</b> , 66, 161-167	9
625	Mathematical Advances Towards Sustainable Environmental Systems. <b>2017</b> ,	2
624	Quality, composition, and antioxidant activity of virgin olive oil from introduced varieties at Liangshan. <b>2017</b> , 78, 226-234	36
623	Plant Metabolites Expression. <b>2017</b> , 151-180	
622	Antioxidant, antibacterial and anti-aging activities of intracellular zinc polysaccharides from <i>Grifola frondosa</i> SH-05. <b>2017</b> , 95, 778-787	45
621	Effects of Two Amino Acids on Motion Parameters and Enzymatic Antioxidant Activity of Freeze-Thawed Stallion Spermatozoa. <b>2017</b> , 59, 49-56	2
620	VvMYBA6 in the promotion of anthocyanin biosynthesis and salt tolerance in transgenic <i>Arabidopsis</i> . <b>2017</b> , 11, 299-314	5
619	Cloning of a functional mannose-6-phosphate reductase (M6PR) gene homolog from Egyptian celery plants ( <i>Celery</i> ): overexpression in non-mannitol producing plants resulted in mannitol accumulation in transgenic individuals. <b>2017</b> , 7, 341	1
618	Arsenic-induced oxidative stress and thiol metabolism in two cultivars of rice and its possible reversal by phosphate. <b>2017</b> , 39, 1	17
617	Metabolic responses of endophytic <i>Nicotiana benthamiana</i> plants experiencing water stress. <b>2017</b> , 143, 59-71	26
616	Fermented pearl millet ( <i>Pennisetum glaucum</i> ) with in vitro DNA damage protection activity, bioactive compounds and antioxidant potential. <b>2017</b> , 100, 204-210	32
615	Influence of particle size and extraction solvent on antioxidant properties of extracts of tea, ginger, and tea-ginger blend. <b>2017</b> , 5, 1179-1185	37
614	Green and efficient PEG-based ultrasound-assisted extraction of polysaccharides from superfine ground lotus plumule to investigate their antioxidant activities. <b>2017</b> , 109, 320-326	16
613	In vitro radical scavenging potential and toxicopathological implications of administration of aqueous leaf extract of <i>Eucalyptus obliqua</i> L.Her. (Myrtaceae) in Wistar rats. <b>2017</b> , 26, 1241-1251	
612	Effects of 5-aminolevulinic acid on water uptake, ionic toxicity, and antioxidant capacity of Swiss chard ( <i>Beta vulgaris</i> L.) under sodic-alkaline conditions. <b>2017</b> , 180, 535-543	6
611	Metabolic Pathways Regulated by Chitosan Contributing to Drought Resistance in White Clover. <b>2017</b> , 16, 3039-3052	53
610	Anchoring 20(R)-Ginsenoside Rg3 onto Cellulose Nanocrystals To Increase the Hydroxyl Radical Scavenging Activity. <b>2017</b> , 5, 7507-7513	20



609	Arbuscular Mycorrhizal Fungi in Redeeming Arsenic Toxicity in Plants. <b>2017</b> , 107-133	5
608	Mycorrhiza - Eco-Physiology, Secondary Metabolites, Nanomaterials. <b>2017</b> ,	11
607	Role of defense enzymes and phenolics in resistance of wheat crop ( <i>Triticum aestivum</i> L.) towards aphid complex. <b>2017</b> , 12, 304-311	25
606	An Introduction to Antioxidants and Their Roles in Plant Stress Tolerance. <b>2017</b> , 1-23	12
605	Enhanced antioxidant activity, antibacterial activity and hypoglycemic effect of luteolin by complexation with manganese(II) and its inhibition kinetics on xanthine oxidase. <b>2017</b> , 7, 53385-53395	33
604	Ultrasound-Assisted Synthesis and Antioxidant Activity of 3-Selanyl-1 H-indole and 3-Selanylimidazo[1,2-a]pyridine Derivatives. <b>2017</b> , 6, 1635-1646	47
603	Physiological and biochemical responses of two lentil varieties to chickpea ( <i>Cicer arietinum</i> L.) aqueous extracts. <b>2017</b> , 225, 74-80	4
602	Relationships between DNA damage protection activity, total phenolic content, condensed tannin content and antioxidant potential among Indian barley cultivars. <b>2017</b> , 11, 201-206	23
601	Ensiled <i>Moringa oleifera</i> : an antioxidant-rich feed that improves dairy cattle performance. <b>2017</b> , 155, 1174-1186	16
600	Gypsum alleviated hydroxyl radical-mediated oxidative damages caused by alkaline bauxite residue in leaves of <i>Atriplex canescens</i> . <b>2017</b> , 98, 166-171	8
599	Application of chitooligosaccharides as antioxidants in beer to improve the flavour stability by protecting against beer staling during storage. <b>2017</b> , 39, 305-310	22
598	Effects of Melatonin on Colchicine-Treated PLBs of <i>Dendrobium sonia-28</i> Orchid. <b>2017</b> , 181, 15-31	
597	Na <sup>+</sup> Retention in the Root is a Key Adaptive Mechanism to Low and High Salinity in the Glycophyte, <i>Talinum paniculatum</i> (Jacq.) Gaertn. (Portulacaceae). <b>2017</b> , 203, 56-67	23
596	Phenolic content, antioxidant potential and DNA damage protection of pearl millet ( <i>Pennisetum glaucum</i> ) cultivars of North Indian region. <b>2017</b> , 11, 126-133	31
595	Bioactive Polysaccharides Extracts from <i>Sargassum muticum</i> by High Hydrostatic Pressure. <b>2017</b> , 41, e12977	6
594	In vitro antioxidant activities of an exopolysaccharide from a salt pan bacterium <i>Halolactibacillus miurensis</i> . <b>2017</b> , 155, 400-406	44
593	A novel combined process for extracting, separating and recovering flavonoids from flos <i>sophorae immaturus</i> . <b>2017</b> , 172, 422-432	17
592	Hepatoprotection of enzymatic-extractable mycelia zinc polysaccharides by <i>Pleurotus eryngii</i> var. <i>tuoliensis</i> . <b>2017</b> , 157, 196-206	34



591	In Vitro Antioxidant activities and anti-diabetic effect of a polysaccharide from Schisandra sphenanthera in rats with type 2 diabetes. <b>2017</b> , 94, 154-160		41
590	Biochemical composition and antioxidant activities of Arthrospira (Spirulina) platensis in response to gamma irradiation. <b>2017</b> , 214, 550-555		27
589	Renoprotective effect of low-molecular-weight sulfated polysaccharide from the seaweed Laminaria japonica on glycerol-induced acute kidney injury in rats. <b>2017</b> , 95, 132-137		32
588	Algae as nutritional and functional food sources: revisiting our understanding. <b>2017</b> , 29, 949-982		660
587	Evaluation of the differences in phenolic compounds and antioxidant activities of five green asparagus (Asparagus officinalis L.) cultivars. <b>2017</b> , 9, 479-487		3
586	Biochar Mitigates Salinity Stress in Plants. <b>2017</b> , 153-182		3
585	Evaluation of invitro Amylase and Glucosidase inhibitory potential of N2O2 schiff base Zn complex. <b>2017</b> , 10, 732-738		22
584	Exogenous Application of GABA Improves PEG-Induced Drought Tolerance Positively Associated with GABA-Shunt, Polyamines, and Proline Metabolism in White Clover. <b>2017</b> , 8, 1107		58
583	, an Desert Relative, Is Tolerant to Multiple Abiotic Stresses and Exhibits Species-Specific and Common Stress Tolerance Strategies with Its Halophytic Relative, (). <i>Frontiers in Plant Science</i> , <b>2016</b> , 7, 1992	6.2	17
582	Laminarin protects against hydrogen peroxide-induced oxidative damage in MRC-5 cells possibly via regulating NRF2. <b>2017</b> , 5, e3642		20
581	Overexpression of the OsIMP Gene Increases the Accumulation of Inositol and Confers Enhanced Cold Tolerance in Tobacco through Modulation of the Antioxidant Enzymes' Activities. <b>2017</b> , 8,		14
580	The PGPR SBP-9 Augments Resistance against Biotic and Abiotic Stress in Wheat Plants. <i>Frontiers in Microbiology</i> , <b>2017</b> , 8, 1945	5.7	117
579	The Antioxidative, Antiaging, and Hepatoprotective Effects of Alkali-Extractable Polysaccharides by. <b>2017</b> , 2017, 7298683		9
578	Structural characterization and biological activities of a novel polysaccharide from Phyllanthus emblica. <b>2017</b> , 11, 54-63		8
577	Variability in the protein profiles in spermatozoa of two sturgeon species. <b>2017</b> , 12, e0186003		5
576	Cellulase-Assisted Extraction of Polysaccharides from White Hyacinth Bean: Characterization of Antioxidant Activity and Promotion for Probiotics Proliferation. <b>2017</b> , 22,		12
575	Effect of Methyl Jasmonate and Mannitol Application on Growth and Eugenol Content in Callus Cultures of Carnation. <b>2017</b> , 27, 227-240		2
574	Growth performance, metal accumulation and biochemical responses of Palak (Beta vulgaris L. var. Allgreen H-1) grown on soil amended with sewage sludge-fly ash mixtures. <b>2018</b> , 25, 12619-12640		16

573	Tulsi ( <i>Ocimum tenuiflorum</i> ) seeds: in vitro DNA damage protection, bioactive compounds and antioxidant potential. <b>2018</b> , 12, 1530-1538	19
572	Modelling and prediction of selected antioxidant properties of ethanolic ginger extract. <b>2018</b> , 12, 1413-1419	2
571	Structural characterization and anticancer activity of extracellular polysaccharides from ascidian symbiotic bacterium <i>Bacillus thuringiensis</i> . <b>2018</b> , 190, 113-120	39
570	Lack of correlation of desiccation and radiation tolerance in microorganisms from diverse extreme environments tested under anoxic conditions. <b>2018</b> , 365,	15
569	Biotransformation of cadmium-sulfamethazine combined pollutant in aqueous environments: <i>Phanerochaete chrysosporium</i> bring cautious optimism. <b>2018</b> , 347, 74-83	54
568	Enhanced oxidative stress in the jasmonic acid-deficient tomato mutant <i>def-1</i> exposed to NaCl stress. <b>2018</b> , 226, 136-144	34
567	Targeting Redox Regulatory Mechanisms for Salinity Stress Tolerance in Crops. <b>2018</b> , 213-234	33
566	Optically Switchable Photocatalysis in Ultrathin Black Phosphorus Nanosheets. <b>2018</b> , 140, 3474-3480	163
565	Recombinant buckwheat glutaredoxin intake increases lifespan and stress resistance via hsf-1 upregulation in <i>Caenorhabditis elegans</i> . <b>2018</b> , 104, 86-97	8
564	In Concert: Orchestrated Changes in Carbohydrate Homeostasis Are Critical for Plant Abiotic Stress Tolerance. <b>2018</b> , 59, 1290-1299	41
563	Short-term high CO <sub>2</sub> treatment reduces water loss and decay by modulating defense proteins and organic osmolytes in Cardinal table grape after cold storage and shelf-life. <b>2018</b> , 234, 27-35	15
562	Effect of incorporation of flaxseed to wheat rusks: Antioxidant, nutritional, sensory characteristics, and in vitro DNA damage protection activity. <b>2018</b> , 42, e13585	8
561	Physiological and metabolic responses of immature and mature seeds of <i>Libidibia ferrea</i> ((Mart. ex Tul.) L.P. Queiroz) under contrasting storage temperatures. <b>2018</b> , 41, 43-55	4
560	The PEG-responding desiccome of the alder microsymbiont <i>Frankia alni</i> . <b>2018</b> , 8, 759	7
559	Chemical characterization, antioxidant and anti-inflammatory properties of Greek <i>Thymus vulgaris</i> extracts and their possible synergism with Egyptian <i>Chlorella vulgaris</i> . <b>2018</b> , 40, 317-328	33
558	Isolation, characterization and bioactive potential of sulfated galactans from <i>Spyridia hypnoides</i> (Bory) Papenfuss. <b>2018</b> , 109, 589-597	10
557	Characterization of drought and freezing tolerance of three representative cultivars of pak choi ( <i>Brassica rapa</i> ssp. <i>chinensis</i> ). <b>2018</b> , 38, 1	
556	Physiological and biochemical analysis of mechanisms underlying cadmium tolerance and accumulation in turnip. <b>2018</b> , 40, 19-27	13

555	Antioxidant and antibacterial evaluation of polysaccharides sequentially extracted from onion ( <i>Allium cepa</i> L.). <b>2018</b> , 111, 92-101	58
554	Solutes in native plants in the Arabian Gulf region and the role of microorganisms: future research. <b>2018</b> , 11, 671-684	8
553	Detoxification of mercury in soil by selenite and related mechanisms. <b>2018</b> , 159, 77-84	21
552	Antioxidant, Anti-microbial Properties and Chemical Composition of Cumin Essential Oils Extracted by Three Methods. <b>2018</b> , 16, 291-297	9
551	Bioprotection of Soybean Plants from Drought Stress by Application of Bacterial and Fungal Endophytes. <b>2018</b> , 281-301	
550	Isolation, purification and antioxidant activity of polysaccharides from the leaves of maca ( <i>Lepidium Meyenii</i> ). <b>2018</b> , 107, 2611-2619	24
549	Optimization of extraction yield and antioxidant properties of <i>Brassica oleracea</i> Convar Capitata Var L. leaf extracts. <b>2018</b> , 242, 182-187	20
548	The antioxidative and anti-aging effects of acidic- and alkalic-extractable mycelium polysaccharides by <i>Agrocybe aegerita</i> (Brig.) Sing. <b>2018</b> , 106, 1270-1278	18
547	Physicochemical properties and biological activities of polysaccharides from <i>Lycium barbarum</i> prepared by fractional precipitation. <b>2018</b> , 109, 611-618	52
546	Preparation and antioxidant properties of low molecular holothurian glycosaminoglycans by HO/ascorbic acid degradation. <b>2018</b> , 107, 1339-1347	15
545	Mitigation of Acute Aluminum Toxicity by Sodium Selenite and N-Acetylcysteine in Adult Male Rats. <b>2018</b> , 183, 128-137	4
544	Research on the physicochemical and digestive properties of <i>Pleurotus eryngii</i> protein. <b>2018</b> , 21, 2785-2806	9
543	Biochemical, Phytochemical and Antioxidant Composition of <i>Equisetum debile</i> Roxb. <b>2018</b> , 07,	2
542	Extraction, Characterization and Antioxidant Activity in vitro of Proteins from. <b>2018</b> , 23,	3
541	Polysaccharides with Antioxidative and Antiaging Activities from Enzymatic-Extractable Mycelium by (Brig.) Sing. <b>2018</b> , 2018, 1584647	5
540	Understanding the role of extracts from sea buckthorn seed residues in anti-melanogenesis properties on B16F10 melanoma cells. <b>2018</b> , 9, 5402-5416	4
539	Phytochemical screening and antioxidant properties of methanolic extract of root of <i>Asparagus racemosus</i> Linn. <b>2018</b> , 21, 2681-2688	7
538	Chemistry and biochemistry of cold physical plasma derived reactive species in liquids. <b>2018</b> , 400, 19-38	52

537	Antioxidant and Hypoglycemic Effects of Acidic-Extractable Polysaccharides from on Type 2 Diabetes Mice. <b>2018</b> , 2018, 9150807	13
536	Screening for Salt Tolerance in Four Local Varieties of Phaseolus lunatus from Spain. <b>2018</b> , 8, 201	9
535	Variation in pre-extraction processes influences the differences in chemical constituent, quantity and biochemical activities of volatile oils from Crinum jagus (Th.) D.: Gas Chromatography-Mass Spectrometry analysis. <b>2018</b> , 12, 748-753	
534	Role of Compatible Solutes in Enhancing Antioxidative Defense in Plants Exposed to Metal Toxicity. <b>2018</b> , 207-228	5
533	From RolD to Plant P5CS: Exploiting Proline to Control Plant Development. <i>Plants</i> , <b>2018</b> , 7, 4-5	10
532	Formulation of nanoemulsion from leaves essential oil of Ocimum basilicum L. and its antibacterial, antioxidant and larvicidal activities (Culex quinquefasciatus). <b>2018</b> , 125, 475-485	52
531	Photosynthetic Modulation in Response to Plant Activity and Environment. <b>2018</b> , 493-563	6
530	Antioxidant properties of feruloylated oligosaccharides of different degrees of polymerization from wheat bran. <b>2018</b> , 35, 547-559	12
529	Evaluation of Water Stress Tolerance of Soybean Using Physiological Parameters and Retrotransposon-Based Markers. <b>2018</b> , 70, 205-215	10
528	Research on sugarcane juice fermentation by Ganoderma lucidum and assay of antioxidant activity of exopolysaccharide. <b>2018</b> , 42, e13761	3
527	Transformation of Dunaliella parva with PSY gene: Carotenoids show enhanced antioxidant activity under polyethylene glycol and calcium treatments. <b>2018</b> , 16, 378-384	7
526	Short-Term Response of Plants Grown under Heavy Metal Toxicity. <b>2018</b> ,	0
525	Hexaricins, Pradimicin-like Polyketides from a Marine Sediment-Derived Streptosporangium sp. and Their Antioxidant Effects. <b>2018</b> , 81, 2069-2074	16
524	Enhanced tolerance to salt stress in highland barley seedlings (Hordeum vulgare ssp. vulgare) by gamma irradiation pretreatment. <b>2018</b> , 40, 1	11
523	Purification, chemical characterization and antioxidant activities of a novel polysaccharide from Auricularia polytricha. <b>2018</b> , 120, 1087-1092	34
522	Hepatoprotective effects of Auricularia cornea var. Li. polysaccharides against the alcoholic liver diseases through different metabolic pathways. <b>2018</b> , 8, 7574	13
521	Antioxidant activity of xylooligosaccharides prepared from Thermotoga maritima using recombinant enzyme cocktail of Xylanase and $\beta$ -glucuronidase. <b>2018</b> , 37, 210-224	6
520	A lycopene Cyclase gene, lLICYB2, enhances carotenoid contents and abiotic stress tolerance in transgenic sweetpotato. <b>2018</b> , 272, 243-254	40

519	Endogenous arabitol and mannitol improve shelf life of encapsulated <i>Metarhizium brunneum</i> . <b>2018</b> , 34, 108		7
518	Membrane stabilization and probable mechanisms of hypoglycemic activity of fruit extract of <i>Solanum incanum</i> L. (Solanaceae). <b>2018</b> , 27, 1611-1619		3
517	Enzymatic Modification of Rice Bran Polysaccharides by Enzymes from <i>Grifola Frondosa</i> : Natural Killer Cell Cytotoxicity and Antioxidant Activity. <b>2018</b> , 83, 1948-1955		6
516	Abiotic Stress and Metabolomics. <b>2018</b> , 61-85		12
515	Dehydrins Impart Protection against Oxidative Stress in Transgenic Tobacco Plants. <i>Frontiers in Plant Science</i> , <b>2018</b> , 9, 136	6.2	31
514	Combined Drought and Heat Activates Protective Responses in That Are Not Activated When Subjected to Drought or Heat Stress Alone. <i>Frontiers in Plant Science</i> , <b>2018</b> , 9, 819	6.2	44
513	Zinc oxide nanoparticles-mediated changes in ultrastructure and macromolecules of pomegranate callus cells. <b>2018</b> , 135, 247-261		7
512	Effect of high-pressure microfluidization treatment on the physicochemical properties and antioxidant activities of polysaccharide from <i>Mesona chinensis</i> Benth. <b>2018</b> , 200, 191-199		40
511	Quantification of Phenolic Compounds and In Vitro Radical Scavenging Abilities with Leaf Extracts from Two Varieties of <i>Psidium guajava</i> L. <b>2018</b> , 7,		15
510	Antioxidant Properties of Polyphenolic Extracts from , , and Bark. <b>2018</b> , 7,		11
509	Optimization of the ninhydrin reaction and development of a multiwell plate-based high-throughput proline detection assay. <b>2018</b> , 556, 57-62		14
508	Antioxidant Activity and Protective Effects of Enzyme-Extracted <i>Oudemansiella radiata</i> Polysaccharides on Alcohol-Induced Liver Injury. <b>2018</b> , 23,		18
507	Phenolic profile and antioxidant activity from peels and seeds of melon ( <i>Cucumis melo</i> L. var. <i>reticulatus</i> ) and their antiproliferative effect in cancer cells. <b>2018</b> , 51, e6069		36
506	In vitro evaluation of the synergistic antioxidant and anti-inflammatory activities of the combined extracts from Malaysian <i>Ganoderma lucidum</i> and Egyptian <i>Chlorella vulgaris</i> . <b>2018</b> , 18, 154		31
505	Carbohydrate Spectrum of Extremophilic Yeasts <i>Yarrowia lipolytica</i> under pH Stress. <b>2018</b> , 87, 173-182		4
504	Effect of high-pressure processing on the polysaccharides content and antioxidant activity of fresh <i>Dendrobium officinale</i> juice. <b>2018</b> , 42, e12609		4
503	Drought-mitigating <i>Pseudomonas putida</i> GAP-P45 modulates proline turnover and oxidative status in <i>Arabidopsis thaliana</i> under water stress. <b>2018</b> , 68, 579-594		20
502	<i>Cyamopsis tetragonoloba</i> type 1 metallothionein (CtMT1) gene is upregulated under drought stress and its protein product has an additional C-X-C motif and unique metal binding pattern. <b>2018</b> , 119, 1324-1334		5

501	Interactions between Nitrogen and Phosphorus Metabolism. <b>2018</b> , 187-214	1
500	Structural characterization and antioxidant activities of the degradation products from <i>Porphyra haitanensis</i> polysaccharides. <b>2018</b> , 74, 185-193	35
499	Horseradish peroxidase-mediated synthesis of an antioxidant gallic acid--chitosan derivative and its preservation application in cherry tomatoes.. <b>2018</b> , 8, 20363-20371	9
498	Stimulating Plant Tolerance Against Abiotic Stress Through Seed Priming. <b>2018</b> , 147-183	6
497	Studies on Seed Priming in Pepper ( <i>Capsicum annum</i> L.). <b>2018</b> , 209-239	4
496	The physiological responses of terrestrial cyanobacterium to different intensities of ultraviolet-B radiation.. <b>2018</b> , 8, 21065-21074	3
495	Advances in Seed Priming. <b>2018</b> ,	12
494	Agarase immobilized on tannic acid-modified FeO nanoparticles for efficient preparation of bioactive neoagar-oligosaccharide. <b>2019</b> , 272, 586-595	19
493	Fluoride toxicity triggered oxidative stress and the activation of antioxidative defence responses in <i>Spirodela polyrhiza</i> L. Schleiden. <b>2019</b> , 14, 440-452	14
492	Valinomycin, produced by <i>Streptomyces</i> sp. S8, a key antifungal metabolite in large patch disease suppressiveness. <b>2019</b> , 35, 128	6
491	Antioxidant and physicochemical properties of soluble dietary fiber from garlic straw as treated by energy-gathered ultrasound. <b>2019</b> , 22, 678-688	13
490	Fluorescent Probe for Investigation of Influence of Ribonucleosides With D-Mannitol. <b>2019</b> ,	
489	Synthesis of indole-2-carbohydrazides and 2-(indol-2-yl)-1,3,4-oxadiazoles as antioxidants and their acetylcholinesterase inhibition properties. <b>2019</b> , 150, 1553-1560	11
488	The ameliorations of <i>Ganoderma applanatum</i> residue polysaccharides against CCl <sub>4</sub> induced liver injury. <b>2019</b> , 137, 1130-1140	12
487	Plant-Metal Interactions. <b>2019</b> ,	7
486	Sugar reduction in bakery products: Current strategies and sourdough technology as a potential novel approach. <b>2019</b> , 126, 108583	30
485	The Antioxidant and Anti-Aging Effects of Acetylated Mycelia Polysaccharides from. <b>2019</b> , 24,	12
484	Heavy Metal Toxicity and Plant Productivity: Role of Metal Scavengers. <b>2019</b> , 49-60	6

483	Effect of High Temperature on Protein Metabolism in Plants. <b>2019</b> , 217-309		2
482	Interaction between Bean and : Understanding Through a Biochemical Approach. <i>Plants</i> , <b>2019</b> , 8,	4-5	15
481	. <b>2019</b> ,		3
480	Fractionation of green coconut fiber using sequential hydrothermal/alkaline pretreatments and Amberlite XAD-7HP resin. <b>2019</b> , 7, 103474		13
479	Salt Stress, Microbes, and Plant Interactions: Mechanisms and Molecular Approaches. <b>2019</b> ,		2
478	Effects of High-Intensity Ultrasound Pretreatment on Structure, Properties, and Enzymolysis of Soy Protein Isolate. <b>2019</b> , 24,		25
477	Antioxidant Activity and Main Chemical Components of a Novel Fermented Tea. <b>2019</b> , 24,		28
476	Foliar application is an effective method for incorporating selenium into peanut leaf proteins with antioxidant activities. <b>2019</b> , 126, 108617		6
475	Isolation, structural characterizations and bioactivities of exopolysaccharides produced by <i>Bacillus licheniformis</i> . <b>2019</b> , 141, 298-306		15
474	The Non-Covalent Interactions and In Vitro Radical Scavenging Activities of the Caseinate-Galangin and Caseinate-Genistein Complexes. <b>2019</b> , 8,		3
473	Adventitious root cultures from leaf explants of <i>Helicteres angustifolia</i> L. as a novel source for production of natural bioactive compounds. <b>2019</b> , 41, 1		1
472	Hydroxyl radical scavenging of the compatible solute ectoine generates two N-acetimides. <b>2019</b> , 674, 108097		18
471	Characterization, Antioxidant, Anti-Aging and Organ Protective Effects of Sulfated Polysaccharides from. <b>2019</b> , 24,		19
470	The effect of NaCl on some physiological and biochemical parameters in <i>Triticum aestivum</i> L. genotypes. <b>2019</b> , 24, 370-375		5
469	Antioxidant, Anti-Biofilm, and Solar Protection Activities of (Britton & Rose) Pulp Extract. <b>2019</b> , 8,		6
468	Metabolomics and physiological analyses reveal $\beta$ sitosterol as an important plant growth regulator inducing tolerance to water stress in white clover. <i>Planta</i> , <b>2019</b> , 250, 2033-2046	4-7	14
467	Exogenous $\beta$ aminobutyric acid treatment improves the cold tolerance of zucchini fruit during postharvest storage. <b>2019</b> , 136, 188-195		28
466	Resistance against <i>Sclerotinia sclerotiorum</i> in soybean involves a reprogramming of the phenylpropanoid pathway and up-regulation of antifungal activity targeting ergosterol biosynthesis. <b>2019</b> , 17, 1567-1581		43



465	Anti-hyperlipidemic, antioxidant and organic protection effects of acidic-extractable polysaccharides from <i>Dictyophora indusiata</i> . <b>2019</b> , 129, 281-292	11
464	Evaluation of antidiabetic, dermatoprotective, neuroprotective and antioxidant activities of <i>Chrysanthemum fontanesii</i> flowers and leaves extracts. <b>2019</b> , 20, 101209	2
463	Specific heme binding to heme regulatory motifs in iron regulatory proteins and its functional significance. <b>2019</b> , 198, 110726	6
462	Determination of the yield, saponin content and profile, antimicrobial and antioxidant activities of three <i>Gypsophila</i> species. <b>2019</b> , 138, 111422	5
461	Synthesis of Selenium(0) and Zinc(II) Biomolecules in Nano-Structured Forms as New Antioxidant Agents: Chemical and Biological Studies. <b>2019</b> , 89, 800-805	1
460	Physiological and Biochemical Effects of Heat Shock Stress and Determination of Molecular Markers Related to Heat Tolerance in Maize Hybrids. <b>2019</b> , 71, 213-222	5
459	Chemical composition, structural features, surface morphology and bioactivities of chitosan derivatives from lobster ( <i>Thenus unimaculatus</i> ) shells. <b>2019</b> , 135, 1237-1245	19
458	Extracellular biosynthesis of silver nanoparticles from <i>Penicillium italicum</i> and its antioxidant, antimicrobial and cytotoxicity activities. <b>2019</b> , 41, 899-914	52
457	Regulation of lipid metabolism in diabetic rats by <i>Arctium lappa</i> L. polysaccharide through the PKC/NF- $\kappa$ B pathway. <b>2019</b> , 136, 115-122	16
456	Securing reproductive function in mungbean grown under high temperature environment with exogenous application of proline. <b>2019</b> , 140, 136-150	12
455	Characterization, antioxidant, and anticancer activities of a neutral polysaccharide from <i>Duchesnea indica</i> (Andr.) Focke. <b>2019</b> , 43, e12899	7
454	Pollen development at high temperature and role of carbon and nitrogen metabolites. <b>2019</b> , 42, 2759-2775	25
453	Orally administered salectan ameliorates methotrexate-induced intestinal mucositis in mice. <b>2019</b> , 84, 105-116	4
452	Species of the Genus <i>Salix</i> L.: Biochemical Screening and Molecular Docking Approach to Potential Acetylcholinesterase Inhibitors. <b>2019</b> , 9, 1842	14
451	Physiological and Metabolic Responses of Rice to Reduced Soil Moisture: Relationship of Water Stress Tolerance and Grain Production. <b>2019</b> , 20,	9
450	Antioxidant activity changes of exopolysaccharides with different carbon sources from <i>Lactobacillus plantarum</i> LPC-1 and its metabolomic analysis. <b>2019</b> , 35, 68	15
449	Salicylic acid alleviates glyphosate-induced oxidative stress in <i>Hordeum vulgare</i> L. <b>2019</b> , 241, 226-234	30
448	Optimal extraction and antioxidant activities of flavonoids from <i>Penthorum chinense</i> Pursh. <b>2019</b> , 13, 2253-2264	2



447	Drought-induced mortality in Scots pine: opening the metabolic black box. <b>2019</b> , 39, 1358-1370	4
446	Profiling of main metabolites in root exudates and mucilage collected from maize submitted to cadmium stress. <b>2019</b> , 26, 17520-17534	14
445	Citrulline and Arginine Content of Taxa of Cucurbitaceae. <b>2019</b> , 5, 22	14
444	Antioxidant and anti-inflammatory effect of <i>Asphodelus microcarpus</i> methanolic extracts. <b>2019</b> , 239, 111914	11
443	Preparation of crosslinked active bilayer film based on chitosan and alginate for regulating ascorbate-glutathione cycle of postharvest cherry tomato ( <i>Lycopersicon esculentum</i> ). <b>2019</b> , 130, 584-594	19
442	Desiccation and rehydration of mosses greatly increases resource fluxes that alter soil carbon and nitrogen cycling. <b>2019</b> , 107, 1767-1778	12
441	Production and In Vitro Gastrointestinal Digestion of Antioxidant Peptides from Enzymatic Hydrolysates of Sweet Potato Protein Affected by Pretreatment. <b>2019</b> , 74, 225-231	14
440	Evaluation of extraction technologies and optimization of microwave and ultrasonic assisted consecutive extraction of phenolic antioxidants from winery byproducts. <b>2019</b> , 42, e13064	5
439	Selenylation Modification of <i>Atractylodes macrocephala</i> Polysaccharide and Evaluation of Antioxidant Activity. <b>2019</b> , 2019, 1-8	3
438	Bioactive Molecules as Regulatory Signals in Plant Responses to Abiotic Stresses. <b>2019</b> , 169-182	5
437	Role and Regulation of Osmolytes and ABA Interaction in Salt and Drought Stress Tolerance. <b>2019</b> , 417-436	13
436	Antioxidant and Anti-Diabetic Activities of Polysaccharides from Guava Leaves. <b>2019</b> , 24,	30
435	Pricing longevity-linked derivatives using a stochastic mortality model. <b>2019</b> , 48, 5923-5942	1
434	A R2R3-type MYB transcription factor gene from soybean, GmMYB12, is involved in flavonoids accumulation and abiotic stress tolerance in transgenic <i>Arabidopsis</i> . <b>2019</b> , 13, 219-233	11
433	Consequences of Oxidative Stress on Plant Glycolytic and Respiratory Metabolism. <i>Frontiers in Plant Science</i> , <b>2019</b> , 10, 166	6.2 67
432	Fermented pearl millet: a product with enhanced bioactive compounds and DNA damage protection activity. <b>2019</b> , 13, 1479-1488	9
431	Antioxidant, tyrosinase and urease inhibitory activities of camel $\beta$ -casein and its hydrolysate fractions. <b>2019</b> , 173, 30-35	8
430	In vitro assessment of three different artemisia species for their antioxidant and anti-fibrotic activity. <b>2019</b> , 18, 101040	4

429	Linking Autophagy to Abiotic and Biotic Stress Responses. <b>2019</b> , 24, 413-430	105
428	Evaluation of sea mustard ( <i>Undaria pinnatifida</i> ) sporophylls from South Korea as fucoidan source and its corresponding antioxidant activities. <b>2019</b> , 22,	2
427	ANTIOXIDATIVE AND FREE RADICAL SCAVENGING POTENTIALS OF <i>CYCLOSORUS INTERRUPTUS</i> (WILLD.) H. ITT AND <i>PRONEPHRIUM NUDATUM</i> (ROXB. EX GRIFF.) HOLTUM. <b>2019</b> , 87-94	
426	Nutritional value, micronutrient and antioxidant capacity of some green leafy vegetables commonly used by southern coastal people of Bangladesh. <b>2019</b> , 5, e02768	8
425	Identification of polyphenolic composition in the fruits of <i>Rubus chingii</i> Hu and its antioxidant and antiproliferative activity on human bladder cancer T24 cells. <b>2019</b> , 13, 51-60	5
424	Developed functionalization of wool fabric with extracts of <i>Lycium ruthenicum</i> Murray and potential application in healthy care textiles. <b>2019</b> , 163, 308-317	19
423	leaves methanolic extract alleviates diethylnitrosamine-induced hepatocellular carcinoma in rats. <b>2019</b> , 97, 437-445	5
422	Pressurized pretreatment and simultaneous saccharification and fermentation with in situ detoxification to increase bioethanol production from green coconut fibers. <b>2019</b> , 130, 259-266	30
421	Current and possible approaches for improving photosynthetic efficiency. <b>2019</b> , 280, 433-440	15
420	Metal ions driven production, characterization and bioactivity of extracellular melanin from <i>Streptomyces</i> sp. ZL-24. <b>2019</b> , 123, 521-530	18
419	Antioxidant properties of coffee substitutes rich in polyphenols and minerals. <b>2019</b> , 278, 101-109	40
418	On higher nutritional and medical properties of a carotenoid-rich mutant pomelo ( <i>Citrus maxima</i> (L.) Osbeck). <b>2019</b> , 127, 142-147	6
417	Improvement of thermal, microwave and ultrasonication pretreatment on the production of antioxidant peptides from sweet potato protein via in vitro gastrointestinal digestion. <b>2019</b> , 54, 2338-2345	9
416	Nitric oxide, $\beta$ -aminobutyric acid, and mannose pretreatment influence metabolic profiles in white clover under water stress. <b>2019</b> , 61, 1255-1273	12
415	Optimization of the ultrafiltration-assisted extraction of Chinese yam polysaccharide using response surface methodology and its biological activity. <b>2019</b> , 121, 1186-1193	29
414	A comparative study of phytochemicals, antioxidant potential and in-vitro DNA damage protection activity of different oat ( <i>Avena sativa</i> ) cultivars from India. <b>2019</b> , 13, 347-356	12
413	Novel of nano delivery system for Linalool loaded on gold nanoparticles conjugated with CALNN peptide for application in drug uptake and induction of cell death on breast cancer cell line. <b>2019</b> , 94, 949-964	47
412	Characterization of sulfated polysaccharide from <i>Laurencia obtusa</i> and its apoptotic, gastroprotective and antioxidant activities. <b>2019</b> , 126, 326-336	14

411	Medium composition optimization, structural characterization, and antioxidant activity of exopolysaccharides from the medicinal mushroom <i>Ganoderma lingzhi</i> . <b>2019</b> , 124, 1186-1196	18
410	Phytochemical characteristics of callus suspension culture of <i>Helicteres angustifolia</i> L. and its in vitro antioxidant, antidiabetic and immunomodulatory activities. <b>2019</b> , 121, 178-185	8
409	Characteristic anti-inflammatory and antioxidative effects of enzymatic- and acidic- hydrolysed mycelium polysaccharides by <i>Oudemansiella radicata</i> on LPS-induced lung injury. <b>2019</b> , 204, 142-151	23
408	Synthesis of enantiomerically pure glycerol derivatives containing an organochalcogen unit: In vitro and in vivo antioxidant activity. <b>2020</b> , 13, 883-899	7
407	Comparative assessment of total phenolic content and in vitro antioxidant activities of bark and leaf methanolic extracts of <i>Manilkara hexandra</i> (Roxb.) Dubard. <b>2020</b> , 32, 643-647	13
406	Hydro-Ethanollic Fruit Extract of Reversed Triton-X-100-Induced Hyperlipidaemia in Rats. <b>2020</b> , 17, 53-66	4
405	<i>Leea macrophylla</i> (Roxb.) root extract reverses CCl <sub>4</sub> induced liver injury through upregulation of antioxidative gene expression: a molecular interaction for therapeutic inception. <b>2020</b> , 20, 35-52	8
404	Approaches in Enhancing Thermotolerance in Plants: An Updated Review. <b>2020</b> , 39, 456-480	31
403	Co-inoculation Effects of <i>Rhizobium sullae</i> and <i>Pseudomonas</i> sp. on Growth, Antioxidant Status, and Expression Pattern of Genes Associated with Heavy Metal Tolerance and Accumulation of Cadmium in <i>Sulla coronaria</i> . <b>2020</b> , 39, 216-228	6
402	Conflicting actions of 4-vinylcatechol in rat lymphocytes under oxidative stress induced by hydrogen peroxide. <b>2020</b> , 43, 347-352	1
401	A R2R3-MYB transcription factor VvMYBF1 from grapevine ( <i>Vitis vinifera</i> L.) regulates flavonoids accumulation and abiotic stress tolerance in transgenic <i>Arabidopsis</i> . <b>2020</b> , 95, 147-161	5
400	Extraction, characterization and antioxidant activity of polysaccharide from <i>Pouteria campechiana</i> seed. <b>2020</b> , 229, 115409	40
399	Solid-state fermentation of pearl millet with <i>Aspergillus oryzae</i> and <i>Rhizopus azygosporus</i> : effects on bioactive profile and DNA damage protection activity. <b>2020</b> , 14, 150-162	8
398	Amino Acids as Stress Reducers in Soybean Plant Growth Under Different Water-Deficit Conditions. <b>2020</b> , 39, 905-919	13
397	Multifarious Pharmacological Applications of Green Routed Eco-Friendly Iron Nanoparticles Synthesized by <i>Streptomyces</i> Sp. (SRT12). <b>2020</b> , 194, 273-283	11
396	Production and characterisation of antioxidant peptides from sweet potato protein by enzymatic hydrolysis with radio frequency pretreatment. <b>2020</b> , 55, 2352-2358	7
395	Combined effects of salinity and drought on physiological and biochemical characteristics of pistachio rootstocks. <b>2020</b> , 261, 108970	19
394	Antioxidant and antihyperlipidemic activities of high sulfate content purified polysaccharide from <i>Ulva pertusa</i> . <b>2020</b> , 146, 756-762	24

393	Influence of Extraction Variables on Free Radical Scavenging Potential of <i>Nelumbo nucifera</i> Seed Kernel: Optimization by Response Surface Methodology. <b>2020</b> , 15, 627-640	3
392	Differential Salt Sensitivity of Two Flax Cultivars Coincides with Differential Sodium Accumulation, Biosynthesis of Osmolytes and Antioxidant Enzyme Activities. <b>2020</b> , 39, 1119-1126	3
391	<i>Prosopis juliflora</i> as a new cosmetic ingredient: Development and clinical evaluation of a bioactive moisturizing and anti-aging innovative solid core. <b>2020</b> , 233, 115854	4
390	Fermentation conditions optimization, purification, and antioxidant activity of exopolysaccharides obtained from the plant growth-promoting endophytic actinobacterium <i>Glutamicibacter halophytocola</i> KLBMP 5180. <b>2020</b> , 153, 1176-1185	19
389	A novel combination of enzymatic hydrolysis and fermentation: Effects on the flavor and nutritional quality of fermented <i>Cordyceps militaris</i> beverage. <b>2020</b> , 120, 108934	11
388	Physio-biochemical analyses in seedlings of sorghum-sudangrass hybrids that are grown under salt stress under in vitro conditions. <b>2020</b> , 45,	1
387	Antioxidant, anti-inflammatory and renoprotective effects of acidic-hydrolytic polysaccharides by spent mushroom compost ( <i>Lentinula edodes</i> ) on LPS-induced kidney injury. <b>2020</b> , 151, 1267-1276	19
386	Production, physiology, and molecular characterization of sorghum ( <i>Sorghum bicolor</i> (L.) Moench) genotypes under the interactions of abiotic stresses. <b>2020</b> , 75, 39-51	
385	Characterization and expression analysis of P5CS ( $\beta$ -pyrroline-5-carboxylate synthase) gene in two distinct populations of the Atlantic Forest native species <i>Eugenia uniflora</i> L. <b>2020</b> , 47, 1033-1043	4
384	Variation in physiological traits, yield and secondary metabolites of jimsonweed ( <i>Datura stramonium</i> L.) under different irrigation regimes and nutrition systems. <b>2020</b> , 143, 111916	11
383	Targeting the Metabolic Response to Statin-Mediated Oxidative Stress Produces a Synergistic Antitumor Response. <b>2020</b> , 80, 175-188	37
382	Isolation, purification, structural characteristic and antioxidative property of polysaccharides from <i>A. cepa</i> L. var. <i>agrogatum</i> Don. <b>2020</b> , 9, 71-79	12
381	Mineral and carbohydrates changes in leaves and roots of olive trees receiving biostimulants and foliar fertilizers. <b>2020</b> , 135, 18-28	5
380	In Vitro and In Vivo Antioxidant Activity of Agro-Industrial Residue. <b>2020</b> , 10,	3
379	IN VITRO SCREENING AND CORRELATION OF ETHANOLIC PEEL EXTRACTS OF <i>PUNICA GRANATUM</i> AND <i>CITRUS SINENSIS</i> WITH RESPECT TO ANTIOXIDANT AND ANTIRADICAL ACTIVITY. <b>2020</b> , 52-56	0
378	Antioxidant ability of polyphenols from black rice, buckwheat and oats: In vitro and in vivo. <b>2020</b> , 38, 242-247	1
377	Eco friendly silver nanoparticles synthesis by <i>Brassica oleracea</i> and its antibacterial, anticancer and antioxidant properties. <b>2020</b> , 10, 18564	28
376	Preparation of chitooligosaccharide acetate salts with narrow molecular size distribution and the antioxidative activity. <b>2020</b> , 182, 109393	2

375	Integrated physiological, transcriptomic and proteomic analyses revealed molecular mechanism for salt resistance in <i>Solidago canadensis</i> L.. <b>2020</b> , 179, 104211		5
374	Drought-induced stress in leaves of <i>Coix lacryma-jobi</i> L. under exogenous application of proline and GABA amino acids. <b>2020</b> , 43, 513-521		4
373	The roles of phytohormones in metal stress regulation in microalgae. <b>2020</b> , 32, 3817-3829		3
372	The influence of laser beam and high light intensity on lentil ( <i>Lens culinaris</i> ) and wheat ( <i>Triticum aestivum</i> ) seedlings growth and metabolism. <b>2020</b> , 1-21		1
371	Oxidative damage of proline residues by nitrate radicals (NO <sub>3</sub> <sup>•</sup> ) a kinetic and product study. <b>2020</b> , 18, 6949-6957		3
370	ADP-ribosylation factors improve biomass yield and salinity tolerance in transgenic switchgrass ( <i>Panicum virgatum</i> L.). <b>2020</b> , 39, 1623-1638		3
369	Diversity and Bioactivity of Endophytes From in China. <i>Frontiers in Microbiology</i> , <b>2020</b> , 11, 1489	5-7	4
368	Comparative Transcriptome, Metabolome, and Ionome Analysis of Two Contrasting Common Bean Genotypes in Saline Conditions. <i>Frontiers in Plant Science</i> , <b>2020</b> , 11, 599501	6.2	1
367	Valorization of mangaba residue ( <i>Hancornia speciosa</i> Gomes) for polygalacturonase production from <i>Aspergillus niger</i> IOC 4003 and fabrication of active chitosan films. <b>2020</b> , 1		1
366	Evaluation of antioxidative capacity and lipidomics profiling of big eye tuna ( <i>Thunnus obesus</i> ) head soup with different colloidal particle size. <b>2020</b> , 55, 3254-3266		4
365	Solid-state fermentation of lentil ( <i>Lens culinaris</i> L.) with <i>Aspergillus awamori</i> : Effect on phenolic compounds, mineral content, and their bioavailability. <b>2020</b> , 2, e37		14
364	Sugars and Sugar Polyols in Overcoming Environmental Stresses. <b>2020</b> , 71-101		4
363	Cellular mechanism of salinity tolerance in wheat. <b>2020</b> , 55-76		1
362	Copper stress-induced changes in biomass accumulation, antioxidant activity and flavonoid contents in <i>Belamcanda chinensis</i> calli. <b>2020</b> , 142, 299-311		5
361	Accumulation of Polyphenolic Compounds and Osmolytes under Dehydration Stress and Their Implication in Redox Regulation in Four Indigenous Aromatic Rice Cultivars. <b>2020</b> , 27, 329-344		8
360	Effects of Microwave-Assisted Extract in Inhibiting the Impacts of Particulate Matter on Human Keratinocyte Skin Cell. <b>2020</b> , 9,		9
359	The roles and potential of lentil prebiotic carbohydrates in human and plant health. <b>2020</b> , 2, 310-319		11
358	Assessing the nursing behaviour of Moso bamboo ( <i>Phyllostachys edulis</i> ) on carbohydrates dynamics and photosystems. <b>2020</b> , 10, 1015		2

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356	Ir nanoparticles with multi-enzyme activities and its application in the selective oxidation of aromatic alcohols. <b>2020</b> , 267, 118725	28
355	Characterization of selenium-containing polysaccharides isolated from selenium-enriched tea and its bioactivities. <b>2020</b> , 316, 126371	21
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351	Exogenous methylglyoxal enhances the reactive aldehyde detoxification capability and frost-hardiness of wheat. <b>2020</b> , 149, 75-85	11
350	How is glyphosate resistance modified by exogenous salicylic acid application on <i>Conyza bonariensis</i> biotypes. <b>2020</b> , 48, 305-315	1
349	<i>Vitis vinifera</i> polyphenols from seedless black fruit act synergistically to suppress hepatotoxicity by targeting necroptosis and pro-fibrotic mediators. <b>2020</b> , 10, 2452	4
348	Suboptimal Temperature Acclimation Enhances Chilling Tolerance by Improving Photosynthetic Adaptability and Osmoregulation Ability in Watermelon. <b>2020</b> , 6, 49-60	11
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345	Physiological and transcriptome analyses of the effects of exogenous dopamine on drought tolerance in apple. <b>2020</b> , 148, 260-272	29
344	Salinity tolerance mechanisms during germination and early seedling growth in <i>Chenopodium quinoa</i> Wild. genotypes with different sensitivity to saline stress. <b>2020</b> , 172, 103995	17
343	Amino Acids of Seminal Plasma Associated With Freezability of Bull Sperm. <b>2019</b> , 7, 347	15
342	Enhanced drought tolerance with artificial microRNA-mediated <i>StProDH1</i> gene silencing in potato. <b>2020</b> , 60, 1462-1471	5
341	Easy coordinate geometry indexes, $\bar{4}$ and $\bar{5}$ and HSA study for unsymmetrical Pd(II), Fe(II), Zn(II), Mn(II), Cu(II) and VO(IV) complexes of a tetradentate ligand: Synthesis, characterization, properties, and antioxidant activities. <b>2020</b> , 505, 119434	8
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321	Role of Physical Agents in Inducing Genotoxicity and Oxidative Stress in Plants. <b>2021</b> , 65-102	
320	Synergistic protective effect of Beta vulgaris with meso-2,3-dimercaptosuccinic acid against lead-induced neurotoxicity in male rats. <b>2021</b> , 11, 252	8
319	Sulfated modification, characterization and bioactivities of an acidic polysaccharide fraction from an edible mushroom (Berk.) Sacc. <b>2021</b> , 7, e05964	12
318	A non-targeted metabolomics study on Xylella fastidiosa infected olive plants grown under controlled conditions. <b>2021</b> , 11, 1070	5
317	Biosorption of cyanate by two strains of : evaluation of the removal efficiency and antioxidants activity. <b>2021</b> , 23, 1030-1040	0
316	Antioxidant and antibacterial activity of Gelidium pusillum (Stackhouse) against Aeromonas caviae and its applications in aquaculture. <b>2021</b> , 29, 845-858	3
315	Characterization and Hepatoprotections of Polysaccharides against Multiple Organ Dysfunction Syndrome in Mice. <b>2021</b> , 2021, 9703682	3
314	Antifouling Antioxidant Zwitterionic Dextran Hydrogels as Wound Dressing Materials with Excellent Healing Activities. <b>2021</b> , 13, 7060-7069	19
313	Effect of arsenate toxicity on antioxidant enzymes and expression of nicotianamine synthase in contrasting genotypes of bioenergy crop Ricinus communis. <b>2021</b> , 28, 31421-31430	7
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311	Molecular mechanisms and highly functional development for stress tolerance of the yeast Saccharomyces cerevisiae. <b>2021</b> , 85, 1017-1037	2
310	Antioxidant properties and phenolic profiling by UPLC-QTOF-MS of Ajwah, Safawy and Sukkari cultivars of date palm. <b>2021</b> , 25, 100909	3
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308	Antioxidant properties and inhibition of angiotensin-converting enzyme by highly active peptides from wheat gluten. <b>2021</b> , 11, 5206	6
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306	Chitosan and glyceryl monooleate nanostructures containing gallic acid isolated from amla fruit: targeted delivery system. <b>2021</b> , 7, e06526	2
305	Distinct cellular strategies determine sensitivity to mild drought of Arabidopsis natural accessions. <b>2021</b> , 186, 1171-1185	3
304	Distinct morpho-physiological and biochemical features of arid and hyper-arid ecotypes of Ziziphus nummularia under drought suggest its higher tolerance compared with semi-arid ecotype. <b>2021</b> , 41, 2063-2081	1



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302	Oxidative Stress-Induced Alteration of Plant Central Metabolism. <b>2021</b> , 11,	8
301	Strobilanthes heyneanus root extract as a potential source for antioxidant and antimicrobial activity. <b>2021</b> , 7,	1
300	Characterization of Phenolics in Rejected Kiwifruit and Their Antioxidant Potential. <b>2021</b> , 9, 781	8
299	Inositol and vitamin D may naturally protect human reproduction and women undergoing assisted reproduction from Covid-19 risk. <b>2021</b> , 144, 103271	4
298	Green synthesis, characterization, enhanced functionality and biological evaluation of silver nanoparticles based on. <b>2021</b> , 28, 2102-2108	10
297	Metabolic and physiological alterations indicate that the tropical broadleaf tree Eugenia uniflora L. is sensitive to ozone. <b>2021</b> , 769, 145080	4
296	LC-ESI-QTOF-MS/MS Profiling and Antioxidant Activity of Phenolics from Custard Apple Fruit and By-Products. <b>2021</b> , 8, 62	5
295	Mango rejects and mango waste: Characterization and quantification of phenolic compounds and their antioxidant potential. <b>2021</b> , 45, e15618	6
294	LC-ESI-QTOF-MS/MS Characterisation of Phenolics in Herbal Tea Infusion and Their Antioxidant Potential. <b>2021</b> , 7, 73	7
293	Comprehensive Profiling of Most Widely Used Spices for Their Phenolic Compounds through LC-ESI-QTOF-MS and Their Antioxidant Potential. <b>2021</b> , 10,	18
292	Counteractive Effects of Sugar and Strigolactone on Leaf Senescence of Rice in Darkness. <b>2021</b> , 11, 1044	4
291	Physicochemical characterization and antioxidant activity of hyaluronic acid produced by CCT 7546. <b>2021</b> , 1-10	1
290	Galactinol synthase gene 4 (CsGolS4) increases cold and drought tolerance in Cucumis sativus L. by inducing RFO accumulation and ROS scavenging. <b>2021</b> , 185, 104406	7
289	Analysis of phytochemical constituents, antibacterial, antioxidant, photoprotective activities and cytotoxic effect of leaves extracts and fractions of Aloe vera. <b>2021</b> , 33, 101991	2
288	L-Proline: An Effective Agent for Frozen and Post-thawed Donkey Semen Storage. <b>2021</b> , 101, 103393	1
287	Antioxidant and Antimicrobial Activities of the Extracts from Different Species. <b>2021</b> , 2021, 5542938	1
286	Optimization of Extraction Process and the Antioxidant Activity of Phenolics from. <b>2021</b> , 26,	3

285	Drying methods affect bioactive compound contents and antioxidant capacity of <i>Bletilla striata</i> (Thunb.) Reichb.f. flower. <b>2021</b> , 164, 113388	5
284	Sulfated modification, structures, antioxidant activities and mechanism of <i>Cyclocarya paliurus</i> polysaccharides protecting dendritic cells against oxidant stress. <b>2021</b> , 164, 113353	12
283	Chemical Characterization and Antioxidant Properties of Cell Wall Polysaccharides from <i>Antrodia cinnamomea</i> mycelia. <b>2021</b> , 41, 100932	0
282	Understanding the roles of osmolytes for acclimatizing plants to changing environment: a review of potential mechanism. <b>2021</b> , 16, 1913306	9
281	Preparation of molecularly imprinted polymer with class-specific recognition for determination of 29 sulfonyleurea herbicides in agro-products. <b>2021</b> , 1647, 462143	3
280	Characteristics, Chemical Analysis and Biological Activities of Methanol Extracts of Lichens <i>Pleurosticta acetabulum</i> and <i>Cladonia subulata</i> . <b>2021</b> ,	
279	Electron and proton transport in wheat exposed to salt stress: is the increase of the thylakoid membrane proton conductivity responsible for decreasing the photosynthetic activity in sensitive genotypes?. <b>2021</b> , 150, 195-211	12
278	Synthesis, crystal structure with free radical scavenging activity and theoretical studies of Schiff bases derived from 1-naphthylamine, 2,6-diisopropylaniline, and substituted benzaldehyde. <b>2021</b> , 12, 204-215	0
277	Comparison of selenium-induced antioxidant responses and bioaccumulation in two strains of the halotolerant alga <i>Dunaliella salina</i> . <b>2021</b> , 64, 275-287	
276	Proline metabolism and redox; maintaining a balance in health and disease. <b>2021</b> , 53, 1779-1788	1
275	Effect of thermal treatment on the antioxidant activity of egg white hydrolysate and the preparation of novel antioxidant peptides.	1
274	The Response of Halophyte ( <i>Tetragonia tetragonioides</i> (Pallas) Kuntz.) and Glycophyte ( <i>Lactuca sativa</i> L.) Crops to Diluted Seawater and NaCl Solutions: A Comparison between Two Salinity Stress Types. <b>2021</b> , 11, 6336	1
273	Protein Carbonylation: Emerging Roles in Plant Redox Biology and Future Prospects. <i>Plants</i> , <b>2021</b> , 10,	4-5 5
272	Carbohydrate and Amino Acid Dynamics during Grain Growth in Four Temperate Cereals under Well-Watered and Water-Limited Regimes. <b>2021</b> , 11, 1516	2
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270	Antioxidant properties of edible sea weed from the Northern Coast of the Sea of Japan. <b>2021</b> , 262-270	3
269	Investigation into the physical properties, antioxidant and antibacterial activity of <i>Bletilla striata</i> polysaccharide/chitosan membranes. <b>2021</b> , 182, 311-320	6
268	Fucoidan ameliorates acute and sub-chronic in vivo toxicity of the fungicide chlorothalonil in <i>Oreochromis niloticus</i> (Nile tilapia). <b>2021</b> , 245, 109035	1

267	The Osmolyte Ties That Bind: Genomic Insights Into Synthesis and Breakdown of Organic Osmolytes in Marine Microbes. 8,	0
266	Assessment on Hsocostic acid involvement in the biological activities of <i>Inula viscosa</i> aerial and roots parts. <b>2021</b> , 49, 976-976	
265	Proline metabolism as regulatory hub. <b>2021</b> ,	10
264	Investigation of chemical and biological properties of an acidic polysaccharide fraction from <i>Pleurotus eous</i> (Berk.) Sacc.. <b>2021</b> , 42, 101209	4
263	Physiology Response and Resistance Evaluation of Twenty Coconut Germplasm Resources under Low Temperature Stress. <b>2021</b> , 7, 234	1
262	Amelioration of thermal stress in crops by plant growth-promoting rhizobacteria. <b>2021</b> , 115, 101679	7
261	Biofabrication and characterization of cyanobacteria derived ZnO NPs for their bioactivity comparison with commercial chemically synthesized nanoparticles. <b>2021</b> , 113, 104999	4
260	Nutritional Improvement of Bean Sprouts by Using Chitooligosaccharide as an Elicitor in Germination of Soybean ( <i>Glycine max</i> L.). <b>2021</b> , 11, 7695	0
259	In vitro and in vivo antihypertensive and antioxidant activities of fermented roots of <i>Allium hookeri</i> . <b>2021</b> ,	1
258	The non-covalent interacting forces and scavenging activities to three free radicals involved in the caseinate-flavonol (kaempferol and quercetin) complexes. 1	0
257	Screening and Characterization of Phenolic Compounds from Australian Grown Bananas and Their Antioxidant Capacity. <b>2021</b> , 10,	11
256	Assessment on in vitro medicinal properties and chemical composition analysis of <i>Solanum virginianum</i> dried fruits. <b>2021</b> , 14, 103442	1
255	Comparative analysis of chemical constituents by HPLC-ESI-MS and antioxidant activities of <i>Dendrobium huoshanense</i> and <i>Dendrobium officinale</i> . <b>2021</b> , e5250	0
254	Anaerobic digestion of saline waste activated sludge and recovering raw sulfated polysaccharides. <b>2021</b> , 335, 125255	2
253	Moderate Salinity Stress Affects Expression of Main Sugar Metabolism and Transport Genes and Soluble Carbohydrate Content in Ripe Fig Fruits ( <i>L. cv. Dottato</i> ). <i>Plants</i> , <b>2021</b> , 10,	4-5 7
252	Disparity of the carotenoids antioxidant properties of wild-type and -transgenic strains under three environmental stresses. <b>2021</b> , 27, 2151-2163	1
251	Extraction Optimization of Polysaccharides From Corn Silk and Their Antioxidant Activities and. <b>2021</b> , 12, 738150	3
250	Phenological and physio-biochemical variations in <i>Salicornia brachiata</i> Roxb. under different soil and water treatments (salinity). <b>2021</b> , 174, 103429	

249	Multi-omics analyses on the response mechanisms of 'Shine Muscat' grapevine to low degree of excess copper stress (Low-ECS). <b>2021</b> , 286, 117278	3
248	Sulfation and characterization of polysaccharides from Oyster mushroom ( <i>Pleurotus ostreatus</i> ) extracted using subcritical water. <b>2022</b> , 179, 105412	0
247	Synthesis and characterization of silver nanoparticles using <i>Anabaena variabilis</i> as a potential antimicrobial agent. <b>2021</b> , 33, 829-841	7
246	Genetic engineering of ion transporters for osmotic stress tolerance. <b>2021</b> , 133-166	
245	A polysaccharide of PFP-1 from <i>Pleurotus geesteranus</i> attenuates alcoholic liver diseases via Nrf2 and NF- $\kappa$ B signaling pathways. <b>2021</b> , 12, 4591-4605	6
244	Improved heat tolerance in creeping bentgrass by $\beta$ -aminobutyric acid, proline, and inorganic nitrogen associated with differential regulation of amino acid metabolism. <b>2021</b> , 93, 231-242	4
243	Transporters and plant osmotic stress. <b>2021</b> , 307-344	0
242	Genetic engineering of legumes for abiotic stress tolerance. <b>2021</b> , 371-393	
241	Alteration in Carbohydrate Metabolism Modulates Thermotolerance of Plant under Heat Stress. <b>2020</b> , 77-115	9
240	Drought and saline stress. <b>2005</b> , 39-50	5
239	Low Temperature Stress in Plants: An Overview of Roles of Cryoprotectants in Defense. <b>2014</b> , 193-265	14
238	Importance of Protective Compounds in Stress Tolerance. <b>2014</b> , 265-284	2
237	Attenuation of Reactive Oxygen Production During Chilling in ABA-Treated Maize Cultured Cells. <b>2002</b> , 223-233	8
236	Towards the production of salt-tolerant crops. <b>1999</b> , 464, 77-89	7
235	Plant Water Relations. <b>1998</b> , 154-209	10
234	Salinity tolerance--mechanisms, models and the metabolic engineering of complex traits. <b>1998</b> , 20, 153-76	29
233	Regulation of Proline Accumulation and Its Molecular and Physiological Functions in Stress Defence. <b>2019</b> , 73-97	19
232	Exogenous Proline-Mediated Abiotic Stress Tolerance in Plants: Possible Mechanisms. <b>2019</b> , 99-121	8

231	Plant Water Relations. <b>2019</b> , 187-263	7
230	Role of Osmolytes in the Mechanisms of Antioxidant Defense of Plants. <b>2020</b> , 95-117	6
229	Drought and Salt Stress in Cereals. <b>2015</b> , 1-31	6
228	Plant Water Relations. <b>1993</b> , 102-133	1
227	Responses to Salt Stress in the Halophyte Mesembryanthemum Crystallinum. <b>1994</b> , 415-428	5
226	Growth enhancement in two potential cereal crops, maize and wheat, by exogenous application of glycinebetaine. <b>2008</b> , 21-35	9
225	Oxidative Stress in Plants and Its Management. <b>2014</b> , 227-253	8
224	Inhibition of Mitochondrial Electron Transport Is the Prime Cause Behind Proline Accumulation during Mineral Deficiency in Oryza Sativa. <b>1993</b> , 689-692	1
223	Proline in relation to free radical production in seedlings of Brassica juncea raised under sodium chloride stress. <b>1993</b> , 731-734	2
222	Ethylene Synthesis and a Role in Plant Responses to Different Stressors. <b>1997</b> , 207-216	7
221	Metabolic engineering of lactic acid bacteria for the production of nutraceuticals. <b>2002</b> , 217-235	12
220	Physiological Responses of Vascular Plants to Heavy Metals. <b>2002</b> , 149-177	40
219	Proline Accumulation in Heavy Metal Stressed Plants: An Adaptive Strategy. <b>2002</b> , 179-199	21
218	Plant Responses to Inadequate and Toxic Micronutrient Availability: General and Nutrient-Specific Mechanisms. <b>1999</b> , 311-326	4
217	Proline Accumulation and Oxidative Stress: Diverse Roles and Mechanism of Tolerance and Adaptation Under Salinity Stress. <b>2019</b> , 269-300	4
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