

CITATION REPORT

List of articles citing

Determinations of total carotenoids and chlorophylls a and b of leaf extracts in different solvents

DOI: 10.1042/bst0110591

Biochemical Society Transactions, 1983, 11, 591-592.

Source: <https://exaly.com/paper-pdf/16373450/citation-report.pdf>

Version: 2024-04-28

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

#	Paper	IF	Citations
2266	Surface-Modified Zinc Oxide Nanoparticles for Antialgal and Antiyeast Applications.		
2265	Changes in plastid ultrastructure and fluctuations of cellular isoprenoid and carbohydrate compounds during continued etiolation of dark-grown oat seedlings. 1983 , 59, 347-354		6
2264	Formation of Chlorophyll-carotenoid-protein Complexes in Cereal Plastids during Greening and Normal Light-grown Development. 1983 , 178, 433-442		4
2263	Nitrogen Compounds. 1984 , 176-221		6
2262	ION CHROMATOGRAPHIC DETERMINATION OF LEVELS OF ANIONS IN PLASTIDS FROM FUMIGATED AND NON-FUMIGATED BARLEY SEEDLINGS. 1985 , 100, 329-339		17
2261	Inhibition of chlorophyll synthesis in <i>Hordeum vulgare</i> by 3-amino 2,3-dihydrobenzoic acid (gabaculin). 1985 , 5, 775-81		59
2260	Photosynthesis and chloroplast functioning within individual pustules of <i>Uromyces muscari</i> on bluebell leaves. 1985 , 27, 387-400		28
2259	Pigment content and leaf plastid ultrastructure in the tomato mutant lutescent-2. 1985 , 118, 297-307		4
2258	Photolability of Thylakoid Polypeptides during Photoinhibition in vitro. 1986 , 122, 187-192		3
2257	Remote Detection of Forest Damage. 1986 , 36, 439-445		242
2256	Effect of light intensity on pigments and main acyl lipids during 'natural' chloroplast development in wheat seedlings. 1986 , 8, 133-47		9
2255	Prolamellar-body structure, composition of molecular species and amount of galactolipids in etiolated, greening and reetiolated primary leaves of oat, wheat and rye. 1986 , 168, 453-60		4
2254	Leaf respiration during early plastidogenesis in light-grown barley seedlings. 1986 , 68, 100-106		14
2253	Recovery after Chilling: An Assessment of Chill-Tolerance in <i>Phaseolus</i> spp.. 1987 , 38, 691-701		12
2252	[15] Isolation of intact chloroplasts: General principles and criteria of integrity. 1987 , 145-157		49
2251	[34] Chlorophylls and carotenoids: Pigments of photosynthetic biomembranes. 1987 , 148, 350-382		6484
2250	Photoautotrophic Suspension Cultures I-Obtention of Photoautotrophic Cultures from <i>Euphorbia characias</i> L.. 1987 , 128, 11-19		18

2249	Chloroplast superoxide and hydrogen peroxide scavenging systems from pea leaves: Seasonal variations. 1987 , 50, 105-109	107
2248	Characterization of two chlorophyll b-deficient, azide-derived mutants of <i>Hordeum vulgare</i> cv. Maris Mink. 1987 , 12, 95-103	0
2247	Studies into the action of the diphenyl ether herbicides acifluorfen and oxyfluorfen. Part I: Activation by light and oxygen in leaf tissue. 1987 , 19, 19-24	14
2246	DEVELOPMENT OF SYMPTOMS OF BROWN RUST OF BARLEY IN RELATION TO THE DISTRIBUTION OF FUNGAL MYCELIUM, STARCH ACCUMULATION AND LOCALIZED CHANGES IN THE CONCENTRATION OF CHLOROPHYLL. 1987 , 107, 103-117	33
2245	Photoacoustic spectra of needles as an indicator of the activity of the photosynthetic apparatus of healthy and damaged conifers. 1987 , 70, 427-437	28
2244	Sterols and steryl glycosides of oats (<i>Avena sativa</i>). Distribution in the leaf tissue and medium-induced glycosylation of sterols during protoplast isolation. 1987 , 70, 610-616	16
2243	Pigment analysis and spectral assessment of spruce trees undergoing forest decline in the NE United States and Germany. 1988 , 17, 173-178	8
2242	Oxygen exchange during growth of photomixotrophic cell suspensions of <i>Euphorbia characias</i> L.. 1988 , 12, 243-251	13
2241	The effect of red and far-red light on proton secretion from mesophyll-cell protoplasts of <i>Vicia faba</i> L. 1988 , 173, 42-5	4
2240	Correlation between pigment composition and apoproteins of the light-harvesting complex II (LHC II) in wheat (<i>Triticum aestivum</i>). 1988 , 74, 342-348	14
2239	Glutathione synthetase in tobacco suspension cultures: catalytic properties and localization. 1988 , 72, 70-76	94
2238	Effect of long-term H ₂ S fumigation on photosynthesis in spinach. Correlation between CO ₂ fixation and chlorophyll a fluorescence. 1988 , 72, 77-83	17
2237	Metabolism and translocation of nitrogen in two <i>Lolium perenne</i> populations with contrasting rates of mature leaf respiration and yield. 1988 , 72, 631-636	30
2236	Structural and ultrastructural disorders in cadmium-treated bush bean plants (<i>Phaseolus vulgaris</i> L.). 1988 , 108, 37-49	152
2235	Use of carotenoid ratios, ethylene emissions and buffer capacities for the early diagnosis of forest decline. 1988 , 109, 85-95	49
2234	High-performance liquid chromatography of chloroplast pigments. 1988 , 448, 411-416	50
2233	Comparison of in situ and airborne spectral measurements of the blue shift associated with forest decline. 1988 , 24, 109-127	268
2232	Prolamellar bodies of oat, wheat, and rye: Structure, lipid composition, and adsorption of saponins. 1988 , 146, 1-9	6

2231	Responses of field-grown <i>Medicago sativa</i> L. to acidic fog and ambient ozone. 1988 , 54, 97-107	5
2230	Photosynthetic Functioning and Ultrastructure of Chloroplasts in Stem Tissues of <i>Fagus sylvatica</i> . 1988 , 132, 731-737	41
2229	Primary Site of Action of Amitrole in <i>Arabidopsis thaliana</i> Involves Inhibition of Root Elongation but Not of Histidine or Pigment Biosynthesis. 1989 , 91, 1226-31	19
2228	Mode of Action Studies on Nitrodiphenyl Ether Herbicides : II. The Role of Photosynthetic Electron Transport in <i>Scenedesmus obliquus</i> . 1989 , 89, 674-80	14
2227	Chlorophyll Synthesis from Protochlorophyll(ide) in Chill-Stressed Maize (<i>Zea mays</i> L.). 1989 , 40, 431-435	10
2226	Biotransformation of geraniol by photoautotrophic, photomixotrophic and heterotrophic plant cell suspensions. 1989 , 28, 1087-1090	25
2225	Establishment and characterization of photoautotrophic protoplast-derived cultures of <i>Nicotiana glumbaginifolia</i> . 1989 , 8, 234-7	8
2224	Cell division arrest by gamma-irradiation in photoautotrophic suspension culture of <i>Euphorbia characias</i> : Maintenance of photosynthetic capacity and overaccumulation of sucrose. 1989 , 19, 141-149	7
2223	Catabolism of chlorophyll in vivo: significance of polar chlorophyll catabolites in a non-yellowing senescence mutant of <i>Festuca pratensis</i> Huds.. 1989 , 111, 3-8	67
2222	Analysis of specific leaf area and photosynthesis of two inbred lines of <i>Plantago major</i> differing in relative growth rate. 1989 , 113, 283-290	51
2221	Porphyrin metabolism in chill-stressed seedlings of Scots pine (<i>Pinus sylvestris</i>). 1989 , 77, 620-624	10
2220	The chlorophyll ab complex, CP29, is associated with the Photosystem II reaction centre core. 1989 , 974, 180-184	44
2219	Physiological responses of field-grown strawberry (<i>Fragaria</i> [Ananassa] duch.) exposed to acidic fog and ambient ozone. 1989 , 29, 379-386	6
2218	Effects of open-top fumigations with SO ₂ , NO ₂ and ozone on the native herb layer of a beech forest. 1989 , 29, 199-213	11
2217	Acid mist and ozone effects on the leaf chemistry of two western conifer species. 1989 , 57, 9-26	20
2216	Physiological disorders of the nicotianamine-auxotroph tomato mutant <i>chloronerva</i> at different levels of iron nutrition. I. Growth characteristics and physiological abnormalities related to iron and nicotianamine supply. 1989 , 38, 147-153	41
2215	Relation between relative growth rate, endogenous gibberellins, and the response to applied gibberellic acid for <i>Plantago major</i> . 1990 , 79, 629-34	34
2214	RESPONSE OF LIGHT-GROWN WILD-TYPE and LONG HYPOCOTYL MUTANT CUCUMBER PLANTS TO END-OF-DAY FAR-RED LIGHT. 1990 , 52, 143-149	44

2213	γ-Glutamylcysteine synthetase in higher plants: catalytic properties and subcellular localization. 1990 , 180, 603-12	213
2212	Response of light-grown wild-type and aurea-mutant tomato plants to end-of-day far-red light. 1990 , 4, 391-405	32
2211	PROSPECT: A model of leaf optical properties spectra. 1990 , 34, 75-91	1419
2210	Chlorophylls in foods. 1990 , 29, 1-17	95
2209	Breakdown of Chlorophyll in Chloroplasts of Senescent Barley Leaves Depends on ATP. 1990 , 136, 564-568	39
2208	A Novel Type of Chlorophyll Catabolite in Senescent Barley Leaves. 1990 , 136, 161-165	54
2207	Free amino acid level and composition in mesophyll, epidermis and protoplasts: effect of light. 1990 , 137, 36-40	1
2206	Chlorophyll, carotenoids and the activity of the xanthophyll cycle. 1990 , 68, 293-303	23
2205	Influence of soil substrate and ozone plus acid mist on the pigment content and composition of needles from young Norway spruce trees. 1990 , 64, 295-312	29
2204	Effects of photochemical smog and mineral nutrition on ponderosa pine seedlings. 1990 , 67, 233-48	9
2203	Paraffinic hydrocarbons in heterotrophic, photomixotrophic and photoautotrophic cell suspensions of <i>Euphorbia characias</i> L.. 1990 , 71, 93-98	13
2202	Effect of triazole fungicides on the growth, chloroplast pigments and sterol biosynthesis of maize (<i>Zea mays</i> L.). 1990 , 66, 21-28	17
2201	Atmospheric Ozone Interacts with Stress Ethylene Formation by Plants to Cause Visible Plant Injury. 1991 , 42, 17-24	70
2200	Effect of foliar applications of silver nitrate and ear removal on carbon dioxide assimilation in wheat flag leaves during grain-filling. 1991 , 28, 149-162	15
2199	Effects of Usnic Acid on the Oxygen Exchange Properties of Mesophyll Cell Protoplasts from <i>Commelina communis</i> L.. 1991 , 139, 90-94	18
2198	Influence of 1,10-phenanthroline, a photodynamic herbicide, on the ultrastructure of mesophyll cells and photosynthetic activity in greening pea seedlings. 1991 , 31, 385-395	4
2197	Leaf photosynthetic and water relations responses for "Valencia" orange trees exposed to oxidant air pollution. 1991 , 31, 427-436	9
2196	Metabolism of radiolabelled galactolipids in senescent barley leaves. 1991 , 78, 199-206	60

2195	Identification of a gene in <i>Arabidopsis thaliana</i> that controls resistance to <i>Xanthomonas campestris</i> pv. <i>campestris</i> . 1991 , 38, 57-65	37
2194	Relation between Extractable Chlorophyll and Portable Chlorophyll Meter Readings in Leaves of Eight Tropical and Subtropical Fruit-Tree Species. 1991 , 138, 674-677	87
2193	DESICCATION OR FREEZING? MECHANISMS OF WINTER INJURY TO RED SPRUCE FOLIAGE. 1991 , 78, 1207-1217	11
2192	Application of principal component analysis to ripening indices for wine grapes. 1991 , 4, 245-255	19
2191	Orientation and thermal deactivation of pigments in thylakoid membranes lacking the light-harvesting complexes. 1991 , 9, 61-73	6
2190	Seasonal changes in the pigments of Norway spruce, <i>Picea abies</i> (L.) Karst, and the influence of summer ozone exposures. 1991 , 119, 251-259	40
2189	Superoxide dismutase activity in needles of Scots pine and Norway spruce under field and chamber conditions: lack of ozone effects. 1991 , 117, 335-343	17
2188	Physiological indicators of nitrogen response in a short rotation sycamore plantation. I. CO ₂ assimilation, photosynthetic pigments and soluble carbohydrates. 1991 , 82, 117-126	13
2187	Using Antisense RNA to Study Gene Function: Inhibition of Carotenoid Biosynthesis in Transgenic Tomatoes. 1991 , 9, 635-639	80
2186	Chromium III-iron interaction in Fe-deficient and Fe-sufficient bean plants. I. Growth and nutrient content. 1991 , 14, 403-414	77
2185	Physiological Changes in <i>Phaseolus vulgaris</i> in Response to Long-term Ozone Exposure. 1992 , 69, 123-133	37
2184	In situ carbon dioxide levels in cushion and turf forms of <i>Grimmia antarctici</i> at Casey Station, East Antarctica. 1992 , 17, 241-249	22
2183	Alterations in Photosystem II Organization by Cobalt Treatment in the Cyanobacterium <i>Spirulina platensis</i> . 1992 , 1, 61-63	4
2182	A reappraisal of the use of DMSO for the extraction and determination of chlorophylls a and b in lichens and higher plants. 1992 , 32, 85-100	548
2181	Photosynthesis in green-islands on powdery mildewinfected barley leaves. 1992 , 40, 31-38	17
2180	Remotely measured canopy temperature of greenhouse strawberries as indicator of water status and yield under mild and very mild water stress conditions. 1992 , 58, 63-77	32
2179	CO ₂ exchange rates of red spruce during the second season of exposure to ozone and acidic cloud deposition. 1992 , 32, 115-124	5
2178	Magnesium deficiency and high light intensity enhance activities of superoxide dismutase, ascorbate peroxidase, and glutathione reductase in bean leaves. 1992 , 98, 1222-7	1107

2177	Production and release of a chlorophyll catabolite in isolated senescent chloroplasts. 1992 , 187, 230-5	74
2176	Effects of 6-difluoromethylornithine on photosynthetic oxygen evolution, respiration and polyamine concentrations in detached barley leaves. 1992 , 34, 75-79	2
2175	Time-resolving luminescence techniques for possible detection of forest decline. II. Picosecond chlorophyll fluorescence. 1992 , 31, 73-81	7
2174	Physiological effects of a long term exposure to low concentrations of NH ₃ , NO ₂ and SO ₂ on Douglas fir (<i>Pseudotsuga menziesii</i>). 1992 , 86, 559-567	18
2173	Field studies on Norway spruce trees at high altitudes. 1992 , 121, 89-99	46
2172	Magnesium deficiency enhances resistance to paraquat toxicity in bean leaves. 1992 , 15, 955-960	17
2171	Free radical formation in chloroplasts. Methyl viologen action. 1992 , 12, 375-387	16
2170	Fatty acid patterns of neutral lipids from seeds, leaves and cell suspension cultures of <i>Euphorbia characias</i> . 1992 , 31, 2351-2353	5
2169	Nondestructive assessment of chlorophyll content in watercress leaves by a tristimulus reflectance colorimeter. 1992 , 2, 117-124	35
2168	Comparison of chlorophyll fluorescence quenching in leaves of wild-type with a chlorophyll-b-less mutant of barley (<i>Hordeum vulgare</i> L.). 1993 , 19, 217-225	41
2167	High resolution spectroradiometry: Spectral reflectance of field bean leaves infected by <i>Botrytis fabae</i> . 1993 , 45, 107-116	117
2166	Candidate high spectral resolution infrared indices for crop cover. 1993 , 46, 204-212	27
2165	Growth, physiology, and nutrition of loblolly pine seedlings stressed by ozone and acidic precipitation: A summary of the ropis-south project. 1993 , 69, 363-391	24
2164	Enhancement of symbiotic nitrogen fixation by vitamin-secreting fluorescent <i>Pseudomonas</i> . 1993 , 154, 211-217	54
2163	Effect of fuel oil and dispersant on cell cycle and macromolecular synthesis in the chlorococcal alga <i>Scenedesmus armatus</i> . 1993 , 117, 347-353	7
2162	Relationships between carotenoid composition and growth habit in British plant species. 1993 , 16, 681-686	71
2161	Needle chlorosis in Sitka spruce following a three-year exposure to low concentrations of ozone: changes in mineral content, pigmentation and ascorbic acid. 1993 , 124, 265-275	36
2160	The effect of industrial air pollution on chlorophyll fluorescence and pigment contents of Scots pine (<i>Pinus sylvestris</i>) needles. 1993 , 23, 353-361	10

2159	Foliar gas exchange responses of two deciduous hardwoods during 3 years of growth in elevated CO ₂ : no loss of photosynthetic enhancement. 1993 , 16, 797-807	153
2158	The effects of enhanced ozone and enhanced carbon dioxide concentrations on biomass, pigments and antioxidative enzymes in spruce needles (<i>Picea abies</i> L.). 1993 , 16, 311-316	98
2157	Microbiology of ornithogenic soils from the windmill islands, budd coast, continental Antarctica: Microbial biomass distribution. 1993 , 25, 165-175	45
2156	UV-absorbing pigments, photosynthesis and UV exposure in Antarctica: comparison of terrestrial and marine algae. 1993 , 45, 231-243	81
2155	Chromium toxicity in <i>Salvia sclarea</i> Effects of hexavalent chromium on seed germination and seedling development. 1993 , 33, 405-413	36
2154	Photoinduced Damage in Leaf Segments of Wheat (<i>Triticum aestivum</i> L.) and Lettuce (<i>Lactuca sativa</i> L.) Treated with 5-Aminolevulinic Acid I. Effect on Structural Components of the Photosynthetic Apparatus. 1993 , 142, 230-236	12
2153	In vivo Response of Photosynthetic Apparatus of <i>Phaseolus vulgaris</i> L. to Nickel Toxicity. 1993 , 142, 664-668	77
2152	Photoinduced Damage in Leaf Segments of Wheat (<i>Triticum aestivum</i> L.) and Lettuce (<i>Lactuca sativa</i> L.) Treated with 5-Aminolevulinic Acid II. Characterization of Photodynamic Damage by Means of Delayed Chlorophyll Fluorescence and P700 Photooxidation. 1993 , 142, 237-243	9
2151	Effects of acidic fog on seedlings of <i>Pinus ponderosa</i> and <i>Abies concolor</i> : foliar injury, physiological and biochemical responses. 1993 , 79, 235-41	5
2150	Branch growth and leaf gas exchange of <i>Populus tremula</i> exposed to low ozone concentrations throughout two growing seasons. 1993 , 79, 1-7	62
2149	Identification of Catabolites of Chlorophyll-Porphyrin in Senescent Rape Cotyledons. 1993 , 102, 521-527	78
2148	The post-harvest ripening of water stressed banana fruits. 1994 , 69, 799-804	20
2147	Characterization of the short needle phenomenon in red spruce. 1994 , 81, 461-465	
2146	Manipulation of glutathione reductase in transgenic plants: implications for plants' responses to environmental stress. 1994 , 102, 167-175	10
2145	Control of Leaf and Chloroplast Development by the Arabidopsis Gene <i>pale cress</i> . 1994 , 6, 1253	2
2144	The action of 2, 21 and 100% of oxygen on primary photochemistry of photosystem II (PS II), biosynthesis of pigments and carbon dioxide fixation by etiolated bean leaves during greening. 1994 , 102, 75-80	
2143	Iron-dependent changes of heavy metals, nicotianamine, and citrate in different plant organs and in the xylem exudate of two tomato genotypes. Nicotianamine as possible copper translocator. 1994 , 165, 189-196	110
2142	Carotenoid composition and its relationship to chlorophyll and D1 protein during leaf development in a normally senescing cultivar and a stay-green mutant of <i>Festuca pratensis</i> . 1994 , 37, 1257-1262	18

2141	Changes in carotenoids but not in D1 protein in response to nitrogen depletion and recovery in a cyanobacterium. 1994 , 116, 341-347	13
2140	Integration of nuclear-encoded proteins into pea thylakoids with different pigment contents. 1994 , 91, 212-218	11
2139	Stay-green genotypes of <i>Phaseolus vulgaris</i> L.: chloroplast proteins and chlorophyll catabolites during foliar senescence. 1994 , 126, 593-600	54
2138	Invertase: understanding changes in the photosynthetic and carbohydrate metabolism of barley leaves infected with powdery mildew. 1994 , 126, 213-222	131
2137	Sulphate and antioxidants in needles of Scots pine (<i>Pinus sylvestris</i> L.) from three SO ₂ -polluted field sites in eastern Germany. 1994 , 127, 571-577	20
2136	Effect of magnesium-deficiency on antioxidative systems in needles of Norway spruce [<i>Picea abies</i> (L.) Karst.] grown with different ratios of nitrate and ammonium as nitrogen sources. 1994 , 128, 621-628	30
2135	Chlorophyll development in mature lysigenous and schizogenous root aerenchymas provides evidence of continuing cortical cell viability. 1994 , 126, 493-497	26
2134	Effect of atmospheric ammonia on the nitrogen metabolism of Scots pine (<i>Pinus sylvestris</i>) needles. 1994 , 90, 629-636	45
2133	Physiological effects of five months exposure to low concentrations of O ₃ and NH ₃ on Douglas fir (<i>Pseudotsuga menziesii</i>). 1994 , 92, 140-148	14
2132	Gas exchange and growth responses to elevated CO ₂ and light levels in the CAM species <i>Opuntia ficus-indica</i> . 1994 , 17, 935-944	31
2131	Interacting effects of CO ₂ concentration, temperature and nitrogen supply on the photosynthesis and composition of winter wheat leaves. 1994 , 17, 1205-1213	105
2130	Direct absorption of water by hairy leaves of <i>Phlomis fruticosa</i> and its contribution to drought avoidance. 1994 , 72, 1805-1811	85
2129	The effect of oxygen concentration on chloroplast development, chlorophyll synthesis and starch accumulation in etiolated bean seedlings upon illumination. 1994 , 34, 153-163	6
2128	Effect of free-air CO ₂ enrichment on the chlorophyll content of cotton leaves. 1994 , 70, 163-169	16
2127	The Spectral Determination of Chlorophylls a and b, as well as Total Carotenoids, Using Various Solvents with Spectrophotometers of Different Resolution. 1994 , 144, 307-313	3078
2126	Evaluation of Components of Oxidative Stress Metabolism for Use in Selection of Drought Tolerant Cultivars of <i>Nicotiana tabacum</i> L.. 1994 , 143, 730-737	66
2125	Light and Temperature Control of Season-Dependent Changes in the β -Carotene Content of Spruce Needles. 1994 , 143, 488-494	34
2124	High temperature, darkness, and drought predispose black spruce seedlings to gray mold. 1994 , 72, 135-142	15

2123	Seasonal Changes of the Antioxidative Systems in Foliar Buds and Leaves of Field-grown Beech Trees (<i>Fagus sylvatica</i> , L.) in a Stressful Climate. 1995 , 108, 314-320	28
2122	Regional variation in nitrogen, protein and chlorophyll concentration in <i>Dicranum majus</i> â reciprocal transplantation experiment. 1995 , 18, 425-437	10
2121	Carbohydrate Accumulation Affects the Redox State of Ascorbate in Detached Tobacco Leaves. 1995 , 108, 432-438	8
2120	Impact of shoot maturity on chlorophyll content, composition of volatile flavour compounds and plain black tea chemical quality parameters of clonal leaf. 1995 , 69, 529-534	18
2119	Effect of Cd and UV-B radiation on polypeptide composition and photosystem activities of <i>Vigna unguiculata</i> chloroplasts. 1995 , 37, 437	10
2118	Time-resolved chlorophyll fluorescence of spruce needles under various light conditions. 1995 , 5, 155-8	1
2117	The in vitro assembly of the NADPH-protochlorophyllide oxidoreductase in pea chloroplasts. 1995 , 29, 317-30	25
2116	Far-red light-insensitive, phytochrome A-deficient mutants of tomato. 1995 , 246, 133-41	94
2115	Enhanced UV-B radiation alleviates the adverse effects of summer drought in two Mediterranean pines under field conditions. 1995 , 94, 37-44	54
2114	Leaf development in <i>Lolium temulentum</i> L.: photosynthesis in relation to growth and senescence. 1995 , 130, 159-168	33
2113	Effect of infestation by aphids on the water status of barley and insect development. 1995 , 40, 1083-1088	32
2112	Effects of nitrogen supply and irradiance on growth and nitrogen status in the moss <i>Dicranum majus</i> from differently polluted areas. 1995 , 18, 707-721	10
2111	Perturbations of the normal UV-B radiation environment alter leaf growth rates in <i>Phlomis fruticosa</i> L. seedlings. 1995 , 35, 371-377	17
2110	Low light intensity predisposes black spruce seedlings to infection by <i>Botrytis cinerea</i> . 1995 , 17, 13-18	11
2109	Summer survival of leaves in a soft-leaved shrub (<i>Phlomis fruticosa</i> L., Labiatae) under Mediterranean field conditions: avoidance of photoinhibitory damage through decreased chlorophyll contents. 1995 , 46, 1825-1831	158
2108	Association of High Light and Zinc Deficiency in Cold-induced Leaf Chlorosis in Grapefruit and Mandarin Trees. 1995 , 146, 355-360	42
2107	Short-term effects of high light intensities on soybean nodule activity and photosynthesis. 1996 , 36, 349-357	4
2106	Effects of atmospheric CO ₂ enrichment on chlorophyll and nitrogen concentrations of sour orange tree leaves. 1996 , 36, 323-331	21

2105	Effect of ethylene on degreening of intact radish (<i>Raphanus sativus</i> L.) cotyledons. 1996 , 65, 1-9	5
2104	Differences in responses to urban air pollutants by <i>Ligustrum lucidum</i> Ait. and <i>Ligustrum lucidum</i> Ait. f. <i>tricolor</i> (Rehd.) Rehd. 1996 , 93, 211-8	37
2103	Time-Resolved Chlorophyll Fluorescence of Spruce Needles after Different Light Exposure. 1996 , 148, 593-598	7
2102	Different susceptibility of runner bean plants to excess copper as a function of the growth stages of primary leaves. 1996 , 149, 217-221	52
2101	Destabilization of the Antenna Complex LHC II During Needle Yellowing of a Mg-Deficient Spruce Tree Exposed to Ozone Pollution – Comparison With Other Types of Yellowing. 1996 , 148, 195-202	6
2100	Changes in levels of foliar carbohydrates and myo-inositol before premature leaf senescence of <i>Populus nigra</i> induced by a mixture of O ₃ and SO ₂ . 1996 , 74, 965-970	12
2099	Growth and water relations of diverse populations of <i>Lolium perenne</i> exposed to drought in field, glasshouse and controlled environment. 1996 , 126, 15-23	3
2098	<i>Alnus incana</i> response on treatment with fluorescent <i>Pseudomonas</i> sp. strain 267. 1996 , 36, 327-333	2
2097	Phenmedipham – Ozone Pollution Interactions in Sugarbeet (<i>Beta vulgaris</i> L. cv. Saxon): A Physiological Study. 1996 , 46, 381-390	3
2096	Photochemical and non-photochemical energy dissipation in response to 5-aminolaevulinic acid-induced photosensitization of green leaves of wheat (<i>Triticum aestivum</i> L.) and lettuce (<i>Lactuca sativa</i> L.). 1996 , 32, 115-126	3
2095	Characterization of a novel drought-induced 34-kDa protein located in the thylakoids of <i>Solanum tuberosum</i> L. plants. 1996 , 198, 471-9	68
2094	CLA1, a novel gene required for chloroplast development, is highly conserved in evolution. 1996 , 9, 649-58	257
2093	Comparison of five media for the axenic culture of <i>Myriophyllum sibiricum</i> Komarov. 1996 , 340, 17-22	12
2092	Copper toxicity in young maize (<i>Zea mays</i> L.) plants: effects on growth, mineral and chlorophyll contents, and enzyme activities. 1996 , 182, 287-300	162
2091	Long-term drought stress induces structural and functional reorganization of photosystem II. 1996 , 199, 118-125	148
2090	Investigating microclimatic influences on ozone injury in clover (<i>Trifolium subterraneum</i>) using artificial neural networks. 1996 , 132, 271-280	54
2089	Ammonia compensation points in two cultivars of <i>Hordeum vulgare</i> L. during vegetative and generative growth. 1996 , 19, 1299-1306	63
2088	Effects of air temperature, photoperiod and leaf age on foliar senescence of western larch (<i>Larix occidentalis</i> Nutt.) in environmentally controlled chambers. 1996 , 19, 1057-1065	20

2087	The effect of Albugo Candida (white blister rust) on the photosynthetic and carbohydrate metabolism of leaves of Arabidopsis thaliana. 1996 , 19, 967-975	44
2086	The effect of long-term ozone fumigation on the growth, physiology and frost sensitivity of Calluna vulgaris. 1996 , 133, 503-511	29
2085	Effects of low temperature, high salinity and exogenous ABA on the synthesis of two chloroplastic drought-induced proteins in Solanum tuberosum. 1996 , 97, 123-131	37
2084	Growth and pigment production in two subarctic grass species under four different UV-B irradiation levels. 1996 , 97, 701-707	39
2083	Nitrogen allocation in response to partial shading of a plant: Possible mechanisms. 1996 , 98, 571-577	28
2082	Gliocladium roseum reduces physiological changes associated with infection of black spruce seedlings by Botrytis cinerea. 1996 , 18, 7-13	8
2081	The impact of ozone on the (15)n incorporation and nitrogen assimilation of wheat and maize. 1996 , 32, 181-90	8
2080	MANGANESE TOXICITY IN ECHINOCHLOA COLONA: EFFECTS OF DIVALENT MANGANESE ON GROWTH AND DEVELOPMENT. 1997 , 45, 9-12	7
2079	Influence of cesium on tetrapyrrole biosynthesis in etiolated and greening barley leaves. 1997 , 99, 160-168	1
2078	The Effects of Enhanced UV-B Radiation on the Mediterranean Evergreen Sclerophyll Nerium oleander Depend on the Extent of Summer Precipitation. 1997 , 24, 301	20
2077	Photosynthetic decline and pigment loss during autumn foliar senescence in western larch (Larix occidentalis). 1997 , 17, 767-75	49
2076	Effects of different forms of nitrogen supply on the gas exchange of young pedunculate oaks (Quercus robur L.). 1997 , 160, 209-215	4
2075	Differential effects of linolenic acid and methyl jasmonate on the degradation of chlorophylls and carotenoids of senescing barley leaves. 1997 , 46, 303-314	3
2074	Effect of Temperature on Glycoalkaloid and Chlorophyll Accumulation in Potatoes (Solanum tuberosum L. Cv. King Edward) Stored at Low Photon Flux Density, Including Preliminary Modeling Using an Artificial Neural Network. 1997 , 45, 1032-1038	20
2073	Effect of simulated acid fog on needles of fir seedlings. 1997 , 38, 155-163	19
2072	Mung bean seedlings as bio-indicators for soil and water contamination by cadmium. 1997 , 203, 183-197	15
2071	Response of plant yield and leaf pigments to saline conditions: Effectiveness of different rootstocks in melon plants (Cucumis melo L.). 1997 , 43, 855-862	80
2070	Photosynthetic ability of in vitro grown coconut (Cocos nucifera L.) plantlets derived from zygotic embryos. 1997 , 127, 39-51	19

2069	Differences in sensitivity of the photosynthetic apparatus in Cd-stressed runner bean plants in relation to their age. 1997 , 128, 11-21	83
2068	Homophytochelatins accumulation in Cd-treated runner bean plants is related to their growth stage. 1997 , 129, 21-28	25
2067	CO ₂ exchanges and nutrient uptake during multiplication and rooting of micropropagated <i>Juglans regia</i> plantlets. 1997 , 124, 107-116	9
2066	Influence of glutamic acid and 2,2'-Dipyridyl on the protochlorophyllide and protoporphyrin IX accumulation and their photodynamic action in green monocotyledons and dicotyledons. 1997 , 150, 57-62	3
2065	Development of photosynthetic characteristics in oil palm during in vitro micropropagation. 1997 , 150, 520-527	37
2064	Physiological characterization of exaggerated-photoresponse mutants of tomato. 1997 , 150, 578-587	28
2063	Seasonal variation of gas exchange and pigmentation in branches of three grafted clones of mature <i>ponderosa</i> pine exposed to ozone and acid rain. 1997 , 97, 253-63	16
2062	Influence of cesium on tetrapyrrole biosynthesis in etiolated and greening barley leaves. 1997 , 99, 160-168	18
2061	Leaf senescence in a non-yellowing mutant of <i>Festuca pratensis</i> : implications of the stay-green mutation for photosynthesis, growth and nitrogen nutrition. 1997 , 20, 1007-1018	42
2060	The transiently pubescent young leaves of plane (<i>Platanus orientalis</i>) are deficient in photodissipative capacity. 1997 , 101, 373-378	36
2059	Influence of photodynamic processes induced by 2,2'-dipyridyl on the enzymatic system of chlorophyll biosynthesis. 1997 , 34, 555-560	3
2058	Changes of the photosystem 2 activity and thylakoid proteins in spruce seedlings during water stress. 1997 , 34, 201-210	11
2057	Stress induced injury and antioxidant enzymes in relation to drought tolerance in wheat genotypes. 1997 , 39, 357-364	55
2056	Ultraviolet-B radiation effects on the Mediterranean ruderal <i>Dittrichia viscosa</i> . 1997 , 128, 109-112	10
2055	Pigment changes in Norway spruce induced by dust pollution. 1997 , 94, 247-258	41
2054	A suicide vector for allelic recombination involving the gene for glutamate 1-semialdehyde aminotransferase in the cyanobacterium <i>Synechococcus</i> PCC 7942. 1997 , 255, 392-9	5
2053	Exploring Chemical Variables in <i>Ligustrum lucidum</i> Ait. F. Tricolor (Rehd.) Rehd. in Relation to Air Pollutants and Environmental Conditions. 1997 , 21, 793-801	1
2052	Prolonged leaf senescence in <i>Clusia multiflora</i> H.B.K.. 1997 , 11, 370-377	2

2051	Acclimation of photosynthesis to irradiance and spectral quality in British plant species: chlorophyll content, photosynthetic capacity and habitat preference. 1997 , 20, 438-448	257
2050	Evidence that ozone exposure increases the susceptibility of plants to natural frosting episodes. 1997 , 135, 369-374	7
2049	Multispecies toxicity assessment of compost produced in bioremediation of an explosives-contaminated sediment. 1997 , 16, 2529-2537	43
2048	Correlation Between Environmental Conditions and Foliar Chemical Parameters in <i>Ligustrum lucidum</i> Ait. Exposed to Urban Air Pollutants. 1997 , 49, 167-181	20
2047	Enhanced UV-B radiation increases the reproductive effort in the Mediterranean shrub <i>Cistus creticus</i> under field conditions. 1998 , 134, 91-96	20
2046	Photomorphogenetic responses to UV radiation and short-term red light in lettuce seedlings. 1998 , 26, 73-76	18
2045	Action of Mercury on the Photosynthetic Apparatus of Spinach Chloroplasts. 1998 , 35, 551-559	42
2044	Characterization of Photosynthetic Apparatus of Pea Chlorophyll Mutants and their Heterotic F1 Hybrids with Standard Genotype (cv. Torsdag). 1998 , 35, 429-443	6
2043	Influence of the Degree of Solvent Impurity on the Spectrophotometric Determination of Chlorophylls in 80 % Aqueous Acetone and Dimethyl formamide. Application to Non-Abrasive Extraction of Leaves of <i>Citrus Aurantium</i> . 1998 , 35, 545-550	9
2042	Influence of Cd ²⁺ on growth, chlorophyll content, and water relations in young barley plants. 1998 , 41, 601-606	39
2041	Growth and biochemical alterations in coffee due to selenite toxicity. 1998 , 201, 189-196	30
2040	A sensitive photosystem II-based biosensor for detection of a class of herbicides. 1998 , 60, 664-669	69
2039	Transient studies of light-adapted cultures of hairy roots of <i>Catharanthus roseus</i> : growth and indole alkaloid accumulation. 1998 , 60, 670-8	25
2038	An investigation of herbicide interaction with the H ⁺ -ATPase activity of plant plasma membranes. 1998 , 53, 155-164	8
2037	A single red-light pulse leads to a block of greening in the high-pigment-1 mutant of tomato. 1998 , 206, 685-688	
2036	The role of Ca ions in changes induced by excess Cu ²⁺ in bean plants. Growth parameters. 1998 , 20, 411-417	29
2035	Development of photosynthetic apparatus and respiration in pea seedlings during greening as influenced by toxic concentration of lead. 1998 , 20, 35-40	6
2034	Age-dependent responses of <i>Phaseolus aureus</i> Roxb. to inorganic salts of mercury and cadmium. 1998 , 20, 85-90	14

2033	The effect of lead on photosynthesis and respiration in detached leaves and in mesophyll protoplasts of <i>Pisum sativum</i> . 1998 , 20, 313	82
2032	Proteinase inhibitor accumulation in aphid-infested barley leaves. 1998 , 49, 2279-2286	35
2031	Remote Sensing of Chlorophyll a, Chlorophyll b, Chlorophyll a+b, and Total Carotenoid Content in Eucalyptus Leaves. 1998 , 66, 111-121	354
2030	Photodynamic action of uroporphyrin and protochlorophyllide in greening barley leaves treated with cesium chloride. 1998 , 42, 151-8	21
2029	The stage of leaf maturity implicates the response of the photosynthetic apparatus to cadmium toxicity. 1998 , 138, 149-156	42
2028	Effects of UV-B radiation on cuticle thickness and nutritional value of leaves in two mediterranean evergreen sclerophylls. 1998 , 153, 506-512	34
2027	The use of the portable, non-destructive, spad-502 (minolta) chlorophyll meter with leaves of varying trichome density and anthocyanin content. 1998 , 153, 513-516	53
2026	Photosynthetic and respiratory characteristics of <i>Cortaderia pilosa</i> (DâŰrv.) Hack., the dominant component of falkland islands. 1998 , 153, 517-519	4
2025	Establishing errors in the spectrophotometric determination of chlorophylls using different solvents. 1998 , 152, 392-398	6
2024	Reduction of the plastoquinone pool by exogenous NADH and NADPH in higher plant chloroplasts. Characterization of a NAD(P)H-plastoquinone oxidoreductase activity. 1998 , 1363, 59-69	81
2023	Determination of epidermal transpiration in four cultivars of <i>Nicotiana tabacum</i> L. using epidermal strips in a quasi-steady state system. 1998 , 73, 97-106	
2022	Effects of the Gas Exchange Rate in the Culture Vessels on the Photosynthesis and the Carbon Metabolism of Micropropagated Fruit Plantlets (Apple Rootstock MM 106). 1998 , 12, 39-44	
2021	The effect of soil aeration on superoxide dismutase activity, malondialdehyde level, pigment content and stomatal diffusive resistance in maize seedlings. 1998 , 39, 203-211	23
2020	Calcium modifies Cd effect on runner bean plants. 1998 , 40, 275-286	36
2019	Effects of Temperature and Drought Stress on Physiological Processes Associated With Oak Decline. 1998 , 647-661	2
2018	Chemical Analysis of an Endangered Conifer: Environmental Laboratory Experiments. 1998 , 75, 1592	4
2017	Differential effects of enhanced UV-B radiation on reproductive effort in two chemotypes of <i>Mentha spicata</i> under field conditions. 1998 , 25, 345	11
2016	Regulation of Leaf Senescence by Cytokinin, Sugars, and Light Effects on NADH-Dependent Hydroxypyruvate Reductase. 1998 , 116, 329-335	208

2015	Induction of acclimative proteolysis of the light-harvesting chlorophyll a/b protein of photosystem II in response to elevated light intensities. 1998 , 118, 827-34	104
2014	The expression of light-regulated genes in the high-pigment-1 mutant of tomato. 1998 , 117, 797-807	35
2013	Chemoprotection by natural chlorophylls in vivo: inhibition of dibenzo[a,l]pyrene-DNA adducts in rainbow trout liver. 1998 , 19, 1323-6	38
2012	Intra-tissue Characteristics of Chloroplasts in the Lamina and Petiole of Mature Winter Leaf of <i>Arum italicum</i> Miller. 1998 , 111, 261-272	13
2011	Interactive effects of leaf age and self-shading on leaf structure, photosynthetic capacity and chlorophyll fluorescence in the rain forest tree, <i>Dryobalanops aromatica</i> . 1999 , 19, 741-747	56
2010	Isolation of ethylene-insensitive soybean mutants that are altered in pathogen susceptibility and gene-for-gene disease resistance. 1999 , 119, 935-50	166
2009	The Chloroplast: From Molecular Biology to Biotechnology. 1999 ,	1
2008	Metabolism of exogenous auxin by <i>Arabidopsis thaliana</i> : Identification of the conjugate N-(indol-3-ylacetyl)-glutamine and initiation of a mutant screen. 1999 , 105, 207-217	30
2007	Isoprene synthase activity and its relation to isoprene emission in <i>Quercus robur</i> L. leaves. 1999 , 22, 495-504	117
2006	Increased resistance to oxidative stress in transgenic tobacco plants overexpressing bacterial serine acetyltransferase. 1999 , 20, 237-43	89
2005	Laser-Induced Fluorescence as a Method To Detect the Vitality of Scots Pines. 1999 , 68, 225-236	11
2004	CHLORINATED WATER TREATMENTS AFFECTS POSTHARVEST QUALITY OF GREEN BELL PEPPERS. 1999 , 22, 353-361	29
2003	Phytoene synthase-2 enzyme activity in tomato does not contribute to carotenoid synthesis in ripening fruit. 1999 , 40, 687-98	120
2002	Evaluation of a closed system, diffusive and humidity-induced convective throughflow ventilation on the growth and physiology of cauliflower in vitro. 1999 , 59, 113-123	20
2001	Changes in Pigment Composition and Photosynthetic Activity of Aquatic Fern (<i>Azolla Microphylla</i> Kaulf.) Exposed to Low Doses of UV-C (254 nm) Radiation. 1999 , 37, 33-38	12
2000	Comparative Anatomical, Morphological, and Physiological Parameters Controlling Photosynthesis in Two <i>Populus x euramericana</i> Clones During Short-Term Osmotic Treatment. 1999 , 37, 87-96	5
1999	Red Radiation and Choline Compounds Influence Growth and Greening of Wheat Seedlings. 1999 , 36, 333-340	3
1998	Leaf Photosynthesis of the Mangrove <i>Avicennia Germinans</i> as Affected by NaCl. 1999 , 36, 547-555	45

1997	Drought effects on photosynthesis of the mangrove, <i>Avicennia germinans</i> , under contrasting salinities. 1999 , 13, 125-130	6
1996	Expression of the stay-green character introgressed into <i>Lolium temulentum</i> Ceres from a senescence mutant of <i>Festuca pratensis</i> . 1999 , 99, 92-99	51
1995	The effect of ethylene and cytokinin on guanosine 5'-triphosphate binding and protein phosphorylation in leaves of <i>Arabidopsis thaliana</i> . 1999 , 208, 239-46	30
1994	Acclimation of the summer annual species, <i>loium temulentum</i> , to CO(2) enrichment. 1999 , 210, 104-14	9
1993	Cadmium-affected level of inorganic phosphate in rye leaves influences Rubisco subunits. 1999 , 21, 257-261	16
1992	In vitro and in vivo coupling of <i>Thiocapsa</i> hydrogenase with cyanobacterial and algal electron mediators. 1999 , 88, 30-4	7
1991	The effects of sodium erythorbate and ethylenediurea on photosynthetic function of ozone-exposed loblolly pine seedlings. 1999 , 105, 25-35	24
1990	<i>Phragmites australis</i> : effects of shoot submergence on seedling growth and survival and radial oxygen loss from roots. 1999 , 64, 275-289	58
1989	Cauliflower shoot-culture: effects of different types of ventilation on growth and physiology. 1999 , 141, 209-217	16
1988	The influence of light upon glycoalkaloid and chlorophyll accumulation in potato tubers (<i>Solanum tuberosum</i> L.). 1999 , 145, 99-107	31
1987	Localization of the chloroplast NAD(P)H dehydrogenase complex in stroma thylakoids from barley. 1999 , 146, 17-25	11
1986	Photosynthesis of Transgenic Pssu-ipt Tobacco. 1999 , 155, 173-182	45
1985	Assessment of UV-B Sensitivity of Photosynthetic Apparatus among Microalgae: Short-term Laboratory Screening versus Long-term Outdoor Exposure. 1999 , 155, 54-62	12
1984	Qualitative and Quantitative Differences in the Light Harvesting Complexes of Photosystem II (LHC II) between a Chlorophyll-less Barley Mutant «NYB» and Its Wild Type. 1999 , 154, 152-156	7
1983	Role of Dew on the Recovery of Water-Stressed <i>Melissa officinalis</i> L. Plants. 1999 , 154, 759-766	62
1982	A New Reflectance Index for Remote Sensing of Chlorophyll Content in Higher Plants: Tests using Eucalyptus Leaves. 1999 , 154, 30-36	279
1981	Efficiency of the different genotypes of tomato in relation to foliar content of Fe and the response of some bioindicators. 2000 , 23, 1777-1786	11
1980	The base of the leaf acts as a localized sink for photosynthate in mature barley leaves. 2000 , 148, 257-266	4

1979	Infection of <i>Arabidopsis thaliana</i> leaves with <i>Albugo candida</i> (white blister rust) causes a reprogramming of host metabolism. 2000 , 1, 99-113	161
1978	Post-translational regulation of cytosolic glutamine synthetase by reversible phosphorylation and 14-3-3 protein interaction. 2000 , 24, 171-81	120
1977	Oxidative Stress and Antioxidants in Wheat Genotypes: Possible Mechanism of Water Stress Tolerance. 2000 , 184, 55-61	173
1976	Physiological and Biochemical Responses of Hexaploid and Tetraploid Wheat to Drought Stress. 2000 , 185, 219-227	75
1975	Protochlorophyllide-independent import of two NADPH:Pchl _a oxidoreductase proteins (PORA and PORB) from barley into isolated plastids. 2000 , 109, 298-303	36
1974	Separation by blue-native PAGE and identification of the whole NAD(P)H dehydrogenase complex from barley stroma thylakoids. 2000 , 38, 225-232	35
1973	Fine structure, carbohydrates and photosynthetic pigments of sugar maize leaves under UV-B radiation. 2000 , 43, 121-130	37
1972	Aspects of programmed cell death during leaf senescence of mono- and dicotyledonous plants. 2000 , 214, 93-101	54
1971	Electron flow between photosystem II and oxygen in chloroplasts of photosystem I-deficient algae is mediated by a quinol oxidase involved in chlororespiration. 2000 , 275, 17256-62	132
1970	Identification of rice varieties with high tolerance or sensitivity to lead and characterization of the mechanism of tolerance. 2000 , 124, 1019-26	177
1969	Leaf optical properties in Venezuelan cloud forest trees. 2000 , 20, 519-526	69
1968	Metabolism and efficiency in nitrogen utilization during senescence in pepper plants: Response to nitrogenous fertilization. 2000 , 23, 91-101	11
1967	Are isocitrate lyase and phosphoenolpyruvate carboxykinase involved in gluconeogenesis during senescence of barley leaves and cucumber cotyledons?. 2000 , 41, 960-7	47
1966	Analysis of the expression of CLA1, a gene that encodes the 1-deoxyxylulose 5-phosphate synthase of the 2-C-methyl-D-erythritol-4-phosphate pathway in <i>Arabidopsis</i> . 2000 , 124, 95-104	214
1965	Pigment composition of freshwater charophyceae. 2000 , 67, 117-129	22
1964	Seasonal fluctuations in photoprotective (xanthophyll cycle) and photoselective (chlorophylls) capacity in eight Mediterranean plant species belonging to two different growth forms. 2000 , 27, 265	28
1963	Elevation of the provitamin A content of transgenic tomato plants. 2000 , 18, 666-9	343
1962	Control of C ₄ photosynthesis: effects of reduced activities of phosphoenolpyruvate carboxylase on CO ₂ assimilation in <i>Amaranthus edulis</i> L. 2000 , 51 Spec No, 339-46	17

1961	Modeling of annual variations of oak (<i>Quercus robur</i> L.) isoprene synthase activity to predict isoprene emission rates. 2001 , 106, 3157-3166	70
1960	Effects of in vitro tissue culture conditions and acclimatization on the contents of Rubisco, leaf soluble proteins, photosynthetic pigments, and C/N ratio. 2001 , 158, 835-840	29
1959	Relationship between PSII activity, CO ₂ fixation, and Zn, Mn and Mg contents of <i>Lolium perenne</i> under zinc stress. 2001 , 158, 1137-1144	89
1958	Oxidative stress and antioxidant activity as the basis of senescence in maize leaves. 2001 , 161, 765-771	382
1957	Phytotoxic effects of fluorides. 2001 , 161, 979-985	93
1956	The importance of the C-terminal region and Cys residues for the membrane association of the NADPH:protochlorophyllide oxidoreductase in pea. 2001 , 502, 11-5	16
1955	Effects of ozone on chlorophyll and quantum yield of tobacco (<i>Nicotiana tabacum</i> L.) varieties. 2001 , 42, 945-53	58
1954	Effect of solar ultraviolet-B radiation during springtime ozone depletion on photosynthesis and biomass production of Antarctic vascular plants. 2001 , 125, 738-51	158
1953	Differential stress responses of antioxidative systems to drought in pendunculate oak (<i>Quercus robur</i>) and maritime pine (<i>Pinus pinaster</i>) grown under high CO ₂ concentrations. 2001 , 52, 133-143	2
1952	Concentration of photosynthetic pigments and chlorophyll fluorescence of mahogany and tonka bean under two light environments. 2001 , 13, 149-157	48
1951	Plastids undifferentiated, a nuclear mutation that disrupts plastid differentiation in <i>Zea mays</i> L. 2001 , 213, 647-58	4
1950	Resistance against oxidative stress in leaves of young beech trees grown in model ecosystems with different soil qualities, elevated CO ₂ , and lachnid infestation. 2001 , 120, 1-7	
1949	Developmental and seasonal changes of stress responsiveness in beech leaves (<i>Fagus sylvatica</i> L.). 2001 , 24, 821-829	27
1948	Ultraviolet-induced responses in two species of climax tropical marine macrophytes. 2001 , 62, 55-66	13
1947	Diurnal fluctuations of antioxidative systems in leaves of field-grown beech trees (<i>Fagus sylvatica</i>): Responses to light and temperature. 2001 , 111, 158-164	41
1946	Characterisation of the assembly pathway of the pea NADPH:protochlorophyllide (Pchl) oxidoreductase (POR), with emphasis on the role of its substrate, Pchl. 2001 , 111, 239-244	14
1945	The cytokinin 2-isopentenyladenine causes partial reversion to skotomorphogenesis and induces formation of prolamellar bodies and protochlorophyllide ₆₅₇ in the lip1 mutant of pea. 2001 , 112, 261-272	15
1944	Toxicity of selenium to <i>Lemna minor</i> in relation to sulfate concentration. 2001 , 113, 523-532	20

1943	Estimation of free radical-quenching activity of leaf pigment extracts. 2001 , 12, 138-43	49
1942	Elevation of carotenoids in tomato by genetic manipulation. 2001 , 81, 822-827	36
1941	Effects of Thallus Temperature and Hydration on Photosynthetic Parameters of <i>Cetraria Islandica</i> from Contrasting Habitats. 2001 , 39, 427-435	28
1940	New Facts about CdCl ₂ Action on the Photosynthetic Apparatus of Spinach Chloroplasts and Its Comparison with HgCl ₂ Action. 2001 , 39, 575-580	27
1939	Induction of Porphyrin Biosynthesis by 5-Aminolevulinic Acid, Glutamic Acid, and 1,10-Phenanthroline and Their Possible Photodynamic Action in Wheat and Mustard Plants. 2001 , 39, 597-601	1
1938	The redox state of the plastoquinone pool controls the level of the light-harvesting chlorophyll a/b binding protein complex II (LHC II) during photoacclimation. 2001 , 68, 163-74	71
1937	Relations between Photosynthetic Pigment Accumulation and Microsporogenesis in <i>Secale</i> , <i>Triticale</i> , and <i>Secalotriticum</i> . 2001 , 44, 443-445	1
1936	Effects of UV-B radiation and additional irrigation on the Mediterranean evergreen sclerophyll <i>Ceratonia siliqua</i> L. under field conditions. 2001 , 154, 187-193	18
1935	Combined effects of enhanced UV-B radiation and additional nutrients on growth of two Mediterranean plant species. 2001 , 154, 179-186	2
1934	Protection from Paraquat-Mediated Photo-Oxidative Stress by Glutathione in Poplar (<i>Populus tremula</i> P. <i>alba</i>) Plants. 2001 , 3, 272-278	7
1933	Growth under elevated CO ₂ ameliorates defenses against photo-oxidative stress in poplar (<i>Populus alba</i> x <i>tremula</i>). 2001 , 45, 43-53	23
1932	Responses of two birch (<i>Betula pendula</i> Roth) clones to different ozone profiles with similar AOT40 exposure. 2001 , 35, 5245-5254	36
1931	The distribution of protochlorophyllide and chlorophyll within seedlings of the lip1 mutant of Pea. 2001 , 42, 931-41	10
1930	Negative regulation of defense responses in plants by a conserved MAPKK kinase. 2001 , 98, 373-378	337
1929	Acclimation of plants to light gradients in leaf canopies: evidence for a possible role for cytokinins transported in the transpiration stream. 2001 , 52, 1563-74	74
1928	Subcellular compartmentation of the diterpene carnosic acid and its derivatives in the leaves of rosemary. 2001 , 125, 1094-102	84
1927	Biliverdin reductase-induced phytochrome chromophore deficiency in transgenic tobacco. 2001 , 125, 266-77	14
1926	Photoautotrophic culture of <i>Coffea arabusta</i> somatic embryos: development of a bioreactor for large-scale plantlet conversion from cotyledonary embryos. 2002 , 90, 21-9	19

1925	Involvement of a plastid terminal oxidase in plastoquinone oxidation as evidenced by expression of the <i>Arabidopsis thaliana</i> enzyme in tobacco. 2002 , 277, 31623-30	125
1924	PHOTOSYNTHETIC PERFORMANCE AND CONTENT OF SOME NUTRIENTS IN CADMIUM- AND COPPER-TREATED BARLEY PLANTS. 2002 , 25, 2343-2360	34
1923	The binding of Xanthophylls to the bulk light-harvesting complex of photosystem II of higher plants. A specific requirement for carotenoids with a 3-hydroxy-beta-end group. 2002 , 277, 25160-9	45
1922	An assessment of the ability of the stay-green phenotype in <i>lolium</i> species to provide an improved protein supply for ruminants. 2002 , 89, 731-40	13
1921	Photoautotrophic culture of <i>Coffea arabusta</i> somatic embryos: photosynthetic ability and growth of different stage embryos. 2002 , 90, 11-9	37
1920	Vegetation and biochemical indices retrieved from airborne MIVIS and VIRS hyperspectral images of conifer and hardwood forest stands. 2002 , 4484, 253	
1919	MINERAL NUTRITION OF THREE AQUATIC EMERGENT MACROPHYTES IN A MANAGED WETLAND IN VENEZUELA. 2002 , 25, 475-496	4
1918	Lizard burrows association with successional stages of biological soil crusts in an arid sandy region. 2002 , 50, 235-246	46
1917	Isolation of an NADH dehydrogenase complex not associated to ferredoxin-NADP oxidoreductase from oat stroma thylakoids. 2002 , 159, 457-464	7
1916	Investigation of the porphyrins accumulation in barley leaves incubated with Mn ²⁺ cations and \square -aminolevulinic acid. 2002 , 159, 1047-1053	1
1915	Jasmonic acid and heavy metals in <i>Arabidopsis</i> plants - a similar physiological response to both stressors?. 2002 , 159, 509-515	53
1914	Carbon assimilation and partitioning into non-structural carbohydrate in contrasting varieties of <i>Lolium perenne</i> . 2002 , 159, 257-263	18
1913	Differential response of wheat genotypes to long term salinity stress in relation to oxidative stress, antioxidant activity and osmolyte concentration. 2002 , 163, 1037-1046	670
1912	Egyptian plant species as new ozone indicators. 2002 , 120, 339-53	26
1911	Portable chlorophyll meter for the quantification of photosynthetic pigments, nitrogen and the possible use for assessment of the photochemical process in <i>Carica papaya</i> L.. 2002 , 14, 203-210	74
1910	The effect of chilling on the photosynthetic activity in coffee (<i>Coffea arabica</i> L.) seedlings: The protective action of chloroplastid pigments. 2002 , 14, 95-104	25
1909	Mechanisms of glyphosate toxicity in velvetleaf (<i>Abutilon theophrasti medikus</i>). 2002 , 74, 27-39	36
1908	Influences of exogenous sucrose on juvenile avocado during in vitro cultivation and subsequent ex vitro acclimatization. 2002 , 16, 569-575	4

1907	Effect of drought and high solar radiation on 1-aminocyclopropane-1-carboxylic acid and abscisic acid concentrations in <i>Rosmarinus officinalis</i> plants. 2002 , 114, 380-386	17
1906	Influence of CO ₂ and sucrose on photosynthesis and transpiration of <i>Actinidia deliciosa</i> explants cultured in vitro. 2002 , 115, 166-173	39
1905	Effects of Pb-EDTA and EDTA on oxidative stress reactions and mineral uptake in <i>Phaseolus vulgaris</i> . 2002 , 115, 377-384	99
1904	Reduced atmospheric CO ₂ inhibits nitrogen mobilization in <i>Festuca rubra</i> . 2002 , 116, 62-72	7
1903	Differential temperature dependencies of antioxidative enzymes in two contrasting species: <i>Fagus sylvatica</i> and <i>Coleus blumei</i> . 2002 , 40, 141-150	90
1902	Kinetics of antioxidative defence responses to photosensitisation in porphyrin-accumulating tobacco plants. 2002 , 40, 697-707	12
1901	Response of two Antarctic bryophytes to stratospheric ozone depletion. 2002 , 8, 972-983	80
1900	Impact of waterlogging on the N-metabolism of flood tolerant and non-tolerant tree species. 2002 , 25, 1039-1049	65
1899	Effect of NO ₃ ⁻ supply on N metabolism of potato plants (<i>Solanum tuberosum</i> L.) with special focus on the tubers. 2002 , 25, 999-1009	36
1898	Do maize cultivars demonstrate tolerance to the parasitic weed <i>Striga asiatica</i> ?. 2002 , 42, 299-306	33
1897	Limiting steps of hydrogen production in <i>Chlamydomonas reinhardtii</i> and <i>Synechocystis</i> PCC 6803 as analysed by light-induced gas exchange transients. 2002 , 27, 1229-1237	81
1896	Structural and Functional Changes of Mesophyll Cells during Leaf Growth in Two Species of Spring Ephemers. 2002 , 49, 171-178	5
1895	Expression of a bacterial carotene hydroxylase gene (<i>crtZ</i>) enhances UV tolerance in tobacco. 2002 , 50, 129-42	67
1894	Effects of Enhanced Ultraviolet-B (280-320 nm) Radiation on Growth and Photosynthetic Activities in Aquatic Fern <i>Azolla Microphylla</i> Kaulf. 2002 , 40, 85-89	8
1893	High Contents of Anthocyanins in Young Leaves are Correlated with Low Pools of Xanthophyll Cycle Components and Low Risk of Photoinhibition. 2002 , 40, 349-354	90
1892	Biochemical analysis of transgenic tobacco lines producing bacterial serine acetyltransferase. 2002 , 162, 589-597	31
1891	Pigment Composition and Photosynthetic Activity of Pea Chlorophyll Mutants. 2003 , 30, 370-376	2
1890	Composition and Characteristic Differences in Photosynthetic Membranes of Two Ecotypes of Reed (<i>Phragmites communis</i> L.) from Different Habitats. 2003 , 41, 97-104	8

1889	Photosynthetic Pigments of Tomato Plants under Conditions of Biotic Stress and Effects of Furostanol Glycosides. 2003 , 39, 606-612	6
1888	Changes in Activities of Antioxidant Enzymes in Sunflower Leaves of Different Ages. 2003 , 46, 61-66	17
1887	Physiological Response of Maize to Arsenic Contamination. 2003 , 46, 449-452	83
1886	Singlet Oxygen and Other Reactive Oxygen Species are Involved in Regulation of Release of Iron-Binding Chelators from <i>Scenedesmus</i> cells. 2003 , 46, 523-526	9
1885	Leaf Longevity, Construction, and Maintenance Costs of Three Mangrove Species Under Field Conditions. 2003 , 41, 373-381	34
1884	Surface Charge Densities and Membrane Fluidities in Thylakoids with Different Degrees of Thylakoid Appression After Norflurazon Treatment. 2003 , 41, 635-639	9
1883	Exposure of the roots of <i>Populus nigra</i> L. cv. Loenen to PAHs and its effect on growth and water balance. 2003 , 10, 235-44	15
1882	Specific Features of Plastid Pigment Apparatus and Photosynthesis in the Leaves of Ephemeroïd and Summer Plants as Related to Photoinhibition. 2003 , 50, 52-56	6
1881	Enhancing rice callus regeneration by extracellular products of <i>Tolypothrix tenuis</i> (Cyanobacteria). 2003 , 19, 29-34	9
1880	UV-B radiation arising from stratospheric ozone depletion influences the pigmentation of the Antarctic moss <i>Andreaea regularis</i> . 2003 , 135, 327-31	70
1879	Growth and physiological responses of two mangrove species (<i>Bruguiera gymnorrhiza</i> and <i>Kandelia candel</i>) to waterlogging. 2003 , 49, 209-221	130
1878	Relationship among chlorophyll-carotenoid content, antioxidant enzyme activities and lipid peroxidation levels by Mg ²⁺ deficiency in the <i>Mentha pulegium</i> leaves. 2003 , 41, 35-40	73
1877	Changes in the pigment patterns and the photosynthetic activity during a light-induced cell cycle of the green alga <i>Scenedesmus armatus</i> . 2003 , 41, 337-344	25
1876	Identification of an allele of <i>CLA1</i> associated with variegation in <i>Arabidopsis thaliana</i> . 2003 , 118, 29-37	21
1875	Cell-specific measurement of cytosolic glutathione in poplar leaves. 2003 , 26, 965-975	61
1874	Misregulation of tetrapyrrole biosynthesis in transgenic tobacco seedlings expressing mammalian biliverdin reductase. 2003 , 35, 717-28	19
1873	THALLUS DIFFERENTIATION OF PHOTOSYNTHESIS, GROWTH, REPRODUCTION, AND UV-B SENSITIVITY IN THE GREEN ALGA <i>ULVA PERTUSA</i> (CHLOROPHYCEAE)1. 2003 , 39, 712-721	40
1872	Analysis of the virus-induced inhibition of photosynthesis in malmsey grapevines. 2003 , 160, 403-412	61

1871	Senescence-induced changes in apoplastic and bulk tissue ammonia concentrations of ryegrass leaves. 2003 , 160, 489-499	56
1870	Relationships between salicylic acid content, phenylalanine ammonia-lyase (PAL) activity, and resistance of barley to aphid infestation. 2003 , 51, 2227-31	95
1869	Operation of the xanthophyll cycle and degradation of D1 protein in the inducible CAM plant, <i>Talinum triangulare</i> , under water deficit. 2003 , 92, 393-9	29
1868	The response of some common Egyptian plants to ozone and their use as biomonitors. 2003 , 124, 419-28	43
1867	Fluorides effects on <i>Hypericum perforatum</i> plants: first field observations. 2003 , 165, 507-513	38
1866	Ectopic expression of a horseradish peroxidase enhances growth rate and increases oxidative stress resistance in hybrid aspen. 2003 , 132, 1177-85	77
1865	Efficient leaf ion partitioning, an overriding condition for abscisic acid-controlled stomatal and leaf growth responses to NaCl salinization in two legumes. 2003 , 54, 2111-9	61
1864	Expression of xanthophyll biosynthetic genes during light-dependent chloroplast differentiation. 2003 , 132, 1508-17	77
1863	Exposed red (anthocyanic) leaves of <i>Quercus coccifera</i> display shade characteristics. 2003 , 30, 265-270	75
1862	Variation in Light Absorption Properties of <i>Mentha aquatica</i> L. as a Function of Leaf Form: Implications for Plant Growth. 2003 , 164, 125-136	29
1861	The influence of light intensity on anatomical structure and pigment contents of <i>Tradescantia pallida</i> (Rose) Hunt. cv. <i>purpurea</i> Boom (Commelinaceae) leaves. 2003 , 46, 617-624	38
1860	Leaf life span and nitrogen content in semideciduous forest tree species (<i>Croton priscus</i> and <i>Hymenaea courbaril</i>). 2004 , 61, 462-465	10
1859	Stress tolerance responses of two cotton cultivars exposed to ultraviolet-A (366 nm) radiation: photosynthetic performance and chemical constituents. 2004 , 52, 113-124	8
1858	Research Article: Characterization of the <i>Arabidopsis</i> seedling plastid mutant <i>spd2</i> . 2004 , 75, 65-73	1
1857	CHLOROPLAST BIOGENESIS genes act cell and noncell autonomously in early chloroplast development. 2004 , 135, 471-82	101
1856	Are bryophytes shade plants? Photosynthetic light responses and proportions of chlorophyll a, chlorophyll b and total carotenoids. 2004 , 94, 593-603	188
1855	Increased zinc content in transplastomic tobacco plants expressing a polyhistidine-tagged Rubisco large subunit. 2004 , 2, 389-99	18
1854	Manipulation of DET1 expression in tomato results in photomorphogenic phenotypes caused by post-transcriptional gene silencing. 2004 , 40, 344-54	58

1853	Analysis of the proteins targeted by CDSP32, a plastidic thioredoxin participating in oxidative stress responses. 2005 , 41, 31-42	121
1852	Persistent stimulation of photosynthesis by elevated CO ₂ in a sweetgum (<i>Liquidambar styraciflua</i>) forest stand. 2004 , 162, 343-354	62
1851	Differential responses of G-protein <i>Arabidopsis thaliana</i> mutants to ozone. 2004 , 162, 633-641	35
1850	Is plasticity in partitioning of photosynthetic resources between and within leaves important for whole-plant carbon gain in canopies?. 2004 , 18, 802-811	32
1849	Effect of reduced arginine decarboxylase activity on salt tolerance and on polyamine formation during salt stress in <i>Arabidopsis thaliana</i> . 2004 , 121, 101-107	115
1848	Does sea level rise influence propagule establishment, early growth and physiology of <i>Kandelia candel</i> and <i>Bruguiera gymnorrhiza</i> ?. 2004 , 306, 197-215	34
1847	The xanthophyll cycle in green algae (chlorophyta): its role in the photosynthetic apparatus. 2004 , 6, 342-9	60
1846	Changes in the Biochemical Composition, Structure, and Function of Pea Leaf Chloroplasts in Iron Deficiency and Root Anoxia. 2004 , 40, 506-516	5
1845	Changes Induced by Low Oxygen Concentration in Photosynthetic and Respiratory CO ₂ Exchange in Phosphate-Deficient Bean Leaves. 2004 , 48, 401-405	6
1844	<i>Plantago major</i> plants responses to increase content of lead in soil: Growth and photosynthesis. 2004 , 42, 145-151	79
1843	Exceptional Photosynthetic Performance of <i>Capparis spinosa</i> L. Under Adverse Conditions of Mediterranean summer. 2004 , 42, 229-235	37
1842	Total Carotenoid Amount in Crude Twig Extracts May Be Overestimated Due to Interference by High Contents of Co-Extracted Phenolics. 2004 , 42, 295-297	6
1841	The Effect of Root Hypoxia and Iron Deficiency on the Photosynthesis, Biochemical Composition, and Structure of Pea Chloroplasts. 2004 , 51, 28-40	2
1840	Heat-Induced Increase in the Tolerance of the Wheat Photosynthetic Apparatus to Combined Action of High Temperature and Visible Light: CO ₂ Fixation, Photosynthetic Pigments, and Chloroplast Ultrastructure. 2004 , 51, 455-463	7
1839	Pigments and Gas Exchange Characteristics in Leaves of Chlorophyll Mutants of <i>Pisum sativum</i> . 2004 , 51, 597-603	2
1838	Fractionation of thylakoid membranes into grana and stroma thylakoids. 2004 , 274, 1-9	7
1837	Carbon Fixation and Partitioning in Coffee Seedlings Infested with <i>Pratylenchus coffeae</i> . 2004 , 110, 861-865	9
1836	Effect of wood ash application on the biomass distribution and physiological state of Norway spruce seedlings on sandy soils. 2004 , 265, 301-314	16

1835	Heterologous expression of Arabidopsis ERS1 causes delayed senescence in coriander. 2004 , 22, 678-83	11
1834	Elemental fingerprint analysis of barley (<i>Hordeum vulgare</i>) using inductively coupled plasma mass spectrometry, isotope-ratio mass spectrometry, and multivariate statistics. 2004 , 378, 171-82	50
1833	Light-enhanced dark respiration in leaves and mesophyll protoplasts of pea in relation to photorespiration, respiration and some metabolites content. 2004 , 26, 37-46	4
1832	Comparison of solvent regimes for the extraction of photosynthetic pigments from leaves of higher plants. 2004 , 31, 195-202	32
1831	Biosorption of cadmium by <i>Myriophyllum spicatum</i> L. and <i>Myriophyllum triphyllum</i> orchard. 2004 , 56, 1043-8	54
1830	Evaluation of a portable chlorophyll meter to estimate chlorophyll and nitrogen contents in sugar maple (<i>Acer saccharum</i> Marsh.) leaves. 2004 , 200, 113-117	97
1829	Effects of pH on the kinetics of light-dependent proton flux in thylakoids isolated from lettuce leaves. 2004 , 166, 479-483	4
1828	Photoinhibition of photosystems I and II induced by exposure to high light intensity during oat plant growth. 2004 , 166, 815-823	61
1827	Sugar-induced tolerance to atrazine in <i>Arabidopsis</i> seedlings: interacting effects of atrazine and soluble sugars on psbA mRNA and D1 protein levels. 2004 , 167, 913-923	41
1826	Effects of salinity stress on PSII in <i>Ulva lactuca</i> as probed by chlorophyll fluorescence measurements. 2004 , 80, 129-137	78
1825	Chloroplast development affects expression of phage-type RNA polymerases in barley leaves. 2004 , 38, 460-72	82
1824	Shadow fraction in spectral mixture analysis of a cotton canopy. 2004 ,	1
1823	Use of commercial plant species in a hydroponic system to treat domestic wastewaters. 2004 , 33, 695-702	27
1822	LEAF AND FRUIT RESPONSES OF 'RIESLING' GRAPEVINES TO UV-RADIATION IN THE FIELD. 2005 , 125-132	5
1821	Photosynthetic activity of <i>Lolium perenne</i> as a function of endophyte status and zinc nutrition. 2005 , 32, 131-139	25
1820	Genotype × Environment Interactions for a Diverse Set of Sweetpotato Clones Evaluated across Varying Ecogeographic Conditions in Peru. 2005 , 45, 2160-2171	63
1819	Multiple shadow fractions in spectral mixture analysis of a cotton canopy. 2005 , 97, 526-539	75
1818	Induction of oxidative stress and antioxidative mechanisms in <i>Phaseolus vulgaris</i> after Cd application. 2005 , 43, 437-44	232

1817	Antioxidant activity of fresh and dry herbs of some Lamiaceae species. 2005 , 93, 223-226	252
1816	Effects of water stress on major photosystem II gene expression and protein metabolism in barley leaves. 2005 , 125, 464-473	46
1815	Evaluation of microcapsule trunk injections for the control of apple scab and powdery mildew. 2005 , 147, 119-127	25
1814	Impacts of Elevated CO ₂ Concentration on Biochemical Composition, Carbonic Anhydrase, and Nitrate Reductase Activity of Freshwater Green Algae. 2005 , 47, 668-675	78
1813	Sequential reduction of UV-B radiation in the field alters the pigmentation of an Antarctic leafy liverwort. 2005 , 54, 22-32	40
1812	Postharvest application of 1-MCP to improve the quality of various avocado cultivars. 2005 , 37, 252-264	93
1811	Effect of drought stress on chlorophyll a fluorescence and electrical admittance of shoots in Norway spruce seedlings. 2005 , 19, 539-544	26
1810	The effects of oligomycin on content of adenylates in mesophyll protoplasts, chloroplasts and mitochondria from Pb ²⁺ treated pea and barley leaves. 2005 , 27, 29-36	13
1809	Effects of Short-term Red Radiation and Choline Compounds on Cytokinin Content, Chlorophyll Accumulation and Photomorphogenesis in Wheat Seedlings. 2005 , 47, 9-15	4
1808	Isolation and characterization of carotenoid cleavage dioxygenase gene in halophyte <i>Suaeda salsa</i> . 2005 , 46, 61-67	7
1807	Changes in antioxidant enzymes activity and oxidative stress by abscisic acid and salicylic acid in wheat genotypes. 2005 , 49, 541-550	138
1806	Leaf construction cost in <i>Avicennia germinans</i> as affected by salinity under field conditions. 2005 , 49, 111-116	14
1805	Effect of arsenic on some physiological parameters in bean plants. 2005 , 49, 293-296	159
1804	Leaf characteristics and gas exchange of the mangrove <i>Laguncularia racemosa</i> as affected by salinity. 2005 , 43, 217-221	54
1803	Protection of winter rape photosystem 2 by 24-epibrassinolide under cadmium stress. 2005 , 43, 293-298	106
1802	Isolation and characterization of paracrystalline structures from transgenic Pssu-ipt tobacco. 2005 , 43, 509-517	4
1801	Effects of elevated carbon dioxide on gas exchange and photochemical and nonphotochemical quenching at low temperature in tobacco plants varying in Rubisco activity. 2005 , 83, 63-74	5
1800	Dioxygen uptake by isolated thylakoids from lettuce (<i>Lactuca sativa</i> L.): simultaneous measurements of dioxygen uptake, pH change of the medium and chlorophyll fluorescence parameters. 2005 , 83, 287-96	2

1799	Tolerance Responses of Two Cotton Cultivars Exposed to Ultraviolet-A: Photosynthetic Performance and Some Chemical Constituents. 2005 , 52, 645-652	1
1798	DOWN-REGULATION OF PHOTOSYNTHETIC ACTIVITY FOR FIELD-GROWN GRAPEVINES. 2005 , 285-292	4
1797	Sugarcane yellow leaf virus infection leads to alterations in photosynthetic efficiency and carbohydrate accumulation in sugarcane leaves. 2005 , 30, 10-16	50
1796	The role of ozone flux and antioxidants in the suppression of ozone injury by elevated CO ₂ in soybean. 2005 , 56, 2139-51	62
1795	Plastid genome structure and loss of photosynthetic ability in the parasitic genus <i>Cuscuta</i> . 2005 , 56, 2477-86	47
1794	Nutrient, chlorophyll and caloric dynamics of <i>Phyllostachys pubescens</i> leaves in Yongchun County, Fujian, China. 2005 , 4, 369-385	1
1793	Boron remobilization at low boron supply in olive (<i>Olea europaea</i>) in relation to leaf and phloem mannitol concentrations. 2005 , 25, 157-65	28
1792	Diurnal and seasonal variation of isoprene biosynthesis-related genes in grey poplar leaves. 2005 , 139, 474-84	114
1791	The Arabidopsis IspH homolog is involved in the plastid nonmevalonate pathway of isoprenoid biosynthesis. 2005 , 138, 641-53	136
1790	Effects of Enzymatic Treatment of Corn Gluten Meal on Lutein and Zeaxanthin Extraction. 2005 , 8, 161-169	9
1789	Effects of Calcium, Stress on Contents of Chlorophyll and Carotenoid, LPO Levels, and Antioxidant Enzyme Activities in <i>Mentha</i> . 2005 , 28, 127-139	5
1788	Biochemical changes during the development of witches' broom: the most important disease of cocoa in Brazil caused by <i>Crinipellis pernicioso</i> . 2005 , 56, 865-77	86
1787	Photosynthetic Capacity and Productivity of CO ₂ -Enriched Rice (<i>Oryza sativa</i> L.) Under Field Conditions. 2005 , 13, 55-72	
1786	Changes of Micronutrients, Dry Weight, and Chlorophyll Contents in Strawberry Plants Under Salt Stress Conditions*View all notes. 2005 , 36, 1021-1028	22
1785	Increase of photosynthesis and starch in potato under elevated CO ₂ is dependent on leaf age. 2005 , 162, 429-38	38
1784	Growth parameters and photosynthetic pigments in leaf segments of <i>Zea mays</i> exposed to cadmium, as related to protection mechanisms. 2005 , 162, 1013-21	61
1783	Effects of drought during grain filling on PS II activity in rice. 2005 , 162, 903-11	49
1782	Comparative study of responses in four <i>Datura</i> species to a zinc stress. 2005 , 59, 1005-13	94

1781	Regulation of the expression of chloroplast <i>ndh</i> genes by light intensity applied during oat plant growth. 2005 , 168, 1561-1569	13
1780	Silicon alleviates oxidative damage of wheat plants in pots under drought. 2005 , 169, 313-321	496
1779	Photosynthetic pigments, nitrogen, chlorophyll a fluorescence and SPAD-502 readings in coffee leaves. 2005 , 104, 199-209	290
1778	Arthropod-induced neoplastic formations on trees change photosynthetic pigment levels and oxidative enzyme activities. 2005 , 1, 61-67	6
1777	Inhibitor studies on non-photochemical plastoquinone reduction and H(2) photoproduction in <i>Chlamydomonas reinhardtii</i> . 2005 , 1708, 322-32	105
1776	Transformation of the green alga <i>Haematococcus pluvialis</i> with a phytoene desaturase for accelerated astaxanthin biosynthesis. 2006 , 72, 7477-84	179
1775	An assessment of the drought tolerance of <i>Fraxinus</i> genotypes for urban landscape plantings. 2006 , 5, 17-27	53
1774	Effects of cyanobacterial extracellular products and gibberellic acid on salinity tolerance in <i>Oryza sativa</i> L. 2006 , 2, 7	94
1773	Acclimation of mesophyll and bundle sheath chloroplasts of maize to different irradiances during growth. 2006 , 1757, 1539-46	29
1772	Light-enhanced dark respiration in leaves, isolated cells and protoplasts of various types of C4 plants. 2006 , 163, 638-47	11
1771	Spectrometric Assays for Plant, Algal and Bacterial Chlorophylls. 2006 , 95-107	25
1770	Metabolic adaptations to arsenic-induced oxidative stress in <i>Pteris vittata</i> L and <i>Pteris ensiformis</i> L. 2006 , 170, 274-282	315
1769	The effect of light spectral quality on leaf senescence and oxidative stress in wheat. 2006 , 171, 24-33	35
1768	Fungos micorrízicos arbusculares na formaõ de mudas de cafeeiro, em substratos orgânicos comerciais. 2006 , 65, 649-658	15
1767	tie-dyed1 Regulates carbohydrate accumulation in maize leaves. 2006 , 142, 1511-22	53
1766	Assessing the relative contributions of phytochelatin and the cell wall to cadmium resistance in white lupin. 2006 , 128, 487-495	76
1765	<i>Agrobacterium tumefaciens</i> type II NADH dehydrogenase. Characterization and interactions with bacterial and thylakoid membranes. 2006 , 273, 3625-37	11
1764	Responses of antioxidants in the lichen <i>Ramalina lacera</i> may serve as an early-warning bioindicator system for the detection of air pollution stress. 2006 , 58, 41-53	22

1763	Effects of Exogenous Spermidine on Photosystem II of Wheat Seedlings Under Water Stress. 2006 , 48, 920-927	34
1762	Decrease of Photosystem II Photochemistry in Arabidopsis ppt1 Mutant Is Dependent on Leaf Age. 2006 , 48, 1409-1414	2
1761	The effect of root-absorbed PSII inhibitors on Kautsky curve parameters in sugar beet. 2006 , 46, 226-235	43
1760	Stimulation of chlororespiration by heat and high light intensity in oat plants. 2006 , 29, 1463-70	80
1759	High-performance liquid chromatography profiling of the major carotenoids in Arabidopsis thaliana leaf tissue. 2006 , 1121, 83-91	69
1758	Enhanced oxidation of flavan-3-ols and proanthocyanidin accumulation in water-stressed tea plants. 2006 , 67, 1120-6	83
1757	Re-absorption of chlorophyll fluorescence in leaves revisited. A comparison of correction models. 2006 , 5, 735-40	35
1756	Effects of rhizobia inoculation and nitrogen fertilization on photosynthetic physiology of soybean. 2006 , 44, 530-535	30
1755	Spectral and thermal sensing for nitrogen and water status in rainfed and irrigated wheat environments. 2006 , 7, 233-248	96
1754	Consistent sets of spectrophotometric chlorophyll equations for acetone, methanol and ethanol solvents. 2006 , 89, 27-41	662
1753	Effect of water stress on photosystem 2 in two wheat cultivars. 2006 , 50, 597-602	54
1752	Ecophysiological characteristics of <i>Avicennia germinans</i> and <i>Laguncularia racemosa</i> coexisting in a scrub mangrove forest at the Indian River Lagoon, Florida. 2006 , 20, 679-687	25
1751	Functional evidence for the involvement of Arabidopsis <i>lspF</i> homolog in the nonmevalonate pathway of plastid isoprenoid biosynthesis. 2006 , 223, 779-84	43
1750	Sugar-induced tolerance to the herbicide atrazine in Arabidopsis seedlings involves activation of oxidative and xenobiotic stress responses. 2006 , 25, 489-98	42
1749	Analysis of gene expression upon DNA damage in Arabidopsis. 2006 , 49, 298-302	5
1748	Boron deficiency effects on growth, photosynthesis and relative concentrations of phenolics of <i>Dittrichia viscosa</i> (Asteraceae). 2006 , 56, 293-300	35
1747	Specification of adaxial and abaxial stomata, epidermal structure and photosynthesis to CO ₂ enrichment in maize leaves. 2006 , 57, 381-90	88
1746	The photoprotective role of epidermal anthocyanins and surface pubescence in young leaves of grapevine (<i>Vitis vinifera</i>). 2006 , 98, 257-65	95

1745	Some Aspects of Nutritive and Biological Value of Carrot Cultivars with Orange, Yellow and Purple-Coloured Roots. 2007 , 67, 149-161	21
1744	Response of Lettuce (<i>Lactuca Sativa</i> L.) to Selenium in Nutrient Solution Contaminated with Nickel. 2007 , 67, 63-70	27
1743	Growth, yield and reproduction of dwarf tomato grown under simulated microgravity conditions. 2007 , 141, 75-81	11
1742	Effects of Ammonium Toxicity on Nitrogen Metabolism and Elemental Profile of Cucumber Plants. 2007 , 30, 1933-1951	82
1741	Contribution of anthocyanins to the antioxidant capacity of juvenile and senescing sugar maple (<i>Acer saccharum</i>) leaves. 2007 , 34, 714-719	21
1740	The Effect of Blanching, Freezing and Freeze-Storage on Changes of Some Chemical Compounds Content in New Zealand Spinach. 2007 , 66, 95-103	9
1739	Photosynthetic Recovery of a Perennial Grass <i>Leymus chinensis</i> after Different Periods of Soil Drought. 2007 , 10, 277-285	29
1738	Production of a useful mutant by chronic irradiation in sweetpotato. 2007 , 111, 173-178	21
1737	Impact of exogenous salicylic acid on the growth, antioxidant activity and physiology of carrot plants subjected to combined salinity and boron toxicity. 2007 , 113, 120-128	111
1736	A deficiency in salicylic acid alters isoprenoid accumulation in water-stressed NahG transgenic <i>Arabidopsis</i> plants. 2007 , 172, 756-762	17
1735	Mitochondrial ferritin distribution among plant organs and its involvement in ascorbate-mediated iron uptake and release. 2007 , 173, 182-189	14
1734	Acclimation to heat and high light intensity during the development of oat leaves increases the NADH DH complex and PTOX levels in chloroplasts. 2007 , 173, 438-445	27
1733	Sucrose amendment enhances phytoaccumulation of the herbicide atrazine in <i>Arabidopsis thaliana</i> . 2007 , 145, 507-15	35
1732	The impact of pesticides toward parrotfeather when applied at the predicted environmental concentration. 2007 , 66, 469-73	9
1731	Fast, sensitive, and inexpensive alternative to analytical pigment HPLC: quantification of chlorophylls and carotenoids in crude extracts by fitting with Gauss peak spectra. 2007 , 79, 7611-27	97
1730	Involvement of the ethylene-signalling pathway in sugar-induced tolerance to the herbicide atrazine in <i>Arabidopsis thaliana</i> seedlings. 2007 , 164, 1083-92	17
1729	Cytokinin promotes catalase and ascorbate peroxidase activities and preserves the chloroplast integrity during dark-senescence. 2007 , 164, 1572-82	116
1728	Applying a field spectroscopy technique for assessing successional trends of biological soil crusts in a semi-arid environment. 2007 , 70, 463-477	46

1727	Leaf morphological and physiological adjustments to the spectrally selective shade imposed by anthocyanins in <i>Prunus cerasifera</i> . 2007 , 27, 849-57	57
1726	Determination of Salt Tolerance of 'Camarosa' and 'Chandler' Strawberries Grown in Perlite and Perlite. 2007 , 7, 87-96	4
1725	Elevated Carbon Dioxide and Ozone Effects on Peanut: I. Gas-Exchange, Biomass, and Leaf Chemistry. 2007 , 47, 1475-1487	26
1724	Stimulation of antioxidant system and lipid peroxidation by abiotic stresses in leaves of <i>Momordica charantia</i> . 2007 , 19, 149-161	54
1723	Photodegradation of aniline in aqueous suspensions of microalgae. 2007 , 87, 49-57	48
1722	Effects of tetracycline on wild-type and inducible P35So IPT-5/TETR transgenic tobacco plants. 2007 , 130, 290-300	6
1721	Chlororespiration is involved in the adaptation of Brassica plants to heat and high light intensity. 2007 , 30, 1578-85	58
1720	Molecular phenotyping of lignin-modified tobacco reveals associated changes in cell-wall metabolism, primary metabolism, stress metabolism and photorespiration. 2007 , 52, 263-85	126
1719	Leaf photoacclimatory responses of the tropical seagrass <i>Thalassia testudinum</i> under mesocosm conditions: a mechanistic scaling-up study. 2007 , 176, 108-123	38
1718	Endopeptidase Isoenzyme Characteristics in <i>Cucumis sativus</i> Leaves During Dark-induced Senescence. 2007 , 49, 507-514	2
1717	Genome-wide interacting effects of sucrose and herbicide-mediated stress in <i>Arabidopsis thaliana</i> : novel insights into atrazine toxicity and sucrose-induced tolerance. 2007 , 8, 450	64
1716	Effects of used lubricating oil on two mangroves <i>Aegiceras corniculatum</i> and <i>Avicennia marina</i> . 2007 , 19, 1355-60	20
1715	Heat shock increases thermotolerance of photosynthetic electron transport and the content of chloroplast membranes and lipids in wheat leaves. 2007 , 54, 456-463	7
1714	Activation of growth and accumulation of phenolic compounds in tea callus culture by melafen is not associated with its possible cytokinin activity. 2007 , 413, 88-91	2
1713	Rocket seedling production on the international space station: Growth and nutritional properties. 2007 , 19, 118-121	8
1712	Response of <i>Tetranychus cinnabarinus</i> feeding on NaCl-stressed strawberry plants. 2007 , 35, 37-49	14
1711	Photosynthesis and photoinhibition of two green macroalgae with contrasting habitats. 2007 , 50, 410-416	5
1710	Metabolic recovery of the Antarctic liverwort <i>Cephaloziella varians</i> during spring snowmelt. 2007 , 30, 1115-1122	16

1709	Effects of salinity on photosynthesis, leaf anatomy, ion accumulation and photosynthetic nitrogen use efficiency in five Indian mangroves. 2007 , 15, 347-357	51
1708	Effects of copper and cadmium on photosynthesis in cucumber cotyledons. 2007 , 45, 239-244	79
1707	Irradiance acclimation, capture ability, and efficiency in invasive and non-invasive alien plant species. 2007 , 45, 245-253	14
1706	Expression of β -carotene hydroxylase gene (<i>crtR-B</i>) from the green alga <i>Haematococcus pluvialis</i> in chloroplasts of <i>Chlamydomonas reinhardtii</i> . 2007 , 19, 347-355	23
1705	Effects of brassinosteroid infiltration prior to cold treatment on ion leakage and pigment contents in rape leaves. 2007 , 51, 355-358	50
1704	Lanthanum relieves salinity-induced oxidative stress in <i>Saussurea involucreata</i> . 2007 , 51, 567-570	24
1703	Acclimation to sun and shade of three accessions of the Chilean native berry-crop murta. 2007 , 69, 215-229	11
1702	The combined effects of soil moisture and irradiance on growth, biomass allocation, morphology and photosynthesis in <i>Amomum villosum</i> . 2007 , 71, 89-98	11
1701	Spatio-temporal variation of photosynthetic pigments in the CAM tree <i>Clusia hilariana</i> Schlechtendal associated with dry spells during the rainy season in southeastern Brazil. 2007 , 21, 671-675	12
1700	Age-related changes in oxidative stress markers and abscisic acid levels in a drought-tolerant shrub, <i>Cistus clusii</i> grown under Mediterranean field conditions. 2007 , 225, 1039-49	62
1699	Invasive <i>Buddleja davidii</i> allocates more nitrogen to its photosynthetic machinery than five native woody species. 2007 , 153, 501-10	94
1698	The effect of refinery pollution on non-enzymatic foliar defense mechanisms in four evergreen plant species in Turkey. 2007 , 29, 71-79	5
1697	Changes in activities of antioxidative system and monoterpene and photochemical efficiency during seasonal leaf senescence in <i>Hevea brasiliensis</i> trees. 2007 , 30, 1-9	19
1696	Drought response of two bedding plants. 2007 , 29, 399-406	36
1695	Nitrogen allocation, partitioning and use efficiency in three invasive plant species in comparison with their native congeners. 2008 , 10, 891-902	34
1694	Mutation mechanism of chlorophyll-less barley mutant NYB. 2008 , 46, 73-78	21
1693	Leaf characteristics and diurnal variation of chlorophyll fluorescence in leaves of the 'bana' vegetation of the amazon region. 2008 , 46,	18
1692	Seasonal photosynthetic changes in the green-stemmed Mediterranean shrub <i>Calicotome villosa</i> : a comparison with leaves. 2008 , 46,	15

1691	Effect of Cd on growth, photosynthetic gas exchange, and chlorophyll fluorescence of wild and Cd-sensitive mutant rice. 2008 , 46,	38
1690	Leaf and photosynthetic characteristics of pioneer and forest species in tropical montane habitats. 2008 , 46, 604-610	6
1689	Chloroplast localization of methylerythritol 4-phosphate pathway enzymes and regulation of mitochondrial genes in ispD and ispE albino mutants in Arabidopsis. 2008 , 66, 663-73	85
1688	Effect of sanitized and non-sanitized sewage sludge on soil microbial community and the physiology of pepper plants. 2008 , 310, 41-53	26
1687	Increased protein carbonylation in leaves of Arabidopsis and soybean in response to elevated [CO ₂]. 2008 , 97, 155-66	73
1686	Invasive Mahonia plants outgrow their native relatives. 2008 , 199, 21-31	11
1685	Polysaccharides as a protective response against microcystin-induced oxidative stress in <i>Chlorella vulgaris</i> and <i>Scenedesmus quadricauda</i> and their possible significance in the aquatic ecosystem. 2008 , 17, 504-16	71
1684	Removal of cadmium by <i>Myriophyllum heterophyllum</i> Michx. and <i>Potamogeton crispus</i> L. and its effect on pigments and total phenolic compounds. 2008 , 54, 612-8	42
1683	Gas exchange, chlorophyll fluorescence, and osmotic adjustment in two mango cultivars under drought stress. 2008 , 30, 769-777	112
1682	Association of red coloration with senescence of sugar maple leaves in autumn. 2008 , 22, 573-578	41
1681	Heterologous overexpression of the birch FRUITFULL-like MADS-box gene BpMADS4 prevents normal senescence and winter dormancy in <i>Populus tremula</i> L. 2008 , 227, 1001-11	47
1680	Phenolic diterpene and Tocopherol contents in leaf extracts of 60 <i>Salvia</i> species. 2008 , 88, 2648-2653	44
1679	Simultaneous estimation of chlorophyll a and lipid contents in microalgae by three-color analysis. 2008 , 99, 1034-9	45
1678	Indirect mechanisms accelerated due to ultraviolet-B irradiation on nutrient cycling in a freshwater ecosystem. 2008 , 93, 1-8	4
1677	Protective and injuring action of visible light on photosynthetic apparatus in wheat plants during hyperthermia treatment. 2008 , 55, 613-620	6
1676	Adaxial/abaxial specification in the regulation of photosynthesis and stomatal opening with respect to light orientation and growth with CO ₂ enrichment in the C ₄ species <i>Paspalum dilatatum</i> . 2008 , 177, 186-198	44
1675	VOC emissions of Grey poplar leaves as affected by salt stress and different N sources. 2008 , 10, 86-96	43
1674	Meristem aging is not responsible for age-related changes in growth and abscisic acid levels in the Mediterranean shrub, <i>Cistus clusii</i> . 2008 , 10 Suppl 1, 148-55	18

1673	Nitrogen allocation and partitioning in invasive and native <i>Eupatorium</i> species. 2008 , 132, 350-8	35
1672	Photosynthesis, nitrogen allocation and specific leaf area in invasive <i>Eupatorium adenophorum</i> and native <i>Eupatorium japonicum</i> grown at different irradiances. 2008 , 133, 318-26	47
1671	Photosynthetic activity during olive (<i>Olea europaea</i>) leaf development correlates with plastid biogenesis and Rubisco levels. 2008 , 134, 547-58	37
1670	Acclimation of a pleurocarpous moss <i>Pleurozium schreberi</i> (Britt.) Mitt. to enhanced ultraviolet radiation in situ. 2008 , 14, 321-333	24
1669	Stress-induced expression of an activated form of AtbZIP17 provides protection from salt stress in <i>Arabidopsis</i> . 2008 , 31, 1735-43	81
1668	Application of high-performance liquid chromatography with photodiode array detection to the metabolic profiling of plant isoprenoids. 2008 , 24, 551-558	17
1667	Defence reactions in the apoplastic proteome of oilseed rape (<i>Brassica napus</i> var. <i>napus</i>) attenuate <i>Verticillium longisporum</i> growth but not disease symptoms. 2008 , 8, 129	76
1666	Higher salinity tolerance cultivars of winter wheat relieved senescence at reproductive stage. 2008 , 62, 129-138	39
1665	Growth, photosynthetic pigments and photosynthetic activity during seedling stage of cowpea (<i>Vigna unguiculata</i>) in response to UV-B and dimethoate. 2008 , 92, 30-37	66
1664	Changes in Anthocyanin Content as Indicator of Maize Sensitivity to Selenium. 2008 , 31, 1232-1242	38
1663	Can PAHs influence Cu accumulation by salt marsh plants?. 2008 , 66, 311-8	64
1662	Strong quenching of chlorophyll fluorescence in the desiccated state in three poikilohydric and homoiochlorophyllous moss species indicates photo-oxidative protection on highly light-exposed rocks of a tropical inselberg. 2008 , 165, 172-81	11
1661	Intra-species variation in transient accumulation of leaf anthocyanins in <i>Cistus creticus</i> during winter: evidence that anthocyanins may compensate for an inherent photosynthetic and photoprotective inferiority of the red-leaf phenotype. 2008 , 165, 952-9	41
1660	Salinity tolerance in <i>Schinopsis quebracho colorado</i> : Seed germination, growth, ion relations and metabolic responses. 2008 , 72, 1785-1792	42
1659	Leaf anatomy affects the extraction of photosynthetic pigments by DMSO. 2008 , 76, 1265-8	7
1658	Spectrophotometric analyses of chlorophyll and single carotenoids during fruit development of tomato (<i>Solanum lycopersicum</i> L.) by means of iterative multiple linear regression analysis. 2008 , 47, 5961-70	22
1657	The fine structure and photosynthetic cost of structural leaf variegation. 2008 , 203, 653-662	16
1656	Effect of chromium species on phytochemical and physiological parameters in <i>Datura innoxia</i> . 2008 , 72, 763-71	54

1655	Antioxidative response to Cd in a newly discovered cadmium hyperaccumulator, <i>Arabis paniculata</i> F. 2008 , 74, 6-12	109
1654	Cadmium accumulation in sunflower plants influenced by arbuscular mycorrhiza. 2008 , 10, 1-13	100
1653	The Effect of Plant Pruning on the Light Conditions and Vegetative Development of Eggplant (<i>Solanum Melongena</i> L.) in Greenhouse Cultivation. 2008 , 68, 57-70	9
1652	Enhanced Selenium Content in Sweet Basil (<i>Ocimum Basilicum</i> L.) by Foliar Fertilization. 2008 , 69, 63-72	20
1651	Differences in leaf characteristics between ozone-sensitive and ozone-tolerant hybrid aspen (<i>Populus tremula</i> x <i>Populus tremuloides</i>) clones. 2009 , 29, 53-66	39
1650	Evaluation of a portable chlorophyll meter to estimate chlorophyll concentrations in leaves of tropical wood species from Amazonian forest. 2008 , 35, 185-188	10
1649	UV radiation, elevated CO ₂ and water stress effect on growth and photosynthetic characteristics in durum wheat. 2009 , 55, 443-453	13
1648	Determination of the Influence of Variety and Level of Maturity on the Content and Development of Carotenoids in Tomatoes. 2009 , 27, S200-S203	9
1647	Nitrogen availability, leaf life span and nitrogen conservation mechanisms in leaves of tropical trees. 2009 , 66, 812-818	1
1646	Epiphytes and hemiepiphytes have slower photosynthetic response to lightflecks than terrestrial plants: evidence from ferns and figs. 2009 , 25, 465-472	21
1645	Evolutionary tradeoffs for nitrogen allocation to photosynthesis versus cell walls in an invasive plant. 2009 , 106, 1853-6	213
1644	Detection of spatial-specific phytochrome responses using targeted expression of biliverdin reductase in <i>Arabidopsis</i> . 2009 , 149, 424-33	34
1643	Invasion Success by Plant Breeding. 2009 ,	2
1642	Transient winter leaf reddening in <i>Cistus creticus</i> characterizes weak (stress-sensitive) individuals, yet anthocyanins cannot alleviate the adverse effects on photosynthesis. 2009 , 60, 3031-42	52
1641	Changes of Growth, Amino Acids, and Ionic Composition in Strawberry Plants under Salt Stress Conditions. 2009 , 40, 3308-3322	10
1640	Differences in C metabolism of ash species and provenances as a consequence of root oxygen deprivation by waterlogging. 2009 , 60, 4335-45	37
1639	Manganese deficiency leads to genotype-specific changes in fluorescence induction kinetics and state transitions. 2009 , 150, 825-33	55
1638	Anthocyanin influence on light absorption within juvenile and senescing sugar maple leaves - do anthocyanins function as photoprotective visible light screens?. 2009 , 36, 793-800	8

1637	Raffinose in chloroplasts is synthesized in the cytosol and transported across the chloroplast envelope. 2009 , 50, 2174-82	84
1636	Natural variation reveals relationships between pre-stress carbohydrate nutritional status and subsequent responses to xenobiotic and oxidative stress in <i>Arabidopsis thaliana</i> . 2009 , 104, 1323-37	53
1635	Turnover of fatty acids during natural senescence of <i>Arabidopsis</i> , <i>Brachypodium</i> , and switchgrass and in <i>Arabidopsis</i> beta-oxidation mutants. 2009 , 150, 1981-9	107
1634	An environmental record of changes in sedimentary organic matter from Lake Sattal in Kumaun Himalayas, India. 2009 , 407, 2783-95	28
1633	Differential patterns of reactive oxygen species and antioxidative mechanisms during atrazine injury and sucrose-induced tolerance in <i>Arabidopsis thaliana</i> plantlets. 2009 , 9, 28	218
1632	Evaluation of film forming polymers to control apple scab (<i>Venturia inaequalis</i> (Cooke) G. Wint.) under laboratory and field conditions. 2009 , 28, 30-35	11
1631	Field evaluation of systemic inducing resistance chemicals at different growth stages for the control of apple (<i>Venturia inaequalis</i>) and pear (<i>Venturia pirina</i>) scab. 2009 , 28, 629-633	43
1630	Effects of irrigation system and green manure on yield and nicotine content of Virginia (flue-cured) Organic tobacco (<i>Nicotiana tabacum</i>), under Mediterranean conditions. 2009 , 29, 388-394	23
1629	Lead, zinc, cadmium hyperaccumulation and growth stimulation in <i>Arabis paniculata</i> Franch. 2009 , 66, 126-134	149
1628	Alterations in chlorophyll a fluorescence, pigment concentrations and lipid peroxidation to chilling temperature in coffee seedlings. 2009 , 67, 71-76	18
1627	Nutrient solution concentration and growing season affect yield and quality of <i>Lactuca sativa</i> L. var. <i>acephala</i> in floating raft culture. 2009 , 89, 1682-1689	116
1626	Effect of methyl jasmonate on quality and antioxidant activity of postharvest loquat fruit. 2009 , 89, 2064-2070	42
1625	Seasonal differences in leaf-level physiology give lianas a competitive advantage over trees in a tropical seasonal forest. 2009 , 161, 25-33	101
1624	Cost-benefit relationships in sclerophyllous leaves of the "Bana" vegetation in the Amazon region. 2009 , 23, 429-437	7
1623	Carbon and nitrogen partitioning in the freshwater submerged macrophyte <i>Vallisneria gigantea</i> in response to ultraviolet-B irradiance. 2009 , 43, 313-322	5
1622	Salt stress effects on growth, pigments, proteins and lipid peroxidation in <i>Salicornia persica</i> and <i>S. europaea</i> . 2009 , 53, 243-248	91
1621	The effect of drought on photosynthesis in two epiphytic and two terrestrial tropical fern species. 2009 , 47, 128-132	16
1620	Evidence for light-independent and steeply decreasing PSII efficiency along twig depth in four tree species. 2009 , 47, 223-231	11

1619	Drought resistance and recovery of photosystem II activity in a Mediterranean semi-deciduous shrub at the seedling stage. 2009 , 47, 284-292	13
1618	Leaf gas exchange, chlorophyll fluorescence and growth responses of <i>Melaleuca alternifolia</i> seedlings to flooding and subsequent recovery. 2009 , 47, 595-601	14
1617	Photosynthetic parameters of young Brazil nut (<i>Bertholletia excelsa</i> H. B.) plants subjected to fertilization in a degraded area in Central Amazonia. 2009 , 47, 616-620	14
1616	Biogeochemical records of paleoenvironmental changes in Nainital Lake, Kumaun Himalayas, India. 2009 , 42, 571-586	24
1615	Protective effect of rare earth against oxidative stress under ultraviolet-B radiation. 2009 , 128, 82-93	25
1614	Beneficial effects of exogenous selenium in cucumber seedlings subjected to salt stress. 2009 , 132, 259-69	134
1613	Inhibition of monoterpene biosynthesis accelerates oxidative stress and leads to enhancement of antioxidant defenses in leaves of rubber tree (<i>Hevea brasiliensis</i>). 2009 , 31, 95-101	10
1612	Leaf movement and photosynthetic plasticity of black locust (<i>Robinia pseudoacacia</i>) alleviate stress under different light and water conditions. 2009 , 31, 553-563	35
1611	Ameliorative Effects of Hydrogen Peroxide, Ascorbate and Dehydroascorbate in <i>Solanum Tuberosum</i> Infected by <i>Phytoplasma</i> . 2009 , 86, 218-226	11
1610	Differential expression of physiological and biochemical characters of some Indian mangroves towards salt tolerance. 2009 , 15, 151-60	11
1609	Effect of lead toxicity on aquatic macrophyte <i>Elodea canadensis</i> Michx. 2009 , 83, 249-54	36
1608	Comparison of the Drought Stress Responses of Tolerant and Sensitive Wheat Cultivars During Grain Filling: Changes in Flag Leaf Photosynthetic Activity, ABA Levels, and Grain Yield. 2009 , 28, 167-176	78
1607	Isoprene synthesis protects transgenic tobacco plants from oxidative stress. 2009 , 32, 520-31	180
1606	Expression of a <i>Pteris vittata</i> glutaredoxin PvGRX5 in transgenic <i>Arabidopsis thaliana</i> increases plant arsenic tolerance and decreases arsenic accumulation in the leaves. 2009 , 32, 851-8	57
1605	Beech carbon productivity as driver of ectomycorrhizal abundance and diversity. 2009 , 32, 992-1003	65
1604	Variations in the dorso-ventral organization of leaf structure and Kranz anatomy coordinate the control of photosynthesis and associated signalling at the whole leaf level in monocotyledonous species. 2009 , 32, 1833-44	14
1603	AtECB2, a pentatricopeptide repeat protein, is required for chloroplast transcript accD RNA editing and early chloroplast biogenesis in <i>Arabidopsis thaliana</i> . 2009 , 59, 1011-23	128
1602	Quantifying the metabolic cost to an Antarctic liverwort of responding to an abrupt increase in UVB radiation exposure. 2009 , 15, 2563-2573	44

1601	A novel chloroplast-localized protein EMB1303 is required for chloroplast development in Arabidopsis. 2009 , 19, 1205-16	40
1600	Steroid furostanol glycosides: A new class of natural adaptogenes (Review). 2009 , 45, 463-472	3
1599	Protective effect of melatonin against chlorophyll degradation during the senescence of barley leaves. 2009 , 46, 58-63	240
1598	Vertical distribution of Hymenophyllaceae species among host tree microhabitats in a temperate rain forest in Southern Chile. 2009 , 20, 588-595	29
1597	Chloroplast parameters differ in wild type and transgenic poplars overexpressing gsh1 in the cytosol. 2009 , 11, 625-30	9
1596	Latent manganese deficiency increases transpiration in barley (<i>Hordeum vulgare</i>). 2009 , 135, 307-16	66
1595	<i>Populus</i> from high altitude has more efficient protective mechanisms under water stress than from low-altitude habitats: a study in greenhouse for cuttings. 2009 , 137, 22-35	9
1594	Seed viability and functional properties of broccoli sprouts during germination and postharvest storage as affected by irradiation of seeds. 2009 , 74, C370-4	15
1593	Se(IV) phytotoxicity for monocotyledonae cereals (<i>Hordeum vulgare</i> L., <i>Triticum aestivum</i> L.) and dicotyledonae crops (<i>Sinapis alba</i> L., <i>Brassica napus</i> L.). 2009 , 172, 854-61	20
1592	Toxicity and removal efficiency of pharmaceutical metabolite clofibric acid by <i>Typha</i> spp.--potential use for phytoremediation?. 2009 , 100, 1156-61	94
1591	Seasonal structural and functional changes in the photosynthetic apparatus of evergreen conifers. 2009 , 56, 607-615	16
1590	Influence of earthworm mucus and amino acids on tomato seedling growth and cadmium accumulation. 2009 , 157, 2737-42	33
1589	Evaluation of anti-oxidative, genotoxic and antigenotoxic potency of <i>Codium tomentosum</i> Stackhouse ethanolic extract in human lymphocytes in vitro. 2009 , 47, 796-801	21
1588	Anatomy and photosynthetic parameters of roots and leaves of two shade-adapted orchids, <i>Dichaea cogniauxiana</i> Shltr. and <i>Epidendrum secundum</i> Jacq.. 2009 , 204, 604-611	18
1587	Photodegradation product of sulcotrione and the physiological response of maize (<i>Zea mays</i>) and white mustard (<i>Sinapis alba</i>). 2009 , 74, 1224-30	22
1586	Antioxidant response of bitter melon (<i>Momordica charantia</i> L.) seedlings to interactive effect of dimethoate and UV-B irradiation. 2009 , 120, 373-378	50
1585	Responses of cucumber plant to NH ₄ ⁺ and NO ₃ ⁻ nutrition: The relative addition rate technique vs. cultivation at constant nitrogen concentration. 2009 , 121, 397-403	29
1584	Improved productivity and quality associated with salicylic acid application in greenhouse pepper. 2009 , 122, 521-526	62

1583	Seasonal acclimation of superoxide anion production, antioxidants, IUFA, and electron transport rates in chloroplasts of two Sabina species. 2009 , 176, 696-701	7
1582	Effects of antimycin A and n-propyl gallate on photosynthesis in sun and shade plants. 2009 , 177, 643-647	20
1581	Effect of two satellite RNAs on <i>Nicotiana glutinosa</i> infected with Cucumber mosaic virus (CMV). 2009 , 74, 184-190	13
1580	Physiological and molecular responses of the isoprenoid biosynthetic pathway in a drought-resistant Mediterranean shrub, <i>Cistus creticus</i> exposed to water deficit. 2009 , 166, 136-45	51
1579	Senescence of aerial parts is impeded by exogenous gibberellic acid in herbaceous perennial <i>Paris polyphylla</i> . 2009 , 166, 819-30	32
1578	New transgenic line of <i>Arabidopsis thaliana</i> with partly disabled zeaxanthin epoxidase activity displays changed carotenoid composition, xanthophyll cycle activity and non-photochemical quenching kinetics. 2009 , 166, 1045-56	13
1577	Cytokinin activity of disubstituted aminopurines in <i>Amaranthus</i> . 2009 , 166, 1529-36	12
1576	Glutathione transferase activity and expression patterns during grain filling in flag leaves of wheat genotypes differing in drought tolerance: Response to water deficit. 2009 , 166, 1878-91	74
1575	Crop phenology modifies wheat responses to increased UV-B radiation. 2009 , 149, 1964-1974	34
1574	Influence of Cultivar and Growth Stage on Pigments and Processing Factors on Betacyanins in Red Amaranth (<i>Amaranthus tricolor</i> L.). 2009 , 15, 259-265	11
1573	Fecal chlorophyll describes the link between primary production and consumption in a terrestrial herbivore. 2009 , 19, 1323-35	17
1572	Sodium-calcium interactions with growth, water, and photosynthetic parameters in salt-treated beans. 2009 , 172, 637-643	12
1571	Effects of cadmium stress on alternative oxidase and photosystem II in three wheat cultivars. 2010 , 65, 87-94	7
1570	Physiological effects of glycinebetaine on gamma-irradiated stressed fenugreek plants. 2010 , 58, 103-111	
1569	Difference of physiological characters in dark green islands and yellow leaf tissue of Cucumber mosaic virus (CMV)-infected <i>Nicotiana tabacum</i> leaves. 2010 , 65, 73-8	17
1568	Melafen stimulates RNA polymerase I activity but has no effect on plastid gene transcription in barley. 2010 , 431, 82-6	1
1567	Detection of nitrogen-overfertilized rice plants with leaf positional difference in hyperspectral vegetation index. 2010 , 11, 465-70	9
1566	<i>Deschampsia antarctica</i> Desv. primary photochemistry performs differently in plants grown in the field and laboratory. 2010 , 33, 477-483	7

- 1565 Paclobutrazol Arrests Vegetative Growth and Unveils Unexpressed Yield Potential of *Jatropha curcas*. **2010**, 29, 307-315 60
- 1564 Effects of UV-B radiation on photosynthesis activity of *Wolffia arrhiza* as probed by chlorophyll fluorescence transients. **2010**, 45, 839-845 24
- 1563 State of Scots pine (*Pinus sylvestris* L.) under nutrient and water deficit on coastal dunes of the Baltic Sea. **2010**, 24, 1073-1085 11
- 1562 Assessment of Cr and Ni phytotoxicity from cutlery-washing waste-waters using biomass and chlorophyll production tests on mustard *Sinapis alba* L. seedlings. **2010**, 17, 187-94 10
- 1561 Selenium modifies the effect of short-term chilling stress on cucumber plants. **2010**, 138, 307-15 67
- 1560 Yellowing of disease? Or differentiating for adaptation? Study on *Cinnamomum camphora* ecotypes. **2010**, 12, 67-73
- 1559 Water relations and chlorophyll fluorescence responses of two leguminous trees from the Caatinga to different watering regimes. **2010**, 32, 235-244 27
- 1558 Elevated CO₂ ameliorated oxidative stress induced by elevated O₃ in *Quercus mongolica*. **2010**, 32, 375-385 25
- 1557 Ecophysiology parameters of four Brazilian Atlantic Forest species under shade and drought stress. **2010**, 32, 729-737 3
- 1556 Differential responses to cadmium induced oxidative stress in marine macroalga *Ulva lactuca* (Ulvales, Chlorophyta). **2010**, 23, 315-25 84
- 1555 Gibberellin retards chlorophyll degradation during senescence of *Paris polyphylla*. **2010**, 54, 395-399 30
- 1554 Estimation of the chlorophyll content of micropropagated potato plants using RGB based image analysis. **2010**, 100, 183-188 69
- 1553 Effects of Alkalization of the Environment on the Anatomy of Scots Pine (*Pinus sylvestris*) Needles. **2010**, 206, 13-22 14
- 1552 How Much Does the Presence of a Competitor Modify the Within-Canopy Distribution of Ozone-Induced Senescence and Visible Injury?. **2010**, 210, 265-276 5
- 1551 Differences in light usage among three fern species of genus *Blechnum* of contrasting ecological breadth in a forest light gradient. **2010**, 25, 273-281 12
- 1550 Editing of *accD* and *ndhF* chloroplast transcripts is partially affected in the *Arabidopsis* *vanilla cream1* mutant. **2010**, 73, 309-23 60
- 1549 Oxidative damage and antioxidant defense system in leaves of *Vicia faba major* L. cv. Bartom during soil flooding and subsequent drainage. **2010**, 327, 293-301 25
- 1548 Growth and antioxidant response in *Hydrocharis dubis* (Bl.) Backer exposed to linear alkylbenzene sulfonate. **2010**, 19, 761-9 18

1547	Biological responses of duckweed (<i>Lemna minor</i> L.) exposed to the inorganic arsenic species As(III) and As(V): effects of concentration and duration of exposure. 2010 , 19, 983-93	81
1546	Desiccation tolerance in <i>Pleurostima purpurea</i> (Velloziaceae). 2010 , 62, 193-202	17
1545	Inferring biological soil crust successional stage using combined PLFA, DGGE, physical and biophysiological analyses. 2010 , 42, 842-849	63
1544	Modulation of flavonoid biosynthetic pathway genes and anthocyanins due to virus infection in grapevine (<i>Vitis vinifera</i> L.) leaves. 2010 , 10, 187	134
1543	Responses of photosynthesis, lipid peroxidation and antioxidant system in leaves of <i>Quercus mongolica</i> to elevated O ₃ . 2010 , 69, 198-204	54
1542	Micro-geomorphology determines community structure of biological soil crusts at small scales. 2010 , 35, 932-940	88
1541	Differential Responses of Epiphytic and Planktonic Toxic Cyanobacteria to Allelopathic Substances of the Submerged Macrophyte <i>Stratiotes aloides</i> . 2010 , 95, 224-234	28
1540	Monitoring canopy biophysical and biochemical parameters in ecosystem scale using satellite hyperspectral imagery: An application on a <i>Phlomis fruticosa</i> Mediterranean ecosystem using multiangular CHRIS/PROBA observations. 2010 , 114, 977-994	111
1539	Simultaneous measurements of plant structure and chlorophyll content in broadleaf saplings with a terrestrial laser scanner. 2010 , 114, 2229-2237	100
1538	Antioxidant components and antioxidant/antiradical activities of desert truffle (<i>Tirmania nivea</i>) from various Middle Eastern origins. 2010 , 23, 15-22	71
1537	Early stage de-etiolation increases the ferulic acid content in winter triticale seedlings under full sunlight conditions. 2010 , 101, 279-85	7
1536	Arsenic accumulation pattern in 12 Indian ferns and assessing the potential of <i>Adiantum capillus-veneris</i> , in comparison to <i>Pteris vittata</i> , as arsenic hyperaccumulator. 2010 , 101, 8960-8	35
1535	Antioxidant capacities, procyanidins and pigments in avocados of different strains and cultivars. 2010 , 122, 1193-1198	189
1534	Remobilization of boron, photosynthesis, phenolic metabolism and anti-oxidant defense capacity in boron-deficient turnip (<i>Brassica rapa</i> L.) plants. 2010 , 56, 427-437	34
1533	Salinity-induced changes in essential oil, pigments and salts accumulation in sweet basil (<i>Ocimum basilicum</i>) in relation to alterations of morphological development. 2010 , 156, 167-177	48
1532	Light regulation to chlorophyll synthesis and plastid development of the chlorophyll-less golden-leaf privet. 2010 , 52, 809-16	11
1531	The transcription factor SlAREB1 confers drought, salt stress tolerance and regulates biotic and abiotic stress-related genes in tomato. 2010 , 33, 2191-208	153
1530	A cellulose synthase-like protein is required for osmotic stress tolerance in <i>Arabidopsis</i> . 2010 , 63, 128-40	94

1529	AtCPK1 calcium-dependent protein kinase mediates pathogen resistance in Arabidopsis. 2010 , 63, 526-40	152
1528	Effects of different nitric oxide application on quality of kiwifruit during 20 °C storage. 2010 , 45, 245-251	30
1527	Hydrolysis of Chlorella by Cellulomonas sp. YJ5 cellulases and its biofunctional properties. 2010 , 75, H317-23	16
1526	Exploiting plants for glutathione (GSH) production: Uncoupling GSH synthesis from cellular controls results in unprecedented GSH accumulation. 2010 , 8, 807-20	65
1525	Analysis of fast chlorophyll fluorescence rise (O-K-J-I-P) curves in green fruits indicates electron flow limitations at the donor side of PSII and the acceptor sides of both photosystems. 2010 , 139, 313-23	27
1524	Growth, photosynthesis and antioxidant defense system in Zn-deficient red cabbage plants. 2010 , 56, 209-217	48
1523	Sorbitol-induced changes in various growth and biochemical parameters in maize. 2010 , 56, 263-267	40
1522	Drought tolerance in Zn-deficient red cabbage (<i>Brassica oleracea</i> L. var. capitata f. rubra) plants. 2010 , 37, 88-98	13
1521	Isolation and fusion of protoplasts from the phytopathogenic fungus <i>Sclerotium rolfsii</i> (Sacc.). 2010 , 41, 253-263	7
1520	Fotossíntese, rela�es hídricas e crescimento de cafeeiros jovens em rela� � disponibilidade de f�foro. 2010 , 45, 965-972	11
1519	Leaf lifetime photosynthetic rate and leaf demography in whole plants of <i>Ipomoea pes-caprae</i> growing with a low supply of calcium, a 'non-mobile' nutrient. 2010 , 61, 843-55	11
1518	Putative mutation mechanism and light responses of a protochlorophyllide oxidoreductase-less barley mutant NYB. 2010 , 51, 1361-71	12
1517	Functional analysis of the pathways for 2-Cys peroxiredoxin reduction in <i>Arabidopsis thaliana</i> chloroplasts. 2010 , 61, 4043-54	151
1516	EFFECTS OF METHYL JASMONATE TREATMENT ON ALLEVIATION OF CADMIUM DAMAGES IN SOYBEAN. 2010 , 33, 1016-1025	34
1515	Antioxidant responses of in vitro shoots of <i>Deschampsia antarctica</i> to Polyethylene glycol treatment. 2010 , 22, 163-169	8
1514	Sodium bisulfite improves rhizome yield and quality in <i>Paris polyphylla</i> . 2010 , 76, 489-94	5
1513	Role of thylakoid ATP/ADP carrier in photoinhibition and photoprotection of photosystem II in <i>Arabidopsis</i> . 2010 , 153, 666-77	37
1512	Effects of exogenous abscisic acid on yield, antioxidant capacities, and phytochemical contents of greenhouse grown lettuces. 2010 , 58, 6503-9	80

1511	Auxin-producing <i>Bacillus</i> sp.: Auxin quantification and effect on the growth of <i>Solanum tuberosum</i> . 2010 , 82, 313-319	53
1510	Synthesis of phenolics and flavonoids in ginger (<i>Zingiber officinale</i> Roscoe) and their effects on photosynthesis rate. 2010 , 11, 4539-55	46
1509	The effect of arbuscular mycorrhizal fungi and phosphate amendement on arsenic uptake, accumulation and growth of <i>Pteris vittata</i> in As-contaminated soil. 2010 , 12, 384-403	27
1508	Physiological Effects of Glycinebetaine on Gamma-Irradiated Fenugreek Plants. 2010 , 17, 60-74	1
1507	Genetic algorithm interval partial least squares regression combined successive projections algorithm for variable selection in near-infrared quantitative analysis of pigment in cucumber leaves. 2010 , 64, 786-94	38
1506	Cadmium tolerance of carbon assimilation enzymes and chloroplast in Zn/Cd hyperaccumulator <i>Picris divaricata</i> . 2010 , 167, 81-7	112
1505	Chlororespiration and tolerance to drought, heat and high illumination. 2010 , 167, 732-8	56
1504	The role of subcellular distribution of cadmium and phytochelatins in the generation of distinct phenotypes of AtPCS1- and CePCS3-expressing tobacco. 2010 , 167, 981-8	54
1503	<i>Piriformospora indica</i> confers drought tolerance in Chinese cabbage leaves by stimulating antioxidant enzymes, the expression of drought-related genes and the plastid-localized CAS protein. 2010 , 167, 1009-17	263
1502	Studies on the usefulness of <i>Cucurbita maxima</i> for the production of ready-to-eat dried vegetable snacks with a high carotenoid content. 2010 , 43, 302-309	21
1501	Diurnal patterns of Tocopherol accumulation in Mediterranean plants. 2010 , 74, 1572-1576	9
1500	Interference of nickel with the photosynthetic apparatus of <i>Zea mays</i> . 2010 , 73, 982-6	17
1499	Simultaneous ozone fumigation and fluoranthene sprayed as mists negatively affected cherry tomato (<i>Lycopersicon esculentum</i> Mill). 2010 , 73, 1028-33	10
1498	Negative effects of fluoranthene on the ecophysiology of tomato plants (<i>Lycopersicon esculentum</i> Mill) Fluoranthene mists negatively affected tomato plants. 2010 , 78, 877-84	62
1497	Tocopherol composition in flower organs of <i>Lilium</i> and its variations during natural and artificial senescence. 2010 , 179, 289-295	30
1496	Biomass yield and accumulations of bioactive compounds in red amaranth (<i>Amaranthus tricolor</i> L.) grown under different colored shade polyethylene in spring season. 2010 , 123, 289-294	25
1495	Bulk organic matter characteristics in the Pichavaram mangrove estuarine complex, south-eastern India. 2010 , 25, 1176-1186	28
1494	Mechanism of photosynthetic response in <i>Microcystis aeruginosa</i> PCC7806 to low inorganic phosphorus. 2010 , 9, 613-619	62

1493	Chromium(VI) bioremediation by aquatic macrophyte <i>Callitriche cophocarpa</i> Sendtn. 2010 , 79, 1077-83	58
1492	Desiccation tolerance mechanism in resurrection fern-ally <i>Selaginella tamariscina</i> revealed by physiological and proteomic analysis. 2010 , 9, 6561-77	91
1491	Antioxidant and Cytotoxic Activities of Lipophilic and Hydrophilic Fractions of <i>Mentha Spicata</i> L. (Lamiaceae). 2010 , 13, 23-31	9
1490	Relationships among shoot tissue, canopy and photosynthetic characteristics in the feathermoss <i>Pleurozium schreberi</i> . 2011 , 114, 367-378	16
1489	Involvement of oxidative stress and autointoxication in leaf senescence of <i>Amomum villosum</i> . 2011 , 145, 762-769	2
1488	Study on the use of <i>Typha</i> spp. for the phytotreatment of water contaminated with ibuprofen. 2011 , 91, 654-667	38
1487	Effect of saltstress on growth, photosynthesis and chlorophyll content in <i>Viola tricolor</i> . 2011 ,	
1486	Dorsoventral variations in dark chilling effects on photosynthesis and stomatal function in <i>Paspalum dilatatum</i> leaves. 2011 , 62, 687-99	12
1485	Rapid catalytic microwave method to damage <i>Microcystis aeruginosa</i> with FeCl ₃ -loaded active carbon. 2011 , 45, 4521-6	27
1484	Computer and Computing Technologies in Agriculture IV. 2011 ,	2
1483	Methods to study stromal-cell derived factor 2 in the context of ER stress and the unfolded protein response in <i>Arabidopsis thaliana</i> . 2011 , 490, 295-319	1
1482	Association of ant nests with successional stages of biological soil crusts in the Tengger Desert, Northern China. 2011 , 47, 59-66	45
1481	In vivo noninvasive detection of chlorophyll distribution in cucumber (<i>Cucumis sativus</i>) leaves by indices based on hyperspectral imaging. 2011 , 706, 105-12	52
1480	Determination of antioxidant activity and antioxidant content in tomato varieties and evaluation of mutual interactions between antioxidants. 2011 , 44, 1703-1710	87
1479	Light promotes an increase of cytokinin oxidase/dehydrogenase activity during senescence of barley leaf segments. 2011 , 168, 694-8	13
1478	Is the oxidative stress caused by <i>Aspidosperma</i> spp. galls capable of altering leaf photosynthesis?. 2011 , 180, 489-95	52
1477	Exploiting leaf starch synthesis as a transient sink to elevate photosynthesis, plant productivity and yields. 2011 , 181, 275-81	50
1476	Broadband, red-edge information from satellites improves early stress detection in a New Mexico conifer woodland. 2011 , 115, 3640-3646	153

1475	Changes in enzymes involved in photosynthesis and other metabolic processes in the fruit of <i>Opuntia ficus-indica</i> during growth and ripening. 2011 , 128, 213-219	10
1474	Proline and light as quality enhancers of rocket (<i>Eruca sativa</i> Miller) grown under saline conditions. 2011 , 128, 393-400	22
1473	Effects of foliar application of some macro- and micro-nutrients on tomato plants in aquaponic and hydroponic systems. 2011 , 129, 396-402	76
1472	Cadmium Accumulation and Translocation in Two Jerusalem Artichoke (<i>Helianthus tuberosus</i> L.) Cultivars. 2011 , 21, 573-580	45
1471	Effect of Drought at the Post-anthesis Stage on Remobilization of Carbon Reserves and Some Physiological Changes in the Flag Leaf of Two Wheat Cultivars Differing in Drought Resistance. 2011 , 3,	5
1470	Antioxidant responses of lentil and barley plants to boron toxicity under different nitrogen sources. 2011 , 10, 10882-10891	13
1469	Effect of Se-metal pair combinations (Cd, Zn, Cu, Pb) on photosynthetic pigments production and Metal accumulation in <i>Sinapis alba</i> L. seedlings. 2011 , 52, 8-15	54
1468	Laser-induced chlorophyll fluorescence and reflectance spectroscopy of cadmium treated <i>Triticum aestivum</i> L. plants. 2011 , 26, 129-139	13
1467	Double mutation in photosystem II reaction centers and elevated CO ₂ grant thermotolerance to mesophilic cyanobacterium. 2011 , 6, e28389	9
1466	Ecophysiological modelling of leaf level photosynthetic performance for three Mediterranean species with different growth forms. 2011 , 38, 314-326	6
1465	Influence of Manganese Deficiency on Metal Ion Uptake, Antioxidant Defense Mechanism and Lipid Peroxidation Levels in <i>Mentha Piperita</i> Leaves. 2011 , 53,	
1464	Foliar Application of Salicylic Acid Improved the Growth, Yield and Leaf's Bioactive Compounds in Red Amaranth (<i>Amaranthus tricolor</i> L.). 2011 , 74, 77-86	22
1463	An insight into functional genomics of transgenic lines of tomato cv Rio Grande harbouring yeast halotolerance genes. 2011 , 13, 620-31	5
1462	Over-expression of <i>gsh1</i> in the cytosol affects the photosynthetic apparatus and improves the performance of transgenic poplars on heavy metal-contaminated soil. 2011 , 13, 649-59	32
1461	Phenotypic plasticity to light of two congeneric trees from contrasting habitats: Brazilian Atlantic Forest versus cerrado (savanna). 2012 , 14, 208-15	32
1460	Soil Drought Applied During the Vegetative Growth of Triticale Modifies the Physiological and Biochemical Adaptation to Drought During the Generative Development. 2011 , 197, 113-123	25
1459	Carotenoid-enriched microalgal biomass as feed supplement for freshwater ornamentals: albinic form of wels catfish (<i>Silurus glanis</i>). 2011 , 17, 278-286	31
1458	Which Extent is Plasticity to Light Involved in the Ecotypic Differentiation of a Tree Species from Savanna and Forest?. 2011 , 43, 695-703	22

1457	A point mutation in the pentatricopeptide repeat motif of the AtECB2 protein causes delayed chloroplast development. 2011 , 53, 258-69	25
1456	Photodynamic treatment of <i>Chaoborus crystallinus</i> larvae with chlorophyllin induces necrosis and apoptosis. 2011 , 87, 1113-22	22
1455	UV-B induces leaf reddening and supports photosynthesis in the seagrass <i>Thalassia testudinum</i> . 2011 , 409, 136-142	10
1454	Salinity-induced oxidative stress and regulation of antioxidant defense system in the marine macroalga <i>Ulva prolifera</i> . 2011 , 409, 223-228	67
1453	Growth and cesium uptake responses of <i>Phytolacca americana</i> Linn. and <i>Amaranthus cruentus</i> L. grown on cesium contaminated soil to elevated CO ₂ or inoculation with a plant growth promoting rhizobacterium <i>Burkholderia</i> sp. D54, or in combination. 2011 , 198, 188-97	34
1452	Kinetin applications alleviate salt stress and improve the antioxidant composition of leaf extracts in <i>Salvia officinalis</i> . 2011 , 49, 1165-76	27
1451	An investigation into robust spectral indices for leaf chlorophyll estimation. 2011 , 66, 751-761	185
1450	Photosynthesis, growth and survival of the Mediterranean seagrass <i>Posidonia oceanica</i> in response to simulated salinity increases in a laboratory mesocosm system. 2011 , 92, 286-296	42
1449	Combined effects of nitrogen deposition and water stress on growth and physiological responses of two annual desert plants in northwestern China. 2011 , 74, 1-8	46
1448	Physiological, anatomical and phenotypical effects of a cadmium stress in different-aged chlorophyllian organs of <i>Myriophyllum alterniflorum</i> DC (Haloragaceae). 2011 , 72, 174-181	41
1447	Desiccation induced oxidative stress and its biochemical responses in intertidal red alga <i>Gracilaria corticata</i> (Gracilariales, Rhodophyta). 2011 , 72, 194-201	71
1446	<i>Nostoc sphaeroides</i> Kütz, an excellent candidate producer for CELSS. 2011 , 48, 1565-1571	12
1445	Involvement of calcium-mediated effects on ROS metabolism in the regulation of growth improvement under salinity. 2011 , 51, 1221-34	71
1444	Toxicity assessment of a common laundry detergent using the freshwater flagellate <i>Euglena gracilis</i> . 2011 , 84, 1392-400	39
1443	Responses of chlorophyll b-Free chlorina 3613 barley mutant to a prolonged decrease in illuminance: 1. Dynamics of chlorophyll content, growth, and productivity. 2011 , 58, 1-8	12
1442	Responses of chlorophyll b-less chlorina 3613 mutant of barley to a prolonged decrease in illuminance: 2. Dynamics of carotenoids in leaf chloroplasts. 2011 , 58, 218-225	6
1441	Comparative toxicity of the pesticides carbofuran and malathion to the freshwater flagellate <i>Euglena gracilis</i> . 2011 , 20, 1442-54	34
1440	Cytokinin and abscisic acid control plastid gene transcription during barley seedling de-etiolation. 2011 , 64, 173-183	17

- 1439 Differential responses of *Myriophyllum alterniflorum* DC (Haloragaceae) organs to copper: physiological and developmental approaches. **2011**, 664, 95-105 27
- 1438 Laser-induced chlorophyll fluorescence: a technique for detection of dimethoate effect on chlorophyll content and photosynthetic activity of wheat plant. **2011**, 21, 785-91 17
- 1437 Innate and evolutionarily increased advantages of invasive *Eupatorium adenophorum* over native *E. japonicum* under ambient and doubled atmospheric CO₂ concentrations. **2011**, 13, 2703-2714 13
- 1436 Superior performance and nutrient-use efficiency of invasive plants over non-invasive congeners in a resource-limited environment. **2011**, 13, 3005-3014 58
- 1435 Heat tolerance in rice mutants is associated with reduced accumulation of reactive oxygen species. **2011**, 55, 14
- 1434 Are the fluorescence parameters of German chamomile leaves the first indicators of the anthodia yield in drought conditions?. **2011**, 49, 87-97 19
- 1433 Seasonal variation in ammonia compensation point and nitrogen pools in beech leaves (*Fagus sylvatica*). **2011**, 343, 51-66 24
- 1432 About the role of CK2 in plant signal transduction. **2011**, 356, 233-40 13
- 1431 Effects of light quality on growth and development of protocorm-like bodies of *Dendrobium officinale* in vitro. **2011**, 105, 329-335 65
- 1430 Influence of Airborne Pollution on Cd, Zn, Pb, Cu, and Al Accumulation and Physiological Parameters of Plant Leaves in Antakya (Turkey). **2011**, 214, 509-523 55
- 1429 Productivity correlated to photobiochemical performance of *Chlorella* mass cultures grown outdoors in thin-layer cascades. **2011**, 38, 307-17 105
- 1428 Relating genetic variation of ecologically important tree traits to associated organisms in full-sib aspen families. **2011**, 130, 707-716 10
- 1427 Overexpression of NlgCycB Isolated from Interspecific Hybrid of *N. langsdorffii* *N. glauca* Alters Root Growth and Root Hair Development. **2011**, 30, 367-377
- 1426 The *aba3-1* Mutant of *Arabidopsis thaliana* Withstands Moderate Doses of Salt Stress by Modulating Leaf Growth and Salicylic Acid Levels. **2011**, 30, 456-466 16
- 1425 Effects of calcium levels on colonial aggregation and buoyancy of *Microcystis aeruginosa*. **2011**, 62, 679-83 67
- 1424 Effect of cerium on photosynthetic pigments and photochemical reaction activity in soybean seedling under ultraviolet-B radiation stress. **2011**, 142, 796-806 19
- 1423 Effects of Iso-osmotic Concentrations of NaCl and Mannitol on some Metabolic Activity in Calluses of Two *Salicornia* species. **2011**, 47, 734-742 20
- 1422 Physiological effects of glycinebetaine on gamma-irradiated stressed fenugreek plants. **2011**, 33, 1135-1140 6

1421	Effect of aluminum toxicity and phosphorus deficiency on the growth and photosynthesis of oil tea (<i>Camellia oleifera</i> Abel.) seedlings in acidic red soils. 2011 , 33, 1285-1292	26
1420	The effect of 24-epibrassinolide and clotrimazole on the adaptation of <i>Cajanus cajan</i> (L.) Millsp. to salinity. 2011 , 33, 1887-1896	31
1419	Effect of natural biostimulants on yield and nutritional quality: an example of sweet yellow pepper (<i>Capsicum annuum</i> L.) plants. 2011 , 91, 2146-52	85
1418	<i>Araç</i> (<i>Psidium cattleianum</i> Sabine) fruit extracts with antioxidant and antimicrobial activities and antiproliferative effect on human cancer cells. 2011 , 128, 916-922	76
1417	Assessment of nutrient composition and antioxidant potential of Caulerpaceae seaweeds. 2011 , 24, 270-278	55
1416	Disentangling the relationships between plant pigments and the photochemical reflectance index reveals a new approach for remote estimation of carotenoid content. 2011 , 115, 628-635	83
1415	Metabolism of the seed and endocarp of cherry (<i>Prunus avium</i> L.) during development. 2011 , 49, 923-30	21
1414	Simple assessment of needleleaf and broadleaf chlorophyll content using a flatbed color scanner. 2011 , 41, 1445-1451	4
1413	Effect of Nitrogen and Sulphur on the Growth and Qualities of Bunching Onion. 2011 , 366, 127-131	1
1412	DOLICHOL PHOSPHATE MANNOSE SYNTHASE1 mediates the biogenesis of isoprenyl-linked glycans and influences development, stress response, and ammonium hypersensitivity in <i>Arabidopsis</i> . 2011 , 23, 1985-2005	36
1411	A comparative analysis of the NADPH thioredoxin reductase C-2-Cys peroxiredoxin system from plants and cyanobacteria. 2011 , 155, 1806-16	27
1410	Growth and development of pepper are affected by humic substances derived from composted sludge. 2011 , 174, 916-924	39
1409	Effect of the Nitrogen Nutrient on Pigments of Flower Stalk in Chinese Kale. 2011 , 142, 37-41	1
1408	The GDC1 gene encodes a novel ankyrin domain-containing protein that is essential for grana formation in <i>Arabidopsis</i> . 2011 , 155, 130-41	27
1407	Identification and functional analysis of Joka2, a tobacco member of the family of selective autophagy cargo receptors. 2011 , 7, 1145-58	98
1406	A mutation in <i>Arabidopsis</i> seedling plastid development1 affects plastid differentiation in embryo-derived tissues during seedling growth. 2011 , 155, 342-53	15
1405	Arbuscular mycorrhizal fungi and biological control of <i>Verticillium</i> -wilted cotton plants. 2011 , 44, 933-942	8
1404	Effect of 1-MCP treatment on nutritive and functional properties of loquat fruit during cold storage. 2011 , 39, 61-70	26

1403	Biochemical and structural characteristics of Scots pine (<i>Pinus sylvestris</i> L.) in an alkaline environment. 2011 , 60, 264	15
1402	Quizalofop-p-ethyl-induced phytotoxicity and genotoxicity in <i>Lemna minor</i> and <i>Lemna gibba</i> . 2012 , 47, 1631-43	21
1401	EFFECTS OF ALKALI-STRESS ON UNGRAFTED AND GRAFTED CUCUMBER PLANTS: USING TWO TYPES OF LOCAL SQUASH AS ROOTSTOCK. 2012 , 35, 1843-1852	6
1400	Characterization of normal and albino phenotypes in <i>Erythrina crista-galli</i> . 2012 , 65, 199-207	1
1399	Improving growth and yield of cowpea by foliar application of chitosan under water stress. 2012 , 14,	25
1398	GGE Biplot as a novel tool for the investigation of marigold (<i>Tagetes erecta</i> L.) seedling growth on composted corn stalk as a substrate. 2012 , 3, 8	1
1397	Characterization of a viral synergism in the monocot <i>Brachypodium distachyon</i> reveals distinctly altered host molecular processes associated with disease. 2012 , 160, 1432-52	53
1396	Heavy metal pollution and physiological changes in the leaves of some shrub, palm and tree species in urban areas of Adana, Turkey. 2012 , 24, 65-78	25
1395	Growth and nutrient uptake dynamics of <i>Mytilaria laosensis</i> seedlings under exponential and conventional fertilizations. 2012 , 58, 618-626	8
1394	The link between shrimp farm runoff and blooms of toxic <i>Heterosigma akashiwo</i> in Red Sea coastal waters. 2012 , 54, 287-309	21
1393	The impact of winter flooding with saline water on foliar carbon uptake and the volatile fraction of leaves and fruits of lemon (<i>Citrus limon</i>) trees. 2012 , 39, 199-213	13
1392	Selenium supplementation stimulates vegetative and reproductive growth in canola (<i>Brassica napus</i> L.) plants. 2012 , 99,	23
1391	Subcellular Compartmentation of Cysteine Synthesis in Plants – One Step More. 2012 , 71-75	
1390	The inositol monophosphatase All2917 (IMPA1) is involved in osmotic adaptation in <i>Anabaena</i> sp. PCC7120. 2012 , 4, 622-32	3
1389	Hormonal regulation of leaf senescence in <i>Lilium</i> . 2012 , 169, 1542-50	9
1388	Toxicological effects of nanometer titanium dioxide (nano-TiO ₂) on <i>Chlamydomonas reinhardtii</i> . 2012 , 84, 155-62	115
1387	Significance of leaf structure and emission of volatile organic compounds in ozone tolerance of oat and wheat. 2012 , 90, 121-135	1
1386	The phytohormone methyl jasmonate as an activator of induced resistance against the necrotroph <i>Alternaria porri</i> f. sp. solani in tomato plants. 2012 , 7, 307-315	23

1385	Salt Stress-induced Responses in Growth and Metabolism in Callus Cultures and Differentiating In Vitro Shoots of Indian Ginseng (<i>Withania somnifera</i> Dunal). 2012 , 31, 537-548	30
1384	Monitoring moderate Cu and Cd toxicity by chlorophyll fluorescence and P700 absorbance in pea leaves. 2012 , 50, 380-386	34
1383	An LED-based fluorometer for chlorophyll quantification in the laboratory and in the field. 2012 , 114, 59-68	21
1382	Physiological and Genetic Responses to Pesticide Mixture Treatment of <i>Veronica beccabunga</i> . 2012 , 223, 6201-6212	12
1381	The effects of copper, manganese and zinc on plant growth and elemental accumulation in the manganese-hyperaccumulator <i>Phytolacca americana</i> . 2012 , 169, 1243-52	71
1380	Rapid in vitro regeneration method for <i>Moringa oleifera</i> and performance evaluation of field grown nutritionally enriched tissue cultured plants. 2012 , 2, 187-192	33
1379	Isolation and Characterization of <i>Dunaliella</i> Species from Sambhar Lake (India) and its Phylogenetic Position in the Genus <i>Dunaliella</i> Using 18S rDNA. 2012 , 35, 207-213	6
1378	Effects of arsenic on growth and photosystem II (PSII) activity of <i>Microcystis aeruginosa</i> . 2012 , 84, 104-11	52
1377	Hexavalent chromium reduction, uptake and oxidative biomarkers in <i>Halimione portulacoides</i> . 2012 , 83, 1-7	36
1376	Passage of rice necrosis mosaic virus property induced growth promotion in some plants of commercial importance and its molecular evidence. 2012 , 45, 2301-2323	4
1375	Analyses of leaves from open field-grown transgenic poplars overexpressing xyloglucanase. 2012 , 58, 281-289	4
1374	Chronic toxicity of a laundry detergent to the freshwater flagellate <i>Euglena gracilis</i> . 2012 , 21, 1957-64	21
1373	Role of Potassium in Barley Plant Stand Architecture and Yield Formation. 2012 , 43, 2603-2614	3
1372	Salicylic acid analogues with biological activity may induce chilling tolerance of maize (<i>Zea mays</i>) seeds. 2012 , 90, 845-855	30
1371	Chlorophyll index, photochemical reflectance index and chlorophyll fluorescence measurements of rice leaves supplied with different N levels. 2012 , 113, 7-13	50
1370	Comparisons of plastic responses to irradiance and physiological traits by invasive <i>Eupatorium adenophorum</i> and its native congeners. 2012 , 169, 884-91	19
1369	Enhancement of microalgal biomass and lipid productivities by a model of photoautotrophic culture with heterotrophic cells as seed. 2012 , 118, 431-7	46
1368	Carbon fixation by biological soil crusts following revegetation of sand dunes in arid desert regions of China: A four-year field study. 2012 , 97, 119-126	88

1367	The growth, photosynthesis and antioxidant defense responses of five vegetable crops to phenanthrene stress. 2012 , 80, 132-9	64
1366	Photosynthetic characteristics and antioxidant enzyme system in high-chlorophyll rice Gc mutant. 2012 , 59, 691-695	2
1365	Some physiological responses of chickpea cultivars to arbuscular mycorrhiza under drought stress. 2012 , 59, 708-716	18
1364	Forest phenology and a warmer climate allowing growing season extension in relation to climatic provenance. 2012 , 18, 2008-2025	85
1363	Seasonal effects on the relationship between photosynthesis and leaf carbohydrates in orange trees. 2012 , 39, 471-480	24
1362	Determination of Yielding Ability, Free Radical Scavenging Activity, Protein and Carotenoid Contents of Selected Genotypes of <i>Amaranthus tricolor</i> . 2012 , 4, 243-247	
1361	Relationship between various physiological and biochemical parameters activated by cadmium in <i>Sinapis alba</i> L. and <i>Hordeum vulgare</i> L.. 2012 , 49, 65-72	12
1360	Seasonal functioning and dynamics of <i>Caulerpa prolifera</i> meadows in shallow areas: An integrated approach in Cadiz Bay Natural Park. 2012 , 112, 255-264	19
1359	The effect of salinity increase on the photosynthesis, growth and survival of the Mediterranean seagrass <i>Cymodocea nodosa</i> . 2012 , 115, 260-271	38
1358	Source-sink relationship and photosynthesis in the horn-shaped gall and its host plant <i>Copaifera langsdorffii</i> Desf. (Fabaceae). 2012 , 83, 121-126	35
1357	Leaf nitrogen allocation and partitioning in three groundwater-dependent herbaceous species in a hyper-arid desert region of north-western China. 2012 , 60, 61	6
1356	Differential effect of short-term cold stress on growth, anatomy, and hormone levels in cold-sensitive versus -resistant cultivars of <i>Digitaria eriantha</i> . 2012 , 34, 2079-2091	11
1355	Nickel and ultraviolet-B stresses induce differential growth and photosynthetic responses in <i>Pisum sativum</i> L. seedlings. 2012 , 149, 86-96	34
1354	A study on selected physiological parameters of plants grown under lithium supplementation. 2012 , 149, 425-30	34
1353	Effects of Sb(V) on growth and chlorophyll fluorescence of <i>Microcystis aeruginosa</i> (FACHB-905). 2012 , 65, 733-41	9
1352	Determination of the Anti-Oxidative Capacity and Bioactive Compounds in Green Seaweed <i>Ulva rigida</i> C. Agardh. 2012 , 15, 1182-1189	34
1351	The water adaptability of <i>Jatropha curcas</i> is modulated by soil nitrogen availability. 2012 , 47, 71-81	10
1350	INFLUENCE OF DIFFERENT SEED PRIMING METHODS FOR IMPROVING SALT STRESS TOLERANCE IN LETTUCE PLANTS. 2012 , 35, 1910-1922	10

1349	Verticillium longisporum infection affects the leaf apoplastic proteome, metabolome, and cell wall properties in Arabidopsis thaliana. 2012 , 7, e31435	90
1348	Trait values, not trait plasticity, best explain invasive species' performance in a changing environment. 2012 , 7, e48821	65
1347	Chlorophyll Fluorescence Spectra as an Indicator of X-Ray+EMS-Induced Phytotoxicity in Safflower. 2012 , 27, 207-214	6
1346	Metal Uptake and Physiological Changes in Lemna gibba Exposed to Manganese and Nickel. 2012 , 4,	16
1345	Using Chlorophyll Fluorescence Imaging for Early Assessment of Photosynthesis Tolerance to Drought, Heat and High Illumination. 2012 ,	
1344	Gradients of the content of photosynthetic pigments and radiation as manifestations of the health condition of Norway spruce (Picea abies [L.] Karst.). 2012 , 50, 489-495	1
1343	Moderate warm temperature improves shoot growth, affects carbohydrate status and stimulates photosynthesis of sweet orange plants. 2012 , 24, 37-46	14
1342	Apoplastic Antioxidant Enzymes in the Leaves of Two Strawberry Cultivars and Their Relationship to Cold-Hardiness. 2012 , 40, 114	3
1341	Chlorophyllin for the control of Ichthyophthirius multifiliis (Fouquet). 2012 , 111, 729-33	25
1340	Enhancing the growth of Physcomitrella patens by combination of monochromatic red and blue light - a kinetic study. 2012 , 7, 527-36	19
1339	Effects of light intensity on the growth and lipid accumulation of microalga Scenedesmus sp. 11-1 under nitrogen limitation. 2012 , 166, 2127-37	113
1338	Effects of wastewater irrigation on chemical and physical properties of Petroselinum crispum. 2012 , 146, 369-75	8
1337	Changes of antioxidative enzymes, lipid peroxidation and chlorophyll content in chickpea types colonized by different Glomus species under drought stress. 2012 , 56, 5-18	39
1336	Competition and soil fungi affect the physiological and growth traits of an alien and a native tree species. 2012 , 50, 77-85	6
1335	Effects of light and ventilation on physiological parameters during in vitro acclimatization of Gevuina avellana mol. 2012 , 110, 93-101	19
1334	Oligo-Carrageenans Stimulate Growth by Enhancing Photosynthesis, Basal Metabolism, and Cell Cycle in Tobacco Plants (var. Burley). 2012 , 31, 173-185	39
1333	Over-expressing GsGST14 from Glycine soja enhances alkaline tolerance of transgenic Medicago sativa. 2012 , 56, 516-520	10
1332	Nitrogen remobilization in shoots of Paris polyphylla is altered by gibberellic acid application during senescence. 2012 , 56, 717-723	4

1331	Long-term structural canopy changes sustain net photosynthesis per ground area in high arctic <i>Vaccinium uliginosum</i> exposed to changes in near-ambient UV-B levels. 2012 , 145, 540-50	6
1330	Evaluation of the photosynthetic activity in transgenic tobacco plants with altered endogenous cytokinin content: lessons from cytokinin. 2012 , 144, 394-408	21
1329	Delayed senescence of apple leaves by exogenous melatonin treatment: toward regulating the ascorbate-glutathione cycle. 2012 , 53, 11-20	285
1328	n-PROPYL GALLATE IS AN INHIBITOR TO TOMATO FRUIT RIPENING. 2012 , 36, 657-666	6
1327	The effect of copper ions on the lipid composition of subcellular membranes in <i>Hydrilla verticillata</i> . 2012 , 89, 108-13	32
1326	Possible nutrient limiting factor in long term operation of closed aquatic ecosystem. 2012 , 49, 841-849	7
1325	New approaches concerning the utilization of natural amendments in cadmium phytoremediation. 2012 , 35, 53-60	36
1324	Tolerance or sensitivity responses of <i>Mentha pulegium</i> to osmotic and waterlogging stress in terms of antioxidant defense systems and membrane lipid peroxidation. 2012 , 75, 83-88	19
1323	Water-stress-induced thermotolerance of photosynthesis in bean (<i>Phaseolus vulgaris</i> L.) plants: The possible involvement of lipid composition and xanthophyll cycle pigments. 2012 , 77, 127-140	25
1322	Extinction coefficient for red-shifted chlorophylls: chlorophyll d and chlorophyll f. 2012 , 1817, 1292-8	99
1321	Relationship between light intensity and morphology of the moss <i>Physcomitrella patens</i> in a draft tube photo bioreactor. 2012 , 60, 119-126	6
1320	Sequential heterotrophy-dilution-photoinduction cultivation for efficient microalgal biomass and lipid production. 2012 , 112, 206-11	80
1319	In vitro antibacterial activity and phytochemical analysis of <i>Catharanthus roseus</i> (Linn.) G. Don.. 2012 , 2, S155-S158	24
1318	The mitigation effects of exogenous melatonin on salinity-induced stress in <i>Malus hupehensis</i> . 2012 , 53, 298-306	317
1317	Combination of light exposure and low temperature in preserving quality and extending shelf-life of fresh-cut broccoli (<i>Brassica oleracea</i> L.). 2012 , 72, 76-81	64
1316	A novel role for cyanide in the control of cucumber (<i>Cucumis sativus</i> L.) seedlings response to environmental stress. 2012 , 35, 1983-97	52
1315	Effect of mechanical damage on vigor, physiological parameters, and susceptibility of oat (<i>Avena sativa</i>) to <i>Fusarium culmorum</i> infection. 2012 , 40, 29-36	10
1314	Photosynthetic characterization of Jerusalem artichoke during leaf expansion. 2012 , 34, 353-360	19

1313	Effect of phytoplasma infection on metabolite content and antioxidant enzyme activity in lime (<i>Citrus aurantifolia</i>). 2012 , 34, 561-568	25
1312	Responses of growth, photosynthesis and VOC emissions of <i>Pinus tabulaeformis</i> Carr. Exposure to elevated CO ₂ and/or elevated O ₃ in an urban area. 2012 , 88, 443-8	12
1311	Photosynthetic and leaf anatomical characteristics of <i>Castanea sativa</i> : a comparison between in vitro and nursery plants. 2012 , 56, 15-24	33
1310	The antioxidative role of anthocyanins in <i>Arabidopsis</i> under high-irradiance. 2012 , 56, 97-104	43
1309	Responses of morphological, physiological, and biochemical parameters in <i>Euglena gracilis</i> to 7-days exposure to two commonly used fertilizers DAP and urea. 2012 , 24, 21-33	17
1308	Alleviation of phosphorus deficiency stress by moderate salinity in the halophyte <i>Hordeum maritimum</i> L.. 2012 , 66, 75-85	37
1307	Age and sex-related changes in cytokinins, auxins and abscisic acid in a centenarian relict herbaceous perennial. 2012 , 235, 349-58	13
1306	Morphophysiological differences in leaves of <i>Lavoisiera campos-portoana</i> (Melastomataceae) enhance higher drought tolerance in water shortage events. 2012 , 125, 85-92	15
1305	Interactive effects of UV radiation and water availability on seedlings of six woody Mediterranean species. 2013 , 147, 234-47	22
1304	Experimental Evidence of the Tolerance to Chlorate of the Aquatic Macrophyte <i>Egeria densa</i> in a Ramsar Wetland in Southern Chile. 2013 , 33, 129-140	4
1303	Temperature-dependent shade avoidance involves the receptor-like kinase ERECTA. 2013 , 73, 980-92	43
1302	The effect of fruit bagging on the color, phenolic compounds and expression of the anthocyanin biosynthetic and regulatory genes on the 'Granny Smith' apples. 2013 , 237, 875-885	21
1301	Influence of selenium (Se) on carbohydrate metabolism, nodulation and growth in alfalfa (<i>Medicago sativa</i> L.). 2013 , 373, 541-552	37
1300	Latent manganese deficiency in barley can be diagnosed and remediated on the basis of chlorophyll a fluorescence measurements. 2013 , 372, 417-429	44
1299	<i>Arthrobacter agilis</i> UMCV2 induces iron acquisition in <i>Medicago truncatula</i> (strategy I plant) in vitro via dimethylhexadecylamine emission. 2013 , 362, 51-66	60
1298	Engineered drought-induced biosynthesis of Tocopherol alleviates stress-induced leaf damage in tobacco. 2013 , 170, 1285-94	39
1297	Mechanisms of aluminum-induced growth stimulation in tea (<i>Camellia sinensis</i>). 2013 , 176, 616-625	52
1296	Variation in leaf photosynthetic characteristics in wild rice species. 2013 , 51, 350-358	22

1295	Exploring chloroplastic changes related to chilling and freezing tolerance during cold acclimation of pea (<i>Pisum sativum</i> L.). 2013 , 80, 145-59	36
1294	Effects of soil moisture and light intensity on ecophysiological characteristics of <i>Amorpha fruticosa</i> seedlings. 2013 , 24, 293-300	10
1293	Bioactive substances in leaves of two amaranth species, <i>Amaranthus tricolor</i> and <i>A. hypochondriacus</i> . 2013 , 93, 47-58	52
1292	Chronic ozone exacerbates the reduction in photosynthesis and acceleration of senescence caused by limited N availability in <i>Nicotiana sylvestris</i> . 2013 , 19, 3155-66	30
1291	Extended leaf senescence promotes carbon gain and nutrient resorption: importance of maintaining winter photosynthesis in subtropical forests. 2013 , 173, 721-30	27
1290	Influence of simulated post-anthesis water stress on stem dry matter remobilization, yield and its components in rice. 2013 , 18, 177-182	4
1289	Characterization of cell growth and starch production in the marine green microalga <i>Tetraselmis subcordiformis</i> under extracellular phosphorus-deprived and sequentially phosphorus-replete conditions. 2013 , 97, 6099-110	59
1288	Physiological and molecular analysis of carbon source supplementation and pH stress-induced lipid accumulation in the marine diatom <i>Phaeodactylum tricornutum</i> . 2013 , 97, 3625-42	85
1287	High resource capture and use efficiency and prolonged growth season contribute to invasiveness of <i>Eupatorium adenophorum</i> . 2013 , 214, 857-868	14
1286	Impact of Alkalisiation of the Soil on the Anatomy of Norway Spruce (<i>Picea abies</i>) Needles. 2013 , 224, 1	2
1285	The influence of seasonality in estimating mangrove leaf chlorophyll-a content from hyperspectral data. 2013 , 21, 193-207	33
1284	Strong light elevates thermotolerance of photosynthetic apparatus and the content of membranes and polar lipids in wheat leaves. 2013 , 60, 611-622	3
1283	Morphological and biomass characteristic acclimation of trident maple (<i>Acer buergerianum</i> Miq.) in response to light and water stress. 2013 , 35, 1149-1159	20
1282	Influence of exogenously applied paclobutrazol on some physiological traits and growth of <i>Stevia rebaudiana</i> under in vitro drought stress. 2013 , 68, 414-420	33
1281	Structural and functional reorganization of the photosynthetic apparatus in adaptation to cold of wheat plants. 2013 , 7, 168-176	10
1280	Butachlor induces some physiological and biochemical changes in a rice field biofertilizer cyanobacterium. 2013 , 105, 224-230	14
1279	Improving growth of date palm plantlets grown under salt stress with yeast and amino acids applications. 2013 , 58, 247-256	20
1278	Long-term exogenous application of melatonin delays drought-induced leaf senescence in apple. 2013 , 54, 292-302	296

1277	Are changes in membrane lipids and fatty acid composition related to salt-stress resistance in wild and cultivated barley?. 2013 , 176, 138-147	23
1276	Long-term impact of agricultural practices on biological soil crusts and their hydrological processes in a semiarid landscape. 2013 , 90, 5-11	28
1275	Hormesis phenomena under Cd stress in a hyperaccumulator-- <i>Lonicera japonica</i> Thunb. 2013 , 22, 476-85	47
1274	Unravelling the physiologic and metabolic action of thiamethoxam on rice plants. 2013 , 107, 244-249	17
1273	Morphological, physiological, cytological and phytochemical studies in diploid and colchicine-induced tetraploid plants of <i>Echinacea purpurea</i> (L.). 2013 , 35, 2075-2083	51
1272	Low environmentally relevant levels of bioactive xenobiotics and associated degradation products cause cryptic perturbations of metabolism and molecular stress responses in <i>Arabidopsis thaliana</i> . 2013 , 64, 2753-66	47
1271	Diagnosing latent copper deficiency in intact barley leaves (<i>Hordeum vulgare</i> , L.) using near infrared spectroscopy. 2013 , 61, 10901-10	39
1270	Chemical composition and antioxidant capacities of phytococktail extracts from trans-Himalayan cold desert. 2013 , 13, 259	20
1269	Comparative effects of selenite and selenate on growth and selenium accumulation in lettuce plants under hydroponic conditions. 2013 , 70, 149-157	121
1268	Effect of nitrogen application and elevated CO ₂ on photosynthetic gas exchange and electron transport in wheat leaves. 2013 , 51, 593-602	18
1267	Developmental and genetic characterization of a short leaf mutant of sorghum (<i>Sorghum bicolor</i> L. (Moench.)). 2013 , 71, 271-280	2
1266	Studies on the toxicity of an aqueous suspension of C60 nanoparticles using a bacterium (gen. <i>Bacillus</i>) and an aquatic plant (<i>Lemna gibba</i>) as in vitro model systems. 2013 , 142-143, 347-54	31
1265	Increased sensitivity to salt stress in tocopherol-deficient <i>Arabidopsis</i> mutants growing in a hydroponic system. 2013 , 8, e23136	33
1264	Amaranthine Plays an Important Role in Photoprotection for <i>Alternanthera Sessilis</i> Under Photooxidative Stress. 2013 , 27, 3791-3797	2
1263	Stimulation of chlororespiration by drought under heat and high illumination in <i>Rosa meilandina</i> . 2013 , 170, 165-71	27
1262	Study of the siderophore-producing <i>Trichoderma asperellum</i> Q1 on cucumber growth promotion under salt stress. 2013 , 53, 355-64	87
1261	Role of brassinosteroids in alleviation of phenanthrene-cadmium co-contamination-induced photosynthetic inhibition and oxidative stress in tomato. 2013 , 64, 199-213	182
1260	Photosynthetic and morphological photoacclimation of the seagrass <i>Cymodocea nodosa</i> to season, depth and leaf position. 2013 , 160, 285-297	38

1259	Signal cross talk in Arabidopsis exposed to cadmium, silicon, and Botrytis cinerea. 2013 , 237, 337-49	57
1258	Effect of initial biomass density on growth and astaxanthin production of Haematococcus pluvialis in an outdoor photobioreactor. 2013 , 25, 253-260	73
1257	A 100-year record of changes in organic matter characteristics and productivity in Lake Bhimtal in the Kumaon Himalaya, NW India. 2013 , 49, 129-143	17
1256	Physiological, structural, and proteomic analysis of chloroplasts during natural senescence of Ginkgo leaves. 2013 , 69, 191-201	6
1255	Phytoremediation of Cadmium-Contaminated Soil by Two Jerusalem Artichoke (Helianthus tuberosus L.) Genotypes. 2013 , 41, 202-209	15
1254	Do subtoxic levels of chlorate influence the desiccation tolerance of Egeria densa?. 2013 , 32, 417-22	1
1253	Improved growth, productivity and quality of tomato (Solanum lycopersicum L.) plants through application of shikimic acid. 2013 , 20, 339-45	19
1252	Characterization of endophytic Rahnella sp. JN6 from Polygonum pubescens and its potential in promoting growth and Cd, Pb, Zn uptake by Brassica napus. 2013 , 90, 1960-5	151
1251	Toxic effects of mercury on PSI and PSII activities, membrane potential and transthylakoid proton gradient in Microsorium pteropus. 2013 , 127, 1-7	45
1250	Nanaomycin A methyl ester, an actinomycete metabolite: Algicidal activity and the physiological response of Microcystis aeruginosa. 2013 , 53, 306-312	25
1249	Light exposure during storage preserving soluble sugar and l-ascorbic acid content of minimally processed romaine lettuce (Lactuca sativa L.var. longifolia). 2013 , 136, 273-8	51
1248	Effect of fluazifop-p-butyl treatment on pigments and polyamines level within tissues of non-target maize plants. 2013 , 107, 78-85	6
1247	Effect of O3 and CO2 Levels on Growth, Biochemical and Nutrient Parameters of Alfalfa (Medicago Sativa). 2013 , 5, 288-295	6
1246	Can hot water treatments enhance or maintain postharvest quality of spinach leaves?. 2013 , 81, 23-28	17
1245	Electrolyte leakage and chlorophyll a fluorescence among castor bean cultivars under induced water deficit. 2013 , 35, 119-128	17
1244	The effects of different light qualities on rapeseed (Brassica napus L.) plantlet growth and morphogenesis in vitro. 2013 , 150, 117-124	104
1243	Zinc tolerance modulation in Myracrodruon urundeuva plants. 2013 , 67, 1-6	45
1242	Impact of wheat straw biochar addition to soil on the sorption, leaching, dissipation of the herbicide (4-chloro-2-methylphenoxy)acetic acid and the growth of sunflower (Helianthus annuus L.). 2013 , 92, 215-21	86

1241	Responses of the Mediterranean seagrass <i>Posidonia oceanica</i> to hypersaline stress duration and recovery. 2013 , 84, 60-75	42
1240	Why do the galls induced by <i>Calophya duvauae</i> Scott on <i>Schinus polygamus</i> (Cav.) Cabrera (Anacardiaceae) change colors?. 2013 , 48, 111-122	34
1239	Application of actinomycetes as biocontrol agents in the management of onion bacterial rot diseases. 2013 , 46, 1797-1808	15
1238	Changes in phenolic metabolism in salicylic acid-treated shoots of <i>Cistus heterophyllus</i> . 2013 , 113, 417-427	28
1237	Response of two wheat genotype to long-term salinity stress in relation to oxidative stress and osmolyte concentration. 2013 , 41, 388-399	2
1236	Photosynthesis in Microalgae. 2013 , 21-36	54
1235	Investigation on the role of <i>Spirulina platensis</i> in ameliorating behavioural changes, thyroid dysfunction and oxidative stress in offspring of pregnant rats exposed to fluoride. 2013 , 140, 321-31	47
1234	Brassinosteroid alleviates polychlorinated biphenyls-induced oxidative stress by enhancing antioxidant enzymes activity in tomato. 2013 , 90, 2645-53	68
1233	Growth and development of cucumber <i>Cucumis sativus</i> L. in the prereproductive period under long photoperiods. 2013 , 44, 78-85	6
1232	Xanthophyll cycle-related photoprotective mechanism in the Mediterranean seagrasses <i>Posidonia oceanica</i> and <i>Cymodocea nodosa</i> under normal and stressful hypersaline conditions. 2013 , 109, 14-24	24
1231	Growth and physiological responses to cadmium stress of two populations of <i>Dittrichia viscosa</i> (L.) Greuter. 2013 , 244-245, 555-62	59
1230	Growth and physiological responses of saplings of two mangrove species to intertidal elevation. 2013 , 482, 107-118	9
1229	Overexpression of GsCBRLK from Glycine soja enhances tolerance to salt stress in transgenic alfalfa (<i>Medicago sativa</i>). 2013 , 40, 1048-1056	15
1228	Supercritical carbon dioxide extraction of eugenol-rich fraction from <i>Ocimum sanctum</i> Linn and a comparative evaluation with other extraction techniques: Process optimization and phytochemical characterization. 2013 , 47, 78-85	27
1227	Effects of irrigation with wastewater on the physiological properties and heavy metal content in <i>Lepidium sativum</i> L. and <i>Eruca sativa</i> (Mill.). 2013 , 185, 6209-17	9
1226	Carotenogenic gene expression and carotenoid accumulation in three varieties of <i>Cucurbita pepo</i> during fruit development. 2013 , 61, 6393-403	27
1225	Micropropagation of <i>Myriophyllum alterniflorum</i> (Haloragaceae) for stream rehabilitation: first in vitro culture and reintroduction assays of a heavy-metal hyperaccumulator immersed macrophyte. 2013 , 15, 647-62	13
1224	Effects of Biogas Slurry Irrigation on Growth, Photosynthesis, and Nutrient Status of <i>Perilla frutescens</i> Seedlings. 2013 , 44, 3381-3390	6

1223	Cadmium accumulation retard activity of functional components of photo assimilation and growth of rice cultivars amended with vermicompost. 2013 , 15, 965-78	15
1222	The membrane-bound NAC transcription factor ANAC013 functions in mitochondrial retrograde regulation of the oxidative stress response in Arabidopsis. 2013 , 25, 3472-90	214
1221	Development of ultrastructure and experimental change in carotene composition of the eyespot in <i>Chlamydomonas reinhardtii</i> mutants. 2013 , 58, 791-795	1
1220	Assessment of by-products from fresh-cut products for reuse as bioactive compounds. 2013 , 19, 439-46	20
1219	Antioxidant and radical scavenging activities of <i>Asphodelus aestivus</i> Brot. extracts. 2013 , 16, 1339-1350	10
1218	Atmospheric CO ₂ enrichment markedly increases photosynthesis and growth in a woody tropical bamboo from the Brazilian Atlantic Forest. 2013 , 51, 275-285	14
1217	Mutations in GERANYLGERANYL DIPHOSPHATE SYNTHASE 1 affect chloroplast development in <i>Arabidopsis thaliana</i> (Brassicaceae). 2013 , 100, 2074-84	18
1216	Using <i>Arabidopsis</i> to study shoot branching in biomass willow. 2013 , 162, 800-11	19
1215	Discrimination of population of recombinant inbred lines of rye (<i>Secale cereale</i> L.) for different responses to nitrogen-potassium stress assessed at the seedling stage under in vitro conditions. 2013 , 16,	3
1214	A nuclear calcium-sensing pathway is critical for gene regulation and salt stress tolerance in <i>Arabidopsis</i> . 2013 , 9, e1003755	52
1213	Water deficit and heat affect the tolerance to high illumination in hibiscus plants. 2013 , 14, 5432-44	17
1212	Selection of an Efficient Growth Container for Mycorrhization of Trifoliolate Orange Seedlings in Nursery. 2013 , 726-731, 4517-4520	
1211	Differentially expressed myo-inositol monophosphatase gene (CaIMP) in chickpea (<i>Cicer arietinum</i> L.) encodes a lithium-sensitive phosphatase enzyme with broad substrate specificity and improves seed germination and seedling growth under abiotic stresses. 2013 , 64, 5623-39	44
1210	Function of leafy sepals in <i>Paris polyphylla</i> : photosynthate allocation and partitioning to the fruit and rhizome. 2013 , 40, 393-399	12
1209	Effects of Ozone Stress on Leaf-Level Photosynthesis in Soybean (<i>Glycine max</i>). 2013 , 726-731, 114-117	
1208	N source affects freeze tolerance in bermudagrass and zoysiagrass. 2013 , 63, 341-351	2
1207	Yield and nutritional quality of greenhouse lettuce as affected by shading and cultivation season. 2013 , 25, 974	17
1206	Comparing Relationships among Yield and Its Related Traits in Mycorrhizal and Nonmycorrhizal Inoculated Wheat Cultivars under Different Water Regimes Using Multivariate Statistics. 2013 , 2013, 1-14	8

1205	Delay in leaf senescence of <i>Malus hupehensis</i> by long-term melatonin application is associated with its regulation of metabolic status and protein degradation. 2013 , 55, 424-34	117
1204	Estimation of leaf chlorophyll content of rice using image color analysis. 2013 , 39, 185-190	18
1203	SEASONAL DYNAMICS OF PHOTOSYNTHETIC PIGMENT, PROTEIN AND CARBOHYDRATE CONTENTS IN <i>PINUS SYLVESTRIS</i> L. SEEDLINGS INOCULATED WITH <i>HEBELOMA CRUSTULINIFORME</i> AND <i>LACCARIA BICOLOR</i> . 2013 , 36, 633-650	3
1202	Draft genome of the kiwifruit <i>Actinidia chinensis</i> . 2013 , 4, 2640	316
1201	Abscisic acid represses the transcription of chloroplast genes. 2013 , 64, 4491-502	42
1200	Photosynthetic impairment caused by manganese toxicity and associated antioxidative responses in perennial ryegrass. 2013 , 64, 696	19
1199	Exogenous application of proline alleviates salt-induced oxidative stress in <i>Phaseolus vulgaris</i> L. plants. 2013 , 88, 439-446	45
1198	Effects of water and nitrogen supply on growth, water-use efficiency and mucilage yield of isabgol (<i>Plantago ovata</i> Forsk). 2013 , 0-0	6
1197	Comparison of photoacclimation in twelve freshwater photoautotrophs (chlorophyte, bacillaryophyte, cryptophyte and cyanophyte) isolated from a natural community. 2013 , 8, e57139	29
1196	Chlorophyll deficiency in the maize elongated mesocotyl2 mutant is caused by a defective heme oxygenase and delaying grana stacking. 2013 , 8, e80107	28
1195	Oligo-carrageenans enhance growth and contents of cellulose, essential oils and polyphenolic compounds in <i>Eucalyptus globulus</i> trees. 2013 , 18, 8740-51	21
1194	Assessing Water Stress of Desert Tamarugo Trees Using in situ Data and Very High Spatial Resolution Remote Sensing. 2013 , 5, 5064-5088	20
1193	Antioxidant capacity as a marker for assessing the in vitro performance of the endangered <i>Cistus heterophyllus</i> . 2013 , 2013, 176295	13
1192	Interactive effect of salicylic acid on some physiological features and antioxidant enzymes activity in ginger (<i>Zingiber officinale</i> Roscoe). 2013 , 18, 5965-79	30
1191	Impact of Ploidy Change on Secondary Metabolites and Photochemical Efficiency in <i>Solanum Bulbocastanum</i> . 2013 , 8, 1934578X1300801	7
1190	Differential response of maize hybrid and its parental lines to salinity stress. 2013 , 49, 9-15	5
1189	Differential Response of Bean (<i>Phaseolus vulgaris</i> L.) Roots and Leaves to Salinity in Soil and Hydroponic Culture. 2014 , 42,	1
1188	Reflectance variation within the in-chlorophyll centre waveband for robust retrieval of leaf chlorophyll content. 2014 , 9, e110812	10

1187	Comparative analyses of physiological responses of <i>Cynodon dactylon</i> accessions from Southwest China to sulfur dioxide toxicity. 2014 , 2014, 916595	0
1186	Effects of Salinity and Nutrients in Seawater on Hydroponic Culture of Red Leaf Lettuce. 2014 , 52, 189-195	17
1185	Investigation of the Effects of Salicylic Acid on Some Biochemical Parameters in Zea mays to Glyphosate Herbicide. 2014 , 05,	6
1184	Comparative Studies of the Phytoextraction Capacity of Five Aquatic Plants in Heavy Metal Contaminated Water. 2014 , 42,	8
1183	Effects of temperature - heavy metal interactions, antioxidant enzyme activity and gene expression in wheat (<i>Triticum aestivum</i> L.) seedlings. 2014 , 65, 439-50	5
1182	Quality Parameters and Bioactive Compounds of Red Tomatoes (<i>Solanum lycopersicum</i> L.) cv Roma VF at Different Postharvest Conditions. 2014 , 3, 8	11
1181	Overexpression of MpGR-RBP1, a glycine-rich RNA-binding protein gene from <i>Malus prunifolia</i> (Willd.) Borkh., confers salt stress tolerance and protects against oxidative stress in <i>Arabidopsis</i> . 2014 , 119, 635-646	12
1180	Effect of Piper beetle leaf extract on post-harvest physiology and vascular blockage in relation to vase life and keeping quality of cut spike of tuberose (<i>Polianthes tuberosa</i> L. cv. Single). 2014 , 19, 250-256	7
1179	Structural-functional organization of the cells of Brc-1 mutant of <i>Chlamydomonas reinhardtii</i> accumulating protoporphyrin IX in the dark. 2014 , 59, 568-576	1
1178	Malate synthesis and secretion mediated by a manganese-enhanced malate dehydrogenase confers superior manganese tolerance in <i>Stylosanthes guianensis</i> . 2015 , 167, 176-88	62
1177	Isolation and physiological and biochemical characterization of the <i>Chlamydomonas reinhardtii</i> C-41 mutant, a superproducer of β -carotene. 2014 , 50, 644-651	
1176	Over-expression of SLSHN1 gene improves drought tolerance by increasing cuticular wax accumulation in tomato. 2014 , 15, 19499-515	45
1175	Proteolytic activity and nitrogen remobilisation in senescing leaves of phenological forms of <i>Fagus sylvatica</i> . 2014 , 72, 163-176	6
1174	Manganese toxicity and UV-B radiation differentially influence the physiology and biochemistry of highbush blueberry (<i>Vaccinium corymbosum</i>) cultivars. 2014 , 41, 156-167	20
1173	Phenotypic Plasticity of Vegetable Amaranth, <i>Amaranthus tricolor</i> L. under a Natural Climate. 2014 , 17, 166-172	8
1172	Alleviation Of Nacl Stress In Summer Squash <i>Skandrania</i> By Foliar Application Of Salicylic Acid. 2014 , 22, 131-137	2
1171	Regulation of auxin, abscisic acid and salicylic acid levels by ascorbate application under heat stress in sensitive and tolerant maize leaves. 2014 , 65, 469-80	7
1170	Exploring various spectral regions for estimating chlorophyll from ASD leaf reflectance using prospect radiative transfer model. 2014 ,	1

1169	Low induction of non-photochemical quenching and high photochemical efficiency in the annual desert plant <i>Anastatica hierochuntica</i> . 2014 , 151, 544-58	9
1168	Effect of selenium on CO ₂ and NO ₃ - assimilation under low and adequate nitrogen supply in wheat (<i>Triticum aestivum</i> L.). 2014 , 52, 501-510	28
1167	Genetic analysis of biomass and photosynthetic parameters in wheat grown in different light intensities. 2014 , 56, 594-604	10
1166	SKB1/PRMT5-mediated histone H4R3 dimethylation of Ib subgroup bHLH genes negatively regulates iron homeostasis in <i>Arabidopsis thaliana</i> . 2014 , 77, 209-21	35
1165	Over-expression of dehydrin gene, <i>OsDhn1</i> , improves drought and salt stress tolerance through scavenging of reactive oxygen species in rice (<i>Oryza sativa</i> L.). 2014 , 57, 383-393	82
1164	Characterization of drought-tolerant sugar beet mutants induced with gamma radiation using biochemical analysis and isozyme variations. 2014 , 94, 367-72	9
1163	Melatonin regulates proteomic changes during leaf senescence in <i>Malus hupehensis</i> . 2014 , 57, 291-307	59
1162	Comparative analyses of lipidomes and transcriptomes reveal a concerted action of multiple defensive systems against photooxidative stress in <i>Haematococcus pluvialis</i> . 2014 , 65, 4317-34	115
1161	Morpho-structural and physiological response of container-grown Sangiovese and Montepulciano cvv. (<i>Vitis vinifera</i>) to re-watering after a pre-veraison limiting water deficit. 2014 , 41, 634-647	39
1160	Alleviation of abiotic salt stress in <i>Ochradenus baccatus</i> (Del.) by <i>Trichoderma hamatum</i> (Bonord.) Bainier. 2014 , 9, 857-868	56
1159	On the role of chlorophyll b in ontogenetic adaptations of plants. 2014 , 4, 507-514	10
1158	Drought and Salt Stress Mitigation by Seed Priming with KNO ₃ and Urea in Various Maize Hybrids: An Experimental Approach Based on Enhancing Antioxidant Responses. 2014 , 37, 674-689	17
1157	The tetratricopeptide repeat-containing protein <i>slow green1</i> is required for chloroplast development in <i>Arabidopsis</i> . 2014 , 65, 1111-23	24
1156	Water stress enhances expression of genes encoding plastid terminal oxidase and key components of chlororespiration and alternative respiration in soybean seedlings. 2014 , 69, 300-8	4
1155	Roles of the nuclear-encoded chloroplast SMR domain-containing PPR protein SVR7 in photosynthesis and oxidative stress tolerance in <i>Arabidopsis</i> . 2014 , 57, 291-301	15
1154	Nitrate and iron nutrition effects on some nitrate assimilation enzymes and metabolites in <i>Spirulina platensis</i> . 2014 , 38, 690-700	3
1153	Effects of nitrogen addition on growth and photosynthetic characteristics of <i>Acer truncatum</i> seedlings. 2014 , 72, 151-161	22
1152	Use of visible and near-infrared spectroscopy for predicting antioxidant compounds in summer squash (<i>Cucurbita pepo</i> ssp <i>pepo</i>). 2014 , 164, 301-8	32

1151	The effect of nutrition pattern alteration on <i>Chlorella pyrenoidosa</i> growth, lipid biosynthesis-related gene transcription. 2014 , 164, 214-20	22
1150	Infections with the vascular pathogens <i>Verticillium longisporum</i> and <i>Verticillium dahliae</i> induce distinct disease symptoms and differentially affect drought stress tolerance of <i>Arabidopsis thaliana</i> . 2014 , 108, 23-37	25
1149	Vertisol prevent cadmium accumulation in rice: analysis by ecophysiological toxicity markers. 2014 , 108, 85-92	19
1148	Growth, antioxidant capacity and total carotene of <i>Dunaliella salina</i> DCCBC15 in a low cost enriched natural seawater medium. 2014 , 30, 317-22	24
1147	Photosynthesis mediated decrease in cadmium translocation protect shoot growth of <i>Oryza sativa</i> seedlings up on ammonium phosphate-sulfur fertilization. 2014 , 21, 986-97	17
1146	Growth, Chromium Accumulation Potential and Biochemical Changes of <i>Vigna radiata</i> and <i>Zea mays</i> Grown with Effective Microbes. 2014 , 84, 381-387	7
1145	Assessment of Eco-Physiological Performance of <i>Quercus ilex</i> L. Leaves in Urban Area by an Integrated Approach. 2014 , 225, 1	21
1144	Expression analysis of transcripts responsive to osmotic stress in <i>Deschampsia antarctica</i> Desv.. 2014 , 36, 283-291	4
1143	Cytosolic APX knockdown rice plants sustain photosynthesis by regulation of protein expression related to photochemistry, Calvin cycle and photorespiration. 2014 , 150, 632-45	14
1142	Photosynthesis and photosynthetic pigments in the flagellate <i>Euglena gracilis</i> - as sensitive endpoints for toxicity evaluation of liquid detergents. 2014 , 133, 18-26	11
1141	Cyanobacterial monogalactosyldiacylglycerol-synthesis pathway is involved in normal unsaturation of galactolipids and low-temperature adaptation of <i>Synechocystis</i> sp. PCC 6803. 2014 , 1841, 475-83	17
1140	Physiological and biochemical responses of <i>Phoebe bournei</i> seedlings to water stress and recovery. 2014 , 36, 1241-1250	20
1139	Photosynthetic response of poikilochlorophyllous desiccation-tolerant <i>Pleurostima purpurea</i> (Velloziaceae) to dehydration and rehydration. 2014 , 52, 124-133	7
1138	Application of a Rapid and Sensitive Method for Hormonal and Vitamin E Profiling Reveals Crucial Regulatory Mechanisms in Flower Senescence and Fruit Ripening. 2014 , 33, 34-43	7
1137	Influence of germination date on <i>Dioon edule</i> (Zamiaceae) seedling tolerance to water stress. 2014 , 127, 413-22	7
1136	Phytoremediation of water polluted by thallium, cadmium, zinc, and lead with the use of macrophyte <i>Callitriche cophocarpa</i> . 2014 , 66, 572-81	20
1135	Effect of dehydration methods on retention of carotenoids, tocopherols, ascorbic acid and antioxidant activity in <i>Moringa oleifera</i> leaves and preparation of a RTE product. 2014 , 51, 2176-82	75
1134	Physiological mechanism of drought tolerance in transgenic rice plants expressing <i>Capsicum annum</i> methionine sulfoxide reductase B2 (CaMsrb2) gene. 2014 , 36, 1143-1153	15

1133	Function of the photosynthetic apparatus of oilseed winter rape under elicitation by <i>Phoma lingam</i> phytotoxins in relation to carotenoid and phenolic levels. 2014 , 36, 295-305	13
1132	RETRACTED ARTICLE: Effect of lead pollution on soil microbiological index under spinach (<i>Spinacia oleracea</i> L.) cultivation. 2014 , 14, 44-59	12
1131	Application of <i>Pantoea agglomerans</i> strain Z01 to control <i>Fusarium</i> wilt and its effect on the quality parameters of rockets. 2014 , 64, 1443-1446	3
1130	In situ measurement of leaf chlorophyll concentration: analysis of the optical/absolute relationship. 2014 , 37, 2508-20	113
1129	Physiological, biochemical and molecular responses of the potato (<i>Solanum tuberosum</i> L.) plant to moderately elevated temperature. 2014 , 37, 439-50	114
1128	Temperature dependence of photosynthesis and thylakoid lipid composition in the red snow alga <i>Chlamydomonas</i> cf. <i>nivalis</i> (Chlorophyceae). 2014 , 89, 303-15	23
1127	Effects of lead accumulation on the <i>Azolla caroliniana</i> - <i>Anabaena</i> association. 2014 , 102, 100-4	11
1126	Role of <i>Bacillus licheniformis</i> in phytoremediation of nickel contaminated soil cultivated with rice. 2014 , 16, 554-71	58
1125	Ectopic phytocystatin expression leads to enhanced drought stress tolerance in soybean (<i>Glycine max</i>) and <i>Arabidopsis thaliana</i> through effects on strigolactone pathways and can also result in improved seed traits. 2014 , 12, 903-13	52
1124	Effects of light exposure on chlorophyll, sugars and vitamin C content of fresh-cut celery (<i>Apium graveolens</i> var. <i>dulce</i>) petioles. 2014 , 49, 347-353	18
1123	The impact of Tunisian Capparidaceae species on cytological, physiological and biochemical mechanisms in lettuce. 2014 , 93, 222-230	17
1122	Selenium affects physiological parameters and phytochelatins accumulation in cucumber (<i>Cucumis sativus</i> L.) plants grown under cadmium exposure. 2014 , 172, 10-18	66
1121	Physiological and biochemical mechanisms of allelochemicals in aqueous extracts of diploid and mixoploid <i>Trigonella foenum-graecum</i> L.. 2014 , 93, 167-178	18
1120	Inferring the impact of rainfall gradient on biocrusts' developmental stage and thus on soil physical structures in sand dunes. 2014 , 13, 81-89	32
1119	Phosphorous and sulfur nutrition modulate antioxidant defenses in <i>Myracrodruon urundeuva</i> plants exposed to arsenic. 2014 , 276, 97-104	34
1118	Ultrastructure and functional activity of chloroplasts in wheat leaves under root chilling. 2014 , 36, 323-330	9
1117	Ecophysiological plasticity of shallow and deep populations of the Mediterranean seagrasses <i>Posidonia oceanica</i> and <i>Cymodocea nodosa</i> in response to hypersaline stress. 2014 , 95, 39-61	46
1116	Roles of the ascorbate-glutathione cycle, pigments and phenolics in postharvest 'Gala' apple development on 'Granny Smith' apples (<i>Malus domestica</i> Borkh.). 2014 , 87, 79-87	16

1115	Rice (<i>Oryza sativa</i> L.) phenolic compounds under elevated carbon dioxide (CO ₂) concentration. 2014 , 99, 28-37	42
1114	Effects of UV-B radiation on anatomical characteristics, phenolic compounds and gene expression of the phenylpropanoid pathway in highbush blueberry leaves. 2014 , 85, 85-95	48
1113	Capping hazardous red mud using acidic soil with an embedded layer of zeolite for plant growth. 2014 , 35, 2314-21	2
1112	No signs of meristem senescence in old Scots pine. 2014 , 102, 555-565	23
1111	Silicon supplementation improves drought tolerance in canola plants. 2014 , 61, 784-791	26
1110	Design, synthesis and herbicidal activities of novel 4-(1H-pyrazol-1-yl)-6-(alkynyloxy)-pyrimidine derivatives as potential pigment biosynthesis inhibitors. 2014 , 70, 946-52	13
1109	Variation in leaf photosynthetic response of rice genotypes to post-anthesis water deficit. 2014 , 19, 127-137	6
1108	Contribution of different groups of autotrophs to the primary production of the mountain Lake Oiskoe. 2014 , 7, 397-409	2
1107	Physiological and morphological responses of <i>Prunus</i> species with different degree of tolerance to long-term root hypoxia. 2014 , 180, 14-23	33
1106	Genetic manipulation of isoprene emissions in poplar plants remodels the chloroplast proteome. 2014 , 13, 2005-18	41
1105	The protein phosphatase RCF2 and its interacting partner NAC019 are critical for heat stress-responsive gene regulation and thermotolerance in <i>Arabidopsis</i> . 2014 , 26, 438-53	94
1104	The tomato mutation <i>nxd1</i> reveals a gene necessary for neoxanthin biosynthesis and demonstrates that violaxanthin is a sufficient precursor for abscisic acid biosynthesis. 2014 , 78, 80-93	76
1103	Interplay between GST and nitric oxide in the early response of soybean (<i>Glycine max</i> L.) plants to salinity stress. 2014 , 171, 1740-7	29
1102	Effects of static magnetic field pretreatment with and without PEG 6000 or NaCl exposure on wheat biochemical parameters. 2014 , 61, 646-655	12
1101	Comparative Ni tolerance and accumulation potentials between <i>Mesembryanthemum crystallinum</i> (halophyte) and <i>Brassica juncea</i> : Metal accumulation, nutrient status and photosynthetic activity. 2014 , 171, 1634-44	59
1100	Effects of cadmium stress on growth, anatomy and hormone contents in <i>Glycine max</i> (L.) Merr.. 2014 , 36, 2815-2826	35
1099	Physiological and biochemical responses induced by spruce bark aqueous extract and deuterium depleted water with synergistic action in sunflower (<i>Helianthus annuus</i> L.) plants. 2014 , 60, 160-167	24
1098	Evaluation of plant defence activators for the potential control of <i>Pseudomonas syringae</i> pv. <i>aesculi</i> . 2014 , 36, 76-88	7

1097	Effects of freshwater bacterial siderophore on <i>Microcystis</i> and <i>Anabaena</i> . 2014 , 78, 42-48	11
1096	High root temperature affects the tolerance to high light intensity in <i>Spathiphyllum</i> plants. 2014 , 227, 84-9	6
1095	The cotton WRKY transcription factor GhWRKY17 functions in drought and salt stress in transgenic <i>Nicotiana benthamiana</i> through ABA signaling and the modulation of reactive oxygen species production. 2014 , 55, 2060-76	190
1094	Steady-state and dynamic photosynthetic performance and nitrogen partitioning in the shade-demanding plant <i>Panax notoginseng</i> under different levels of growth irradiance. 2014 , 36, 2409-2420	13
1093	Effects of Foliar Spray of K on Mint, Radish, Parsley and Coriander Plants in Aquaponic System. 2014 , 37, 2236-2254	20
1092	Antioxidant responses in the leaves of mercury-treated <i>Eichhornia crassipes</i> (Mart.) Solms. 2014 , 186, 6889-901	5
1091	Tocotrienols in <i>Vellozia gigantea</i> leaves: occurrence and modulation by seasonal and plant size effects. 2014 , 240, 437-46	11
1090	Exogenous EDDS modifies copper-induced various toxic responses in rice. 2014 , 251, 1213-21	24
1089	Over-expression of PsGPD, a mushroom glyceraldehyde-3-phosphate dehydrogenase gene, enhances salt tolerance in rice plants. 2014 , 36, 1641-8	23
1088	Isolation of cellular membranes from lignin-producing tissues of Norway spruce and analysis of redox enzymes. 2014 , 152, 599-616	8
1087	A red and far-red light receptor mutation confers resistance to the herbicide glyphosate. 2014 , 78, 916-26	18
1086	Characterization of salt-tolerance mechanisms in mycorrhizal (<i>Claroideoglossum etunicatum</i>) halophytic grass, <i>Puccinellia distans</i> . 2014 , 36, 1713-1726	11
1085	Cu(2+) inhibits photosystem II activities but enhances photosystem I quantum yield of <i>Microcystis aeruginosa</i> . 2014 , 160, 268-75	15
1084	Developing Spectral Library of Major Plant Species of Western Himalayas Using Ground Observations. 2014 , 42, 201-216	5
1083	Two-step process for production of biodiesel blends from oleaginous yeast and microalgae. 2014 , 137, 269-276	18
1082	Hydrogen sulfide alleviates postharvest senescence of broccoli by modulating antioxidant defense and senescence-related gene expression. 2014 , 62, 1119-29	89
1081	Herbicidal effects of harmaline from <i>Peganum harmala</i> on photosynthesis of <i>Chlorella pyrenoidosa</i> : probed by chlorophyll fluorescence and thermoluminescence. 2014 , 115, 23-31	8
1080	Temperature-induced lipocalin (TIL) is translocated under salt stress and protects chloroplasts from ion toxicity. 2014 , 171, 250-9	28

1079	Unique histochemical gradients in a photosynthesis-deficient plant gall. 2014 , 92, 97-104	43
1078	Red and blue lights induced oxidative stress tolerance promote cadmium rhizocomplexation in <i>Oryza sativa</i> . 2014 , 137, 135-43	16
1077	Growth and quality responses of "Green Oak Leaf" lettuce as affected by monochromic or mixed radiation provided by fluorescent lamp (FL) and light-emitting diode (LED). 2014 , 172, 168-175	89
1076	Photosynthetic limitations imposed by self-shading in field-grown sugarcane varieties. 2014 , 155, 30-37	48
1075	Early responses of <i>Avicennia marina</i> (Forsk.) Vierh. to intertidal elevation and light level. 2014 , 112, 33-40	8
1074	The knockdown of chloroplastic ascorbate peroxidases reveals its regulatory role in the photosynthesis and protection under photo-oxidative stress in rice. 2014 , 214, 74-87	64
1073	Effects of Seasonal Changes on Pigment Composition of <i>Azolla filiculoides</i> Lam.. 2014 , 104, 58-66	8
1072	Biogenesis and possible modification of carotenoid composition in the eyespot of <i>Chlamydomonas reinhardtii</i> mutants. 2014 , 83, 30-38	3
1071	The physiological and biochemical effects of salicylic acid on sunflowers (<i>Helianthus annuus</i>) exposed to flurochloridone. 2014 , 106, 232-8	30
1070	Removal of DELLA repression promotes leaf senescence in <i>Arabidopsis</i> . 2014 , 219-220, 26-34	40
1069	Effect of different levels of nitrogen deficiency on switchgrass seedling growth. 2014 , 2, 223-234	32
1068	Revalorization of <i>Neochloris oleoabundans</i> biomass as source of biodiesel by concurrent production of lipids and carotenoids. 2014 , 5, 16-22	24
1067	Studies of the interaction between horse chestnut leaf miner (<i>Cameraria ohridella</i>) and bacterial bleeding canker (<i>Pseudomonas syringae</i> pv. <i>aesculi</i>). 2014 , 13, 403-409	5
1066	Over-expression of <i>Arabidopsis thaliana</i> β -carotene hydroxylase (<i>chyB</i>) gene enhances drought tolerance in transgenic tobacco. 2014 , 23, 190-198	27
1065	Effects of ascorbic acid on some physiological changes of pepino (<i>Solanum muricatum</i> Ait.) under chilling stress. 2014 , 65, 305-18	13
1064	Effects of Row Covers Using Non-woven Fleece on the Yields, Rate of Bolting, and Quality of Heading Chinese Cabbage in Early Spring Cultivation. 2014 , 83, 133-141	4
1063	ENHANCING COPPER AND LEAD BIOACCUMULATION IN RAPESEED BY ADDING HEMP SHIVES AS SOIL NATURAL AMENDMENTS. 2014 , 22, 245-253	3
1062	Functional evidence for the critical amino-terminal conserved domain and key amino acids of <i>Arabidopsis</i> 4-HYDROXY-3-METHYLBUT-2-ENYL DIPHOSPHATE REDUCTASE. 2014 , 166, 57-69	7

1061	Potassium fertiliser enhances the salt-tolerance of common bean (<i>Phaseolus vulgaris</i> L.). 2014 , 89, 185-192	26
1060	A comprehensive evaluation of heat tolerance in nine cultivars of marigold. 2015 , 56, 749-755	5
1059	Seed priming with polyethylene glycol regulating the physiological and molecular mechanism in rice (<i>Oryza sativa</i> L.) under nano-ZnO stress. 2015 , 5, 14278	101
1058	Hydrogen sulfide modulates cadmium-induced physiological and biochemical responses to alleviate cadmium toxicity in rice. 2015 , 5, 14078	164
1057	Effect of lead on germination and some morphological and physiological parameters of 10-day-old seedlings of various plant species / Wpływ ołowiu na kiełkowanie i niektóre parametry morfologiczne i fizjologiczne w 10-dniowych siewkach różnych gatunków roślin. 2015 , 26, 22-27	6
1056	Control of continuous irradiation injury on tomato plants with a temperature drop: Effectiveness evaluation. 2015 , 41, 419-422	2
1055	OZONE FUMIGATION POSTHARVEST TREATMENT FOR THE QUALITY OF WINE GRAPE. 2015 , 795-800	11
1054	Phytoremediation of phenol using <i>Polygonum orientale</i> and its antioxidative response. 2015 , 41, 39-46	6
1053	Identify Physiological Markers for Drought Tolerance in Alfalfa. 2015 , 107, 149-157	9
1052	Response to Drought Stress in Sainfoin: Within and Among Ecotype Variation. 2015 , 55, 1868-1880	6
1051	Similarities and differences in wheat plant responses to low temperature and cadmium. 2015 , 42, 508-514	2
1050	Exogenous Tocopherol has a beneficial effect on <i>Glycine max</i> (L.) plants irrigated with diluted sea water. 2015 , 90, 195-202	33
1049	Effect of arsenic on δ -aminolevulinic acid formation in greening maize leaf segments. 2015 , 20, 191-196	3
1048	Basipetal auxin versus acropetal cytokinin transport, and their interaction with NO ₃ fertilisation in cotyledon senescence and sink:source relationships in cucumber (<i>Cucumis sativus</i> L.). 2015 , 17, 1135-45	1
1047	Comparative study on the uptake and bioimpact of metal nanoparticles released into environment. 2015 ,	
1046	Effect of ascorbic acid on morphological and biochemical parameters in tomato seedling exposure to salt stress. 2015 , 26, 21-25	1
1045	Involvement of chlororespiration in chilling stress in the tropical species <i>Spathiphyllum wallisii</i> . 2015 , 38, 525-33	9
1044	Effect of nickel and grafting combination on yield, fruit quality, antioxidative enzyme activities, lipid peroxidation, and mineral composition of tomato. 2015 , 178, 848-860	32

1043	Unveiling the mechanism of melatonin impacts on maize seedling growth: sugar metabolism as a case. 2015 , 59, 255-66	77
1042	Protective effects of Ca ²⁺ against NaCl induced salt stress in two lentil (<i>Lens culinaris</i>) cultivars. 2015 , 10, 2389-2398	7
1041	Investigation of Seasonal Total Phenolics and Pigments in <i>Chara vulgaris</i> . 2015 , 6, 102	
1040	Productive and vegetative behavior of olive cultivars in super high-density olive grove. 2015 , 72, 20-27	23
1039	Phenotypic Changes in Transgenic Tobacco Plants Overexpressing Vacuole-Targeted Thermotoga maritima BglB Related to Elevated Levels of Liberated Hormones. 2015 , 3, 181	2
1038	Assessment of Drought Tolerance in Sainfoin: Physiological and Drought Tolerance Indices. 2015 , 107, 1771-1781	8
1037	Half-Sib Matting and Genetic Analysis of Agronomic, Morphological, and Physiological Traits in Sainfoin under Nonstressed versus Water-Deficit Conditions. 2015 , 55, 123-135	8
1036	GhWRKY68 reduces resistance to salt and drought in transgenic <i>Nicotiana benthamiana</i> . 2015 , 10, e0120646	45
1035	Identification of Salt Stress Biomarkers in Romanian Carpathian Populations of <i>Picea abies</i> (L.) Karst. 2015 , 10, e0135419	21
1034	Evaluating the Effect of Expressing a Peanut Resveratrol Synthase Gene in Rice. 2015 , 10, e0136013	13
1033	Binary stress induces an increase in indole alkaloid biosynthesis in <i>Catharanthus roseus</i> . 2015 , 6, 582	36
1032	Hydrogen Sulfide Regulates Salt Tolerance in Rice by Maintaining Na ⁽⁺⁾ /K ⁽⁺⁾ Balance, Mineral Homeostasis and Oxidative Metabolism Under Excessive Salt Stress. 2015 , 6, 1055	117
1031	Daily dynamics of photosynthetic parameters in beech population under periodical drought conditions. 2015 , 10,	2
1030	Effects of Heat Shock and 2,4-D Treatment on Morphological and Physiological Characteristics of Microspores and Microspore-Derived Doubled Haploid Plants in <i>L.</i> 2015 , 13, 31-38	4
1029	Influence of selenium in drought-stressed wheat plants under greenhouse and field conditions. 2015 , 105, 175-191	16
1028	Hormetic Responses of <i>Lonicera Japonica</i> Thunb. To Cadmium Stress. 2015 , 13,	10
1027	Photocatalysis of sulfasalazine using Gd-doped PbSe nanoparticles under visible light irradiation: Kinetics, intermediate identification and phyto-toxicological studies. 2015 , 30, 134-146	23
1026	Effect of cold plasma treatment on physico-chemical parameters and antioxidant activity of minimally processed kiwifruit. 2015 , 107, 55-65	149

1025	The effect of nitrogen limitation on the physiology and metabolism of <i>Chlorella vulgaris</i> var L3. 2015 , 10, 134-144	67
1024	Silicon alleviates cadmium toxicity by enhanced photosynthetic rate and modified bundle sheath's cell chloroplasts ultrastructure in maize. 2015 , 120, 66-73	78
1023	Nitric oxide mediated amelioration of arsenic toxicity which alters the alternative oxidase (Aox1) gene expression in <i>Hordeum vulgare</i> L. 2015 , 120, 59-65	15
1022	Physiological responses and accumulation of heavy metals and arsenic of <i>Medicago sativa</i> L. growing on acidic copper mine tailings in arid lands. 2015 , 157, 27-35	25
1021	Misexpression of the Niemann-Pick disease type C1 (NPC1)-like protein in <i>Arabidopsis</i> causes sphingolipid accumulation and reproductive defects. 2015 , 242, 921-33	13
1020	Spatio-temporal interpolation of soil water, temperature, and electrical conductivity in 3D+T: The Cook Agronomy Farm data set. 2015 , 14, 70-90	46
1019	Physiological responses of peanut (<i>Arachis hypogaea</i> L.) cultivars to water deficit stress: status of oxidative stress and antioxidant enzyme activities. 2015 , 74, 123-142	19
1018	Effect of salinity stress on mungbean [<i>Vigna radiata</i> (L.) Wilczek] during consecutive summer and spring seasons. 2015 , 60, 23-32	18
1017	Molecular and biochemical mechanisms associated with differential responses to drought tolerance in wheat (<i>Triticum aestivum</i> L.). 2015 , 10, 195-201	11
1016	Carbohydrate, phenolic and antioxidant level in relation to chlorophyll a content in oilseed winter rape (<i>Brassica napus</i> L.) inoculated with <i>Leptosphaeria maculans</i> . 2015 , 143, 291-303	8
1015	Phenotypic plasticity accounts for most of the variation in leaf manganese concentrations in <i>Phytolacca americana</i> growing in manganese-contaminated environments. 2015 , 396, 215-227	15
1014	Comparative examinations of gas exchange and biometric parameters of eight fast-growing poplar clones. 2015 , 37, 1	2
1013	The effect of high hydrostatic pressure on the physiological and biochemical properties of pepper (<i>Capsicum annuum</i> L.) seedlings. 2015 , 35, 396-404	6
1012	Synthesis of TiO ₂ and ZnO Nanoparticles by Facile Polyol Method for the Assessment of Possible Agents for Seed Germination. 2015 , 2, 4483-4488	6
1011	Productivity of cowpea as affected by salt stress in presence of endomycorrhizae and <i>Pseudomonas fluorescens</i> . 2015 , 60, 219-226	25
1010	Rapid plant rehydration initiates permanent and adverse changes in the photosynthetic apparatus of triticale. 2015 , 397, 127-145	14
1009	The alleviation of cadmium toxicity in oilseed rape (<i>Brassica napus</i>) by the application of salicylic acid. 2015 , 75, 641-655	53
1008	Overexpression of ubiquitin-like LpHUB1 gene confers drought tolerance in perennial ryegrass. 2015 , 13, 689-99	15

1007	Phytofiltration of arsenic and cadmium by using an aquatic plant, <i>Micranthemum umbrosum</i> : phytotoxicity, uptake kinetics, and mechanism. 2015 , 112, 193-200	25
1006	Exploring Morpho-Physiological Relationships among Drought Resistance Related Traits in Wheat Genotypes Using Multivariate Techniques. 2015 , 38, 2077-2095	3
1005	Design, synthesis and herbicidal evaluation of novel 4-(1H-pyrazol-1-yl)pyrimidine derivatives. 2015 , 71, 1189-96	15
1004	Resistance of <i>Posidonia oceanica</i> seagrass meadows to the spread of the introduced green alga <i>Caulerpa cylindracea</i> : assessment of the role of light. 2015 , 17, 1989-2009	21
1003	Salicylic acid alleviates cadmium-induced inhibition of growth and photosynthesis through upregulating antioxidant defense system in two melon cultivars (<i>Cucumis melo</i> L.). 2015 , 252, 911-24	111
1002	Influence of Zn-contaminated soils in the antioxidative defence system of wheat (<i>Triticum aestivum</i>) and maize (<i>Zea mays</i>) at different exposure times: potential use as biomarkers. 2015 , 24, 279-91	23
1001	Pulsed electric field and pH assisted selective extraction of intracellular components from microalgae <i>Nannochloropsis</i> . 2015 , 8, 128-134	142
1000	Photoacclimation of <i>Caulerpa cylindracea</i> : Light as a limiting factor in the invasion of native Mediterranean seagrass meadows. 2015 , 465, 130-141	16
999	The non-foliar hypoxic photosynthetic syndrome: evidence for enhanced pools and functionality of xanthophyll cycle components and active cyclic electron flow in fruit chlorenchyma. 2015 , 241, 1051-9	2
998	Characterization and molecular cloning of a serine hydroxymethyltransferase 1 (<i>OsSHM1</i>) in rice. 2015 , 57, 745-56	28
997	Alleviation of Salt Stress Adverse Effect and Enhancing Phenolic Anti-oxidant Content of Eggplant by Seaweed Extract. 2015 , 67, 21-31	15
996	Effect of <i>Fusarium culmorum</i> infection on selected physiological and biochemical parameters of barley (<i>Hordeum vulgare</i> L.) DH lines. 2015 , 89, 62-69	6
995	Influence of ofloxacin on photosystems I and II activities of <i>Microcystis aeruginosa</i> and the potential role of cyclic electron flow. 2015 , 119, 159-64	29
994	<i>AtPGK2</i> , a member of PGKs gene family in <i>Arabidopsis</i> , has a positive role in salt stress tolerance. 2015 , 120, 251-262	2
993	Effect of dissolved inorganic carbon on β -carotene and fatty acid production in <i>Dunaliella</i> sp. 2015 , 175, 2895-906	20
992	Effects of linear alkylbenzene sulfonate on the growth and toxin production of <i>Microcystis aeruginosa</i> isolated from Lake Dianchi. 2015 , 22, 5491-9	7
991	Plant growth and tissue sucrose metabolism in the system of trifoliate orange and arbuscular mycorrhizal fungi. 2015 , 181, 189-193	18
990	Biodegradable PLA (polylactic acid) hinged trays keep quality of fresh-cut and cooked spinach. 2015 , 52, 5938-45	9

989	Potential for chromium (VI) bioremediation by the aquatic carnivorous plant <i>Utricularia gibba</i> L. (Lentibulariaceae). 2015 , 22, 9742-8	10
988	Physiological responses of tobacco plants (<i>Nicotiana rustica</i>) pretreated with ethanolamine to salt stress. 2015 , 62, 246-252	8
987	The influence of Si-rich mineral zeolite on the growth processes and adaptive potential of barley plants under cadmium stress. 2015 , 75, 557-565	29
986	Exogenous malic and acetic acids reduce cadmium phytotoxicity and enhance cadmium accumulation in roots of sunflower plants. 2015 , 94, 225-34	67
985	Sonocatalysis of a sulfa drug using neodymium-doped lead selenide nanoparticles. 2015 , 27, 345-358	21
984	Responses of gas exchange, chlorophyll synthesis and ROS-scavenging systems to salinity stress in two ramie (<i>Boehmeria nivea</i> L.) cultivars. 2015 , 53, 455-463	30
983	Silicon nanoparticles (SiNp) alleviate chromium (VI) phytotoxicity in <i>Pisum sativum</i> (L.) seedlings. 2015 , 96, 189-98	290
982	Photosynthetic and biochemical characterization of in vitro-derived African violet (<i>Saintpaulia ionantha</i> H. Wendl) plants to ex vitro conditions. 2015 , 10, 101-108	12
981	Biochemical and physiological characterization for nitrogen use efficiency in aromatic rice genotypes. 2015 , 179, 132-143	26
980	Utilization of proteomics in experimental field conditions--A case study of poplars growing on grassland affected by long-term starch wastewater irrigation. 2015 , 126, 200-17	7
979	Transmission and Accumulation of Nano-TiO ₂ in a 2-Step Food Chain (<i>Scenedesmus obliquus</i> to <i>Daphnia magna</i>). 2015 , 95, 145-9	32
978	Effect of wood ash application on the morphological, physiological and biochemical parameters of <i>Brassica napus</i> L. 2015 , 95, 15-25	16
977	Disruption of both chloroplastic and cytosolic FBPase genes results in a dwarf phenotype and important starch and metabolite changes in <i>Arabidopsis thaliana</i> . 2015 , 66, 2673-89	44
976	Mycorrhiza symbiosis increases the surface for sunlight capture in <i>Medicago truncatula</i> for better photosynthetic production. 2015 , 10, e0115314	19
975	Effects of Cd on photosynthesis and growth of safflower (<i>Carthamus tinctorius</i> L.) genotypes. 2015 , 53, 506-518	25
974	Cytological and Proteomic Analyses of <i>Osmunda cinnamomea</i> Germinating Spores Reveal Characteristics of Fern Spore Germination and Rhizoid Tip Growth. 2015 , 14, 2510-34	32
973	Immediate and delayed effects of diurnal temperature drops on growth and reproductive development of tomato plants grown under continuous lighting. 2015 , 62, 328-333	4
972	Response of the photosynthetic apparatus in cucumber leaves to daily short-term temperature drops. 2015 , 62, 494-498	7

971	Biomonitoring heavy metal contaminations by moss visible parameters. 2015 , 296, 201-209	37
970	Interplay between vitamin E and phosphorus availability in the control of longevity in <i>Arabidopsis thaliana</i> . 2015 , 116, 511-8	9
969	Biofortification of zinc in onions (<i>Allium cepa</i> L.) and soil Zn status by the application of different organic Zn complexes. 2015 , 186, 254-265	13
968	Cytokinin dynamics in differently senescing laminae of <i>Phragmites australis</i> plants grown in different habitats. 2015 , 99, 54-61	1
967	Photosynthetic irradiance response, canopy photosynthesis and their variation with canopy strata in tall and dwarf fall coconut cultivars (<i>Cocos nucifera</i> L.). 2015 , 189, 175-183	1
966	Ecophysiological response to seasonal variations in water availability in the arborescent, endemic plant <i>Vellozia gigantea</i> . 2015 , 35, 253-65	17
965	Bacterial-Mediated Induction of Systemic Tolerance to Salinity with Expression of Stress Alleviating Enzymes in Soybean (<i>Glycine max</i> L. Merrill). 2015 , 34, 558-573	68
964	Effects of ALA on Photosynthesis, Antioxidant Enzyme Activity, and Gene Expression, and Regulation of Proline Accumulation in Tomato Seedlings Under NaCl Stress. 2015 , 34, 637-650	30
963	Operative photo assimilation associated proteome modulations are critical for iron-dependent cadmium tolerance in <i>Oryza sativa</i> L. 2015 , 252, 1375-86	25
962	Biomarkers of ecotoxicological oxidative stress in an urban environment: using evergreen plant in industrial areas. 2015 , 24, 903-14	6
961	The importance of blue light for leaf area expansion, development of photosynthetic apparatus, and chloroplast ultrastructure of <i>Cucumis sativus</i> grown under weak light. 2015 , 53, 213-222	86
960	Daily temperature drop prevents inhibition of photosynthesis in tomato plants under continuous light. 2015 , 53, 389-394	13
959	Physiological effects of ozone exposure on De Colgar and Rechaiga II tomato (<i>Solanum lycopersicum</i> L.) cultivars. 2015 , 22, 12124-32	7
958	The dual effects of two inorganic selenium forms on the growth, selected physiological parameters and macronutrients accumulation in cucumber plants. 2015 , 37, 1	89
957	Beneficial effects of silicon in alleviating salinity stress of tomato seedlings grown under sand culture. 2015 , 37, 1	86
956	Impact of scale insect infestation on the content of photosynthetic pigments and chlorophyll fluorescence in two host plant species. 2015 , 9, 55-65	30
955	Influence of Ultrasound on Fresh-Cut Mango Quality Through Evaluation of Enzymatic and Oxidative Metabolism. 2015 , 8, 1532-1542	30
954	Physiological approaches to determine the impact of climate changes on invasive African grasses in the savanna ecoregion of Brazil. 2015 , 74, 3077-3088	6

953	Sodium chloride induced changes in photosynthetic performance and biochemical components of <i>Salvia macrosiphon</i> . 2015 , 20, 79-85	3
952	Phosphite-induced suppression of <i>Pseudomonas</i> bleeding canker (<i>Pseudomonas syringae</i> pv. <i>aesculi</i>) of horse chestnut (<i>Aesculus hippocastanum</i> L.). 2015 , 37, 7-20	4
951	RNA-seq analysis reveals the role of red light in resistance against <i>Pseudomonas syringae</i> pv. <i>tomato</i> DC3000 in tomato plants. 2015 , 16, 120	52
950	Nitrogen deficiency stimulates biosynthesis of bioactive phenylethanoid glycosides in the medicinal plant <i>Castilleja tenuiflora</i> Benth.. 2015 , 37, 1	16
949	Effects of green and red lights on the growth and morphogenesis of potato (<i>Solanum tuberosum</i> L.) plantlets in vitro. 2015 , 190, 104-109	25
948	Jasmonate-induced tolerance of Hassawi okra seedlings to salinity in brackish water. 2015 , 37, 1	17
947	The effects of UV radiation during the vegetative period on antioxidant compounds and postharvest quality of broccoli (<i>Brassica oleracea</i> L.). 2015 , 93, 56-65	36
946	Nondestructive Measurement in Food and Agro-products. 2015 ,	10
945	Exogenous melatonin improves seedling health index and drought tolerance in tomato. 2015 , 77, 317-326	107
944	Oligo-carrageenan kappa increases C, N and S assimilation, auxin and gibberellin contents, and growth in <i>Pinus radiata</i> trees. 2015 , 26, 635-640	16
943	The effect of mealybug <i>Pseudococcus longispinus</i> (Targioni Tozzetti) infestation of different density on physiological responses of <i>Phalaenopsis</i> hybridum 'Innocence'. 2015 , 105, 373-80	6
942	Tolerance performance of the cool-season turfgrass species <i>Festuca ovina</i> , <i>Lolium perenne</i> , <i>Agrostis tenuis</i> , and <i>Poa trivialis</i> to sulfur dioxide stress. 2015 , 10, 75-86	3
941	Iron- and manganese-assisted cadmium tolerance in <i>Oryza sativa</i> L.: lowering of rhizotoxicity next to functional photosynthesis. 2015 , 241, 1519-28	50
940	Leaf gas exchange, chlorophyll fluorescence, non-structural carbohydrate content and growth responses of <i>Distylium chinense</i> during complete submergence and subaerial re-emergence. 2015 , 124, 70-77	15
939	Excess iron alters the fatty acid composition of chloroplast membrane and decreases the photosynthesis rate: a study in hydroponic pea seedlings. 2015 , 37, 1	8
938	The effect of drought on photosynthetic plasticity in <i>Marrubium vulgare</i> plants growing at low and high altitudes. 2015 , 128, 987-94	18
937	Alleviation of waterlogged stress in peach seedlings inoculated with <i>Funneliformis mosseae</i> : Changes in chlorophyll and proline metabolism. 2015 , 197, 130-134	25
936	Influence of a chitosan coating on the quality and nutraceutical traits of loquat fruit during postharvest life. 2015 , 197, 287-296	35

935	Diversity of natural pigments and phytochemical compounds from exocarp and mesocarp of 27 Cucurbita pepo accessions. 2015 , 197, 357-365	6
934	Silicon ameliorates manganese toxicity by regulating both physiological processes and expression of genes associated with photosynthesis in rice (<i>Oryza sativa</i> L.). 2015 , 397, 289-301	31
933	Effects of three endophytic entomopathogens on sweet sorghum and on the larvae of the stalk borer <i>Sesamia nonagrioides</i> . 2015 , 154, 78-87	50
932	Flooding of tropical forests in central Amazonia: what do the effects on the photosynthetic apparatus of trees tell us about species suitability for reforestation in extreme environments created by hydroelectric dams?. 2015 , 37, 1	11
931	Antimony (SbIII) reduces growth, declines photosynthesis, and modifies leaf tissue anatomy in sunflower (<i>Helianthus annuus</i> L.). 2015 , 22, 18699-706	16
930	Toxicity Assessment and Accumulation of Metals in Radish Irrigated With Battery Manufacturing Industry Effluent. 2015 , 21, 373-385	8
929	Mutation of FdC2 gene encoding a ferredoxin-like protein with C-terminal extension causes yellow-green leaf phenotype in rice. 2015 , 238, 127-34	26
928	Ultrasound-assisted green solvent extraction of high-added value compounds from microalgae <i>Nannochloropsis</i> spp. 2015 , 198, 262-7	107
927	Drought-Induced Responses of Physiology, Metabolites, and PR Proteins in <i>Triticum aestivum</i> . 2015 , 63, 8125-33	32
926	The influence of stem girdling on survival and long term health of English oak (<i>Quercus robur</i> L.) and silver birch (<i>Betula pendula</i> Roth.). 2015 , 14, 991-999	6
925	Comparative effects of gibberellic acid, kinetin and salicylic acid on emergence, seedling growth and the antioxidant defence system of sweet sorghum (<i>Sorghum bicolor</i>) under salinity and temperature stresses. 2015 , 66, 145	26
924	Study the effect of insecticide dimethoate on photosynthetic pigments and photosynthetic activity of pigeon pea: Laser-induced chlorophyll fluorescence spectroscopy. 2015 , 151, 297-305	9
923	Silicon-mediated alleviation of Cr(VI) toxicity in wheat seedlings as evidenced by chlorophyll fluorescence, laser induced breakdown spectroscopy and anatomical changes. 2015 , 113, 133-44	121
922	Synthesis, characterization and photocatalytic properties of Er-doped PbSe nanoparticles as a visible light-activated photocatalyst. 2015 , 398, 255-267	30
921	Mechanisms associated with differential tolerance to Fe deficiency in okra (<i>Abelmoschus esculentus</i> Moench). 2015 , 112, 16-26	46
920	High- but not low-intensity light leads to oxidative stress and quality loss of cold-stored baby leaf spinach. 2015 , 95, 1821-9	12
919	Pulsed electric field assisted extraction of nutritionally valuable compounds from microalgae <i>Nannochloropsis</i> spp. using the binary mixture of organic solvents and water. 2015 , 27, 79-85	96
918	Phosphatidylcholine is transferred from chemically-defined liposomes to chloroplasts through proteins of the chloroplast outer envelope membrane. 2015 , 589, 177-81	6

917	Evaluation of yield and some physiological changes in corn and sorghum under irrigation regimes and application of barley residue, zeolite and superabsorbent polymer. 2015 , 61, 891-906	14
916	Ammonium nitrate and iron nutrition effects on some nitrogen assimilation enzymes and metabolites in <i>Spirulina platensis</i> . 2015 , 62, 275-86	9
915	Phytotoxicity in seven higher plant species exposed to di-n-butyl phthalate or bis (2-ethylhexyl) phthalate. 2015 , 9, 259-268	13
914	Storability, shelf-life and quality assurance of sugar snap peas (cv. super sugar snap) using modified atmosphere packaging. 2015 , 100, 205-211	11
913	Effects of brassinosteroids on quality attributes and ethylene synthesis in postharvest tomato fruit. 2015 , 100, 196-204	68
912	The halophytic model plant <i>Thellungiella salsuginea</i> exhibited increased tolerance to phenanthrene-induced stress in comparison with the glycophytic one <i>Arabidopsis thaliana</i> : Application for phytoremediation. 2015 , 74, 125-134	25
911	Leaf greenness as a drought tolerance related trait in potato (<i>Solanum tuberosum</i> L.). 2015 , 110, 27-35	56
910	Effect of deficit irrigation on the postharvest quality of different genotypes of basil including purple and green Iranian cultivars and a Genovese variety. 2015 , 100, 127-135	19
909	Bioactive and yield potential of jelly palms (<i>Butia odorata</i> Barb. Rodr.). 2015 , 172, 699-704	22
908	Hormesis Effects Induced by Cadmium on Growth and Photosynthetic Performance in a Hyperaccumulator, <i>Lonicera japonica</i> Thunb.. 2015 , 34, 13-21	70
907	Using fluorescent material for enhancing microalgae growth rate in photobioreactors. 2015 , 27, 67-74	36
906	The role of photo-osmotic adaptation in semi-continuous culture and lipid particle release from. 2015 , 27, 109-123	12
905	Nutraceutical potential, antioxidant and antibacterial activities of <i>Terfezia boudieri</i> Chatin, a wild edible desert truffle from Tunisia arid zone. 2016 , 9, 383-389	28
904	Sequential abiotic stress applied to juvenile eggplant modifies the seedlings parameters, plant ontogeny and yield. 2016 , 43, 149-157	6
903	Influence of diesel and biodiesel fuel-contaminated soil on microorganisms, growth and development of plants. 2016 , 61, 189-194	18
902	Nutritional, Antioxidant and Antibacterial Properties of <i>Tirmania nivea</i> , A Wild Edible Desert Truffle from Tunisia Arid Zone. 2016 , 05,	5
901	The impact of salicylic acid on some physiological responses of <i>Artemisia aucheri</i> Boiss. under in vitro drought stress. 2016 , 107, 287	5
900	Drought tolerance in transgenic tropical maize (<i>Zea mays</i> L.) by heterologous expression of peroxiredoxin2 gene-XvPrx2. 2016 , 15, 1350-1362	3

899	Ecophysiological performance of a threatened shrub under restored and natural conditions in a harsh tropical mountaintop environment. 2016 , 30, 17-26	8
898	Leaf application of silicon in young cacao plants subjected to water deficit. 2016 , 51, 215-223	13
897	Application of Wireless Power Transmission Led Lighting System in Propagation of Chrysanthemum and Strawberry. 2016 , 34, 617-630	1
896	Drought tolerant tropical maize (<i>Zea mays</i> L.) developed through genetic transformation with isopentenyltransferase gene. 2016 , 15, 2447-2464	12
895	Effects of TiO ₂ nanoparticles and water-deficit stress on morpho-physiological characteristics of dragonhead (<i>Dracocephalum moldavica</i> L.) plants. 2016 , 107, 385	46
894	PHYSIOLOGICAL AND PHENOLOGICAL VEGETATIVE RESPONSES OF <i>Campomanesia adamantium</i> (Cambess) O. Berg (Myrtaceae) TO THE HYDRIC SEASONALITY OF RUPESTRIAN FIELDS. 2016 , 40, 973-981	
893	Photosynthesis enhanced oxidative stress tolerance in high-yield rice varieties (<i>Oryza sativa</i> var. japonica L.) in the field. 2016 , 15,	
892	The Photosynthetic Characteristics in Chaling Common Wild Rice (<i>Oryza rufipogon</i> Griff.) under the Cold Stress. 2016 , 44, 404-410	5
891	Interspecific variation in leaf pigments and nutrients of five tree species from a subtropical forest in southern Brazil. 2016 , 88 Suppl 1, 467-77	4
890	Hydrogen Sulfide Alleviates Postharvest Senescence of Grape by Modulating the Antioxidant Defenses. 2016 , 2016, 4715651	56
889	Proteomic Analysis Reveals the Leaf Color Regulation Mechanism in Chimera Hosta "Gold Standard" Leaves. 2016 , 17, 346	6
888	Synthesis and Herbicidal Activity of 5-Heterocycloxy-3-methyl-1-substituted-1H-pyrazoles. 2015 , 21, E39	5
887	Examining the Influence of Seasonality, Condition, and Species Composition on Mangrove Leaf Pigment Contents and Laboratory Based Spectroscopy Data. 2016 , 8, 226	10
886	A novel Glycine soja homeodomain-leucine zipper (HD-Zip) I gene, Gshdz4, positively regulates bicarbonate tolerance and responds to osmotic stress in Arabidopsis. 2016 , 16, 184	21
885	Zinc Oxide Nanoparticles Affect Biomass Accumulation and Photosynthesis in Arabidopsis. 2015 , 6, 1243	138
884	Improving Light Distribution by Zoom Lens for Electricity Savings in a Plant Factory with Light-Emitting Diodes. 2016 , 7, 92	12
883	The Arabidopsis Thylakoid Chloride Channel AtCLCe Functions in Chloride Homeostasis and Regulation of Photosynthetic Electron Transport. 2016 , 7, 115	46
882	Effect of the Gall Wasp <i>Leptocybe invasa</i> on Hydraulic Architecture in <i>Eucalyptus camaldulensis</i> Plants. 2016 , 7, 130	7

881	Impacts of Priming with Silicon on the Growth and Tolerance of Maize Plants to Alkaline Stress. 2016, 7, 243	130
880	Leaf Morphology, Photosynthetic Performance, Chlorophyll Fluorescence, Stomatal Development of Lettuce (<i>Lactuca sativa</i> L.) Exposed to Different Ratios of Red Light to Blue Light. 2016, 7, 250	146
879	Performance of Introducing Outdoor Cold Air for Cooling a Plant Production System with Artificial Light. 2016, 7, 270	2
878	Native-Invasive Plants vs. Halophytes in Mediterranean Salt Marshes: Stress Tolerance Mechanisms in Two Related Species. 2016, 7, 473	38
877	ALA Inhibits ABA-induced Stomatal Closure via Reducing H ₂ O ₂ and Ca ²⁺ Levels in Guard Cells. 2016, 7, 482	28
876	Regulation of Plant Growth, Photosynthesis, Antioxidation and Osmosis by an Arbuscular Mycorrhizal Fungus in Watermelon Seedlings under Well-Watered and Drought Conditions. 2016, 7, 644	102
875	Characterization of an Autophagy-Related Gene MdATG8i from Apple. 2016, 7, 720	29
874	Role of Silicon Counteracting Cadmium Toxicity in Alfalfa (<i>Medicago sativa</i> L.). 2016, 7, 1117	48
873	New Features on the Environmental Regulation of Metabolism Revealed by Modeling the Cellular Proteomic Adaptations Induced by Light, Carbon, and Inorganic Nitrogen in <i>Chlamydomonas reinhardtii</i> . 2016, 7, 1158	6
872	Environmental and Genetic Factors Associated with Solanesol Accumulation in Potato Leaves. 2016, 7, 1263	15
871	Comparative Evaluation of Biochemical Changes in Tomato (Mill.) Infected by and Its Toxic Metabolites (TeA, AOH, and AME). 2016, 7, 1408	76
870	Mg-Protoporphyrin IX Signals Enhance Plant's Tolerance to Cold Stress. 2016, 7, 1545	3
869	Regulation of Phytosiderophore Release and Antioxidant Defense in Roots Driven by Shoot-Based Auxin Signaling Confers Tolerance to Excess Iron in Wheat. 2016, 7, 1684	10
868	Potential Bioregulators for Rape (<i>Brassica napus</i> L.) Plants. 2016, 73,	
867	Identification and regulation of host genes related to Rice stripe virus symptom production. 2016, 209, 1106-19	57
866	Interactive effects of cadmium and copper on metal accumulation, oxidative stress, and mineral composition in <i>Brassica napus</i> . 2016, 13, 2163-2174	42
865	Moderate water stress prevents the postharvest decline of ascorbic acid in spinach (<i>Spinacia oleracea</i> L.) but not in spinach beet (<i>Beta vulgaris</i> L.). 2016, 96, 2976-80	4
864	Microbe-based technology ameliorates glandular trichomes, secondary metabolites and antioxidants in <i>Pelargonium graveolens</i> L'Herf. 2016, 96, 4151-9	14

863	Silenced rice in both cytosolic ascorbate peroxidases displays pre-acclimation to cope with oxidative stress induced by 3-aminotriazole-inhibited catalase. 2016 , 201, 17-27	26
862	Combined Chlorophyll Fluorescence and Transcriptomic Analysis Identifies the P3/P4 Transition as a Key Stage in Rice Leaf Photosynthetic Development. 2016 , 170, 1655-74	9
861	Physiological and agronomical responses of common bean subjected to tryptophol. 2016 , 168, 195-202	5
860	Hydrogen peroxide affects plant growth promoting effects of Azospirillum. 2016 , 19, 167-175	8
859	Quality of Fresh Cut Zucchini as Affected by Cultivar, Maturity at Processing and Packaging. 2016 , 29, 365-382	6
858	Fruit carotenoid-deficient mutants in tomato reveal a function of the plastidial isopentenyl diphosphate isomerase (IDI1) in carotenoid biosynthesis. 2016 , 88, 82-94	33
857	Antagonist effects of Bacillus spp. strains against Fusarium graminearum for protection of durum wheat (<i>Triticum turgidum</i> L. subsp. durum). 2016 , 192, 148-158	59
856	Each of the chloroplast potassium efflux antiporters affects photosynthesis and growth of fully developed Arabidopsis rosettes under short-day photoperiod. 2016 , 158, 483-491	13
855	Growth and physiological responses of Eichhornia crassipes to clonal integration under experimental defoliation. 2016 , 50, 153-162	10
854	Response of wheat growth and productivity to exogenous polyamines under lead stress. 2016 , 19, 363-371	22
853	Effect of aluminium toxicity on concentration of photosynthetic pigments in two potato cultivars with different aluminium sensitivity. 2016 , 61-66	1
852	Effects of salt stress on some physiological parameters and mineral element contents of onion (<i>Allium cepa</i> L.) plants. 2016 , 179-186	3
851	Effects of elevated mean and extremely high temperatures on the physio-ecological characteristics of geographically distinctive populations of <i>Cunninghamia lanceolata</i> . 2016 , 6, 39187	2
850	Variation in the phenotypic features and transcripts of thermo-sensitive leaf-color mutant induced by carbon ion beam in Green wandering jew (<i>Tradescantia fluminensis</i>). 2016 , 213, 303-313	11
849	Effect of Kelp Waste Extracts on the Growth and Development of Pakchoi (<i>Brassica chinensis</i> L.). 2016 , 6, 38683	20
848	Auxin signaling is closely associated with Zn-efficiency in rice (<i>Oryza sativa</i> L.). 2016 , 11, 124-129	31
847	Exogenous glutathione improves high root-zone temperature tolerance by modulating photosynthesis, antioxidant and osmolytes systems in cucumber seedlings. 2016 , 6, 35424	47
846	A voltage-dependent chloride channel fine-tunes photosynthesis in plants. 2016 , 7, 11654	81

845	Evaluation of a Multilocus Indel DNA Region for the Detection of the Wheat Tan Spot Pathogen <i>Pyrenophora tritici-repentis</i> . 2016 , 100, 2215-2225	4
844	Genotype and harvesting period effects on nutritional components of two cherry tomatoes. 2016 , 311-316	
843	Influence of controlled light condition on developmental parameters of tomato seedlings (<i>Solanum lycopersicum</i>). 2016 , 361-368	
842	Genetic variation in Fe toxicity tolerance is associated with the regulation of translocation and chelation of iron along with antioxidant defence in shoots of rice. 2016 , 43, 1070-1081	17
841	What drivers phenotypic divergence in <i>Leymus chinensis</i> (Poaceae) on large-scale gradient, climate or genetic differentiation?. 2016 , 6, 26288	3
840	Photosynthetic and anatomical responses of three plant species at two altitudinal levels in the Neotropical savannah. 2016 , 64, 696	4
839	The role of roots in the accumulation and removal of cadmium by the aquatic plant <i>Hydrilla verticillata</i> . 2016 , 23, 13308-16	9
838	Biochemical and molecular responses underlying differential arsenic tolerance in rice (<i>Oryza sativa</i> L.). 2016 , 104, 266-77	81
837	Studies on plant cell toxicity of luminescent silica nanoparticles (Cs ₂ [Mo ₆ Br ₁₄]@SiO ₂) and its constitutive components. 2016 , 18, 1	15
836	Chilling Injury in Cucumber Seedlings Amelioration by Methyl Salicylate. 2016 , 22, 432-441	3
835	Impact of cement dust pollution on <i>Cedrela fissilis</i> Vell. (Meliaceae): A potential bioindicator species. 2016 , 158, 56-65	11
834	Ureide metabolism under abiotic stress in <i>Arabidopsis thaliana</i> . 2016 , 199, 87-95	39
833	Expression of OsMYB55 in maize activates stress-responsive genes and enhances heat and drought tolerance. 2016 , 17, 312	83
832	Spectral characterization of β -carotene-3, 3'-diol (lutein) from marine microalgae <i>Chlorella salina</i> . 2016 , 98, 78-83	8
831	Growth under elevated air temperature alters secondary metabolites in <i>Robinia pseudoacacia</i> L. seedlings in Cd- and Pb-contaminated soils. 2016 , 565, 586-594	42
830	Improvement of <i>Pisum sativum</i> salt stress tolerance by bio-priming their seeds using <i>Typha angustifolia</i> leaves aqueous extract. 2016 , 105, 240-250	23
829	Cyanobacterial and algal growth on chitin as a source of nitrogen; ecological, evolutionary, and biotechnological implications. 2016 , 15, 152-163	10
828	Alleviation of antimonate (SbV) toxicity in maize by silicon (Si). 2016 , 128, 11-17	23

827	Heterogeneous sono-Fenton process using pyrite nanorods prepared by non-thermal plasma for degradation of an anthraquinone dye. 2016 , 32, 357-370	59
826	The functional role of the photosynthetic apparatus in the recovery of Brassica napus plants from pre-emergent metazachlor exposure. 2016 , 196-197, 99-105	8
825	Role of pulsed electromagnetic field on enzyme activity, germination, plant growth and yield of durum wheat. 2016 , 6, 152-158	5
824	The physiological status and stress biomarker concentration of Coriandrum sativum L. plants subjected to chilling are modified by biostimulant application. 2016 , 32, 258-268	19
823	Effect of photosynthetic photon flux density on growth, photosynthetic competence and antioxidant enzymes activity during ex vitro acclimatization of Dieffenbachia cultivars. 2016 , 79, 29-37	9
822	Sana Physiological responses of two grapevine (Vitis vinifera L.) cultivars to Cycocel™ treatment during drought. 2016 , 91, 211-219	4
821	Sensitivity of the xerophytic moss Syntrichia caninervis to prolonged simulated nitrogen deposition. 2016 , 117, 1153-61	15
820	Physiological and transcriptional responses of two contrasting Populus clones to nitrogen stress. 2016 , 36, 628-42	17
819	Differential fine-regulation of enzyme driven ROS detoxification network imparts salt tolerance in contrasting peanut genotypes. 2016 , 128, 79-90	25
818	The different response mechanisms of Wolffia globosa: Light-induced silver nanoparticle toxicity. 2016 , 176, 97-105	40
817	Interactive effects of grapevine leafroll-associated virus 3 (GLRaV-3) and water stress on the physiology of Vitis vinifera L. cv. Malvasia de Banyalbufar and Giro-Ros. 2016 , 196-197, 106-15	11
816	Salt stress induced lipid accumulation in heterotrophic culture cells of Chlorella protothecoides: Mechanisms based on the multi-level analysis of oxidative response, key enzyme activity and biochemical alteration. 2016 , 228, 18-27	50
815	Salt tolerance of the halophyte Limonium delicatulum is more associated with antioxidant enzyme activities than phenolic compounds. 2016 , 43, 607-619	26
814	Photosynthetic performance of soybean plants to water deficit under high and low light intensity. 2016 , 105, 279-287	36
813	Influence of 5-aminolevulinic acid on photosynthetically related parameters and gene expression in Brassica napus L. under drought stress. 2016 , 62, 254-262	12
812	Associative interplay of plant growth promoting rhizobacteria (Pseudomonas aeruginosa QS40) with nitrogen fertilizers improves sunflower (Helianthus annuus L.) productivity and fertility of aridisol. 2016 , 108, 238-247	25
811	Content of biogenic amines in Lemna minor (common duckweed) growing in medium contaminated with tetracycline. 2016 , 180, 95-102	21
810	Without exceeding the limits: industrial soil rich in Zn and Cd has no effect on purslane and lettuce but promotes geranium growth. 2016 , 75, 1	8

809	Effect of Nitrogen on the Dynamics of Leaf Population Demography in Whole Plants of <i>Wedelia trilobata</i> . 2016 , 177, 694-705	
808	Effect of temperature on oxidative stress induced by lead in the leaves of <i>Plantago major</i> L.. 2016 , 30, 285-292	3
807	Phenological Changes of Leaf Nutrients in <i>Vitis labrusca</i> L. Grape Grafted on Different Rootstocks in Heavy Clay Soil Conditions. 2016 , 58, 211-217	2
806	<i>Medicago truncatula</i> genotypes Jemalong A17 and R108 show contrasting variations under drought stress. 2016 , 109, 190-198	6
805	Contrasting patterns of sun-red and shade-green leaves of <i>Buxus microphylla</i> in response to gradients of excess light during winter acclimation. 2016 , 38, 1	1
804	Glutathione-mediated regulation of nitric oxide, S-nitrosothiol and redox homeostasis confers cadmium tolerance by inducing transcription factors and stress response genes in tomato. 2016 , 161, 536-545	72
803	Antioxidative properties of 34 green leafy vegetables. 2016 , 26, 176-186	36
802	Inoculation of <i>Brassica oxyrrhina</i> with plant growth promoting bacteria for the improvement of heavy metal phytoremediation under drought conditions. 2016 , 320, 36-44	150
801	Nickel tolerance, accumulation and subcellular distribution in the halophytes <i>Sesuvium portulacastrum</i> and <i>Cakile maritima</i> . 2016 , 108, 295-303	24
800	Effect of nitrogen rate and fertilizer nitrogen source on physiology, yield, grain quality, and nitrogen use efficiency in corn. 2016 , 96, 392-403	26
799	The determination of 22 natural brassinosteroids in a minute sample of plant tissue by UHPLC-ESI-MS/MS. 2016 , 408, 6799-812	33
798	Effects of wettability on the growth of <i>Scenedesmus obliquus</i> biofilm attached on glass surface coated with polytetrafluoroethylene emulsion. 2016 , 41, 21728-21735	25
797	Leaf acclimation to experimental climate warming in meadow plants of different functional types. 2016 , 63, 849-860	3
796	Postharvest Application of Oligochitosan and Chitosan Reduces Calyx Alterations of Citrus Fruit Induced by Ethephon Degreening Treatment. 2016 , 64, 7394-7403	14
795	Photosynthesis adaptation of the desert-steppe shrub <i>Caragana bungei</i> to larch forest conditions at mountainous slopes in Mongolian Khangai. 2016 , 6, 195-205	3
794	The effect of light quality on seed germination, seedling growth and selected biochemical properties of <i>Stevia rebaudiana</i> Bertoni. 2016 , 211, 295-304	50
793	Impacts of chilling on photosynthesis and chlorophyll pigment content in juvenile basil cultivars. 2016 , 57, 330-339	26
792	The effect of the biostimulator Goteo on the rooting of ninebark stem cuttings. 2016 , 28, 109-116	5

791	Effect of tetracycline on the growth and nutrient removal capacity of <i>Chlamydomonas reinhardtii</i> in simulated effluent from wastewater treatment plants. 2016 , 218, 1163-9	30
790	Iron plaque decreases cadmium accumulation in <i>Oryza sativa</i> L. and serves as a source of iron. 2016 , 18, 1008-1015	48
789	Comparative effects of nanoscale zero-valent iron (nZVI) and Fe ₂ O ₃ nanoparticles on root hydraulic conductivity of <i>Solanum lycopersicum</i> L.. 2016 , 131, 128-136	27
788	Responses of <i>Castanopsis hystrix</i> seedlings to macronutrient imbalances: Growth, photosynthetic pigments and foliar nutrient interactions. 2016 , 39, 1663-1671	0
787	Remediation of Chromium Toxicity Through Exogenous Salicylic Acid in Rice (<i>Oryza sativa</i> L.). 2016 , 227, 1	13
786	Relationship between leaf reddening, ROS and antioxidants in <i>Buxus microphylla</i> during overwintering. 2016 , 38, 1	3
785	Comparison of antioxidant enzyme activities and DNA damage in chickpea (<i>Cicer arietinum</i> L.) genotypes exposed to vanadium. 2016 , 23, 19787-96	35
784	Elevated CO ₂ affects secondary metabolites in <i>Robinia pseudoacacia</i> L. seedlings in Cd- and Pb-contaminated soils. 2016 , 160, 199-207	23
783	Oxidative stress in duckweed (<i>Lemna minor</i> L.) induced by glyphosate: Is the mitochondrial electron transport chain a target of this herbicide?. 2016 , 218, 402-409	68
782	Ethylene and hydrogen peroxide are involved in brassinosteroid-induced salt tolerance in tomato. 2016 , 6, 35392	71
781	Characterization of a novel β barrel protein (AtOM47) from the mitochondrial outer membrane of <i>Arabidopsis thaliana</i> . 2016 , 67, 6061-6075	11
780	Tight control of nitrate acquisition in a plant species that evolved in an extremely phosphorus-impooverished environment. 2016 , 39, 2754-2761	17
779	Maghemite nanoparticles and ferrous sulfate for the stimulation of iron plaque formation and arsenic immobilization in <i>Phragmites australis</i> . 2016 , 219, 296-304	23
778	Rewiring of jasmonate and phytochrome B signalling uncouples plant growth-defense tradeoffs. 2016 , 7, 12570	205
777	The novel protein DELAYED PALE-GREENING1 is required for early chloroplast biogenesis in <i>Arabidopsis thaliana</i> . 2016 , 6, 25742	9
776	Optimum Nitrogen Fertilization for <i>Phyllostachys edulis</i> Productivity and Photosynthetic Response. 2016 , 108, 448-458	3
775	Functional analyses of <i>Populus euphratica</i> brassinosteroid biosynthesis enzyme genes and in the regulation of growth and development of. 2016 , 41, 727-742	14
774	Application of visible/near-infrared reflectance spectroscopy for predicting internal and external quality in pepper. 2016 , 96, 3114-25	20

773	Biochemical and molecular changes in rice seedlings (<i>Oryza sativa</i> L.) to cope with chromium stress. 2016 , 18, 710-9	35
772	Photosynthetic pigments, ionic and antioxidative behaviour of hulled tetraploid wheat in response to NaCl. 2016 , 54, 340-350	26
771	Beneficial effects of exogenous selenium, glycine betaine and seaweed extract on salt stressed cowpea plant. 2016 , 61, 41-48	39
770	Cadmium accumulation and tolerance of <i>Macleaya cordata</i> : a newly potential plant for sustainable phytoremediation in Cd-contaminated soil. 2016 , 23, 10189-99	37
769	Interspecific variation in vitamin E levels and the extent of lipid peroxidation in pioneer and non-pioneer species used in tropical forest restoration. 2016 , 36, 1151-61	1
768	A novel paradigm for the high-efficient production of phycocyanin from <i>Galdieria sulphuraria</i> . 2016 , 218, 272-8	28
767	Does nitrate co-pollution affect biological responses of an aquatic plant to two common herbicides?. 2016 , 177, 355-64	14
766	The Effect of Nanosilver on Postharvest Longevity of <i>Thalictrum aquilegifolium</i> L. Foliage. 2020 , 73,	
765	Determination of Pigment Contents in Leaf Tissue. 2020 , 95-97	
764	Revealing dual roles of g-CN in <i>Chlorella vulgaris</i> cultivation. 2021 , 424, 127639	0
763	Can Alkyl Quaternary Ammonium Cations Substitute HO in Controlling Cyanobacterial Blooms-Laboratory and Mesocosm Studies. 2021 , 9,	0
762	New insights into the efficient charge transfer of the modified-TiO ₂ /Ag ₃ PO ₄ composite for enhanced photocatalytic destruction of algal cells under visible light. 2021 , 302, 120868	4
761	Postharvest application of single, multi-walled carbon nanotubes and nanographene oxide improves rose keeping quality. 1-15	10
760	Cold Tolerance during the Reproductive Phase in Chickpea (<i>C. L.</i>) Is Associated with Superior Cold Acclimation Ability Involving Antioxidants and Cryoprotective Solutes in Anthers and Ovules. 2021 , 10,	1
759	Formulation and efficacy testing of bio-organic fertilizer produced through solid-state fermentation of agro-waste by <i>Burkholderia cenocepacia</i> . 2021 , 132762	0
758	Alternative splicing triggered by the insertion of a CACTA transposon attenuates LsGLK and leads to the development of pale-green leaves in lettuce. 2021 ,	1
757	Effects of Long-Term Non-Pruning on Main Quality Constituents in 'Dancong' Tea () Leaves Based on Proteomics and Metabolomics Analysis. 2021 , 10,	0
756	Utilization of Atmospheric Plasmas for Agricultural Applications. 2020 , 278-287	

- 755 Comparative Paraquat Sensitivity of Newly Germinated and Mature Fronds of the Aquatic Macrophyte *Spirodela polyrrhiza*. **2020**, 11, 1008-1024 2
- 754 Effect of Tytanit[®] on the Physiological Activity of Wild Strawberry (*Fragaria vesca* L.) Grown in Salinity Conditions. **2020**, 24, 279-288 1
- 753 Comparative study on germination and seedling growth of wheat cultivars under salt stress regimes. 439-449
- 752 Silencing of the receptor-like cytoplasmic kinase gene TaRKL1 reduces photosynthetic capacity in wheat. **2020**, 58, 1188-1199 2
- 751 Biogenic Silver Nanoparticles Synthesis from New Record Aquatic Bacteria of Nile Tilapia and Evaluation of their Biological Activity. **2020**, 14, 2491-2511 1
- 750 Etkileri. Fiziolojik ve Biyokimyasal Cevaplar Üzerine Etkileri. **2020**, 24, 00072 1
- 749 Increased soil moisture aggravated the competitive effects of the invasive tree *Rhus typhina* on the native tree *Cotinus coggygia*.
- 748 Bioecological features of *Rosa rugosa* Thunb. in urban ecosystems of the Kola North. **2020**, 24, 00072 1
- 747 Mycorrhization and saline stress response in *Hyptis suaveolens*. **2020**, 50,
- 746 Increased soil moisture aggravated the competitive effects of the invasive tree *Rhus typhina* on the native tree *Cotinus coggygia*.
- 745 Effect of Seed Priming with Nanosilicon on Morpho-Physiological Characteristics, Quercetin Content and Antioxidant Capacity in *Calendula officinalis* L. under Drought Stress Conditions. **2020**, 4, 186-203 1
- 744 Enhancing Xanthine Dehydrogenase Activity is an Effective Way to Delay Leaf Senescence and Increase Rice Yield.
- 743 Exogenous Application of Elicitors Induces Biochemical Alterations and Develops Tolerance against Yellow Mosaic Disease in Mungbean. **2020**, 9, 01-17
- 742 The Role of Nano-Silicon and Other Soil Conditioners in Improving Physiology and Yield of Drought Stressed Barley Crop. **2021**, 67, 124-143
- 741 Encodes a MYB-Type Transcription Factor That Is Involved in Russet Skin Coloration in Pear (*Pyrus*). **2021**, 12, 776816 1
- 740 Is Your Moss Alive during Active Biomonitoring Study?. **2021**, 10, 1
- 739 In vitro germination of *Adenium obesum* under the effects of culture medium and light emitting diodes of different colors. 1
- 738 Praseodymium enhanced the tolerance of maize seedlings subjected to cadmium stress by up-regulating the enzymes in the regeneration and biosynthetic pathways of ascorbate and glutathione. 2

- 737 Radiosensitivity of Feline Calicivirus F9 on Iceberg Lettuce Surface after Combined Treatments with Radiation. **2020**, 83, 2134-2146
- 736 Preliminary Phytochemical Screening, Evaluation of the Phenolic Compositions and Antioxidant Activities of Four Iranian Alyssum Species. **2020**, 16, 581-587 1
- 735 Su Mercimeğinde (Lemna minor L.) Everzol Red LFB Toksikitesinin Eksojen Salisilik Asit ile Azaltılması
- 734 Changes in the plastid ultrastructure during greening in cultured soybean cells. **1989**, 47, 1010-1011
- 733 Influence of the Systematic Position at the Family Level on the Leaf Functional Traits of Steppe Plants. **2020**, 13, 533-544
- 732 Effects of Low Light on Development of *Ageratina altissima* and *Rudbeckia laciniata* (Asteraceae), Species of the Tallgrass Prairie. **2020**, 123, 0
- 731 An alternative method to maintain the quality of cucumbers with pre-storage UV-C treatment. **2020**, 127-134
- 730 Kurūn Uygulamasının Yerfıstıkđaki (*Arachis hypogaea* L.) Fizyolojik Etkileri*.
- 729 Table_1.DOC. **2019**, 1
- 728 Thermo-priming increases heat-stress tolerance in seedlings of the Mediterranean seagrass *P. oceanica*. **2021**, 174, 113164 2
- 727 Interactive Impacts of Soil Salinity and Jasmonic Acid and Humic Acid on Growth Parameters, Forage Yield and Photosynthesis Parameters of Sorghum Plants. **2022**, 146, 293-303 2
- 726 In vitro multiplication protocol for *Curcuma mangga* : Studies on carbon, cytokinin source and explant size. **2021**, 16, 69-76
- 725 Olive antioxidants under climatic conditions. **2021**, 20, 43-61
- 724 Effect of Cadmium and Copper Exposure on Growth, Physio-Chemicals and Medicinal Properties of *L. (Pigeon Pea)*. **2021**, 11, 2
- 723 Exogenous Myo-Inositol Alleviates Salt Stress by Enhancing Antioxidants and Membrane Stability via the Upregulation of Stress Responsive Genes in *L.* **2021**, 10, 3
- 722 Potassium silicate combined with glycine betaine improved salt tolerance in *Dalbergia odorifera*. **2021**, 65, 323-332 1
- 721 Species-specific responses of spectral reflectance and the photosynthetic characteristics in two selected Antarctic mosses to thallus desiccation. **2022**, 44, 1 1
- 720 Sulfur-Induced Resistance against pv. via Triggering Salicylic Acid Signaling Pathway in Kiwifruit. **2021**, 22, 1

7 ¹⁹	Role of NADPH oxidase-mediated hydrogen peroxide in 5-aminolevulinic acid induced photooxidative stress tolerance in pear leaves. 2021 , 294, 110771	1
7 ¹⁸	Effect of phytochemical vanillic acid on the growth and lipid accumulation of freshwater microalga <i>Euglena gracilis</i> . 2021 , 37, 217	0
7 ¹⁷	Strigolactones Modulate Cellular Antioxidant Defense Mechanisms to Mitigate Arsenate Toxicity in Rice Shoots. 2021 , 10,	0
7 ¹⁶	Molecular Manipulation of the miR396 and miR399 Expression Modules Alters the Response of to Phosphate Stress.. 2021 , 10,	3
7 ¹⁵	Selection of Culture Conditions and Cell Morphology for Biocompatible Extraction of β -Carotene from. 2021 , 19,	1
7 ¹⁴	Analysis of leaf chlorophyll content of paddy plants during vegetative stage grown in soil media containing macroalgae organic fertilizer. 2021 , 913, 012025	0
7 ¹³	Biocrude oil and high-value metabolite production potential of the <i>Nitzschia</i> sp.. 1	1
7 ¹²	Effect of Sodium Nitroprusside on Physiological Traits and Grain Yield of Oilseed Rape (<i>Brassica napus</i> L.) Under Different Irrigation Regimes. 2022 , 74, 111	
7 ¹¹	Antioxidant properties of pepper (<i>Capsicum annuum</i> L.) depending on its cultivar and fruit colouration. 2021 , 67, 653-659	1
7 ¹⁰	Residual Effect of Green Manure with Different Grass/Legume Ratios on the Sequential Cultivation of Broccoli and <i>Brachiaria</i> . 1	
7 ⁰⁹	The Combined Effect of ZnO and CeO Nanoparticles on L.: A Photosynthesis and Nutrients Uptake Study. 2021 , 10,	2
7 ⁰⁸	Floating system improves acclimatization of micropropagated pear plantlets. 2021 , 727-732	
7 ⁰⁷	Silicon delays salt stress-induced senescence by increasing cytokinin synthesis in tomato. 2021 , 110750	3
7 ⁰⁶	Mitochondria-Targeted SmsHSP24.1 Overexpression Stimulates Early Seedling Vigor and Stress Tolerance by Multi-Pathway Transcriptome-Reprogramming. 2021 , 12, 741898	0
7 ⁰⁵	Influence of nitrogen on the growth and yield of cotton under salinity stress. 1-17	
7 ⁰⁴	Functional evenness and community-weighted mean traits have strong correlation with macrophyte community productivity. 2022 , 84, 1	
7 ⁰³	Hyperspectral Characteristics and Scale Effects of Leaf and Canopy of Summer Maize under Continuous Water Stresses. 2021 , 11, 1180	0
7 ⁰²	Salt Stress Induces Paramylon Accumulation and Fine-Tuning of the Macro-Organization of Thylakoid Membranes in Cells. 2021 , 12, 725699	1

701	Wastewater from the demineralization of cheese whey for cost-efficient cultivation of spirulina. 1	0
700	Airborne hyperspectral imaging of nitrogen deficiency on crop traits and yield of maize by machine learning and radiative transfer modeling. 2021 , 105, 102617	5
699	Effect of gibberellic acid (GA3) addition on physiological parameters and metal uptake in <i>Phaseolus vulgaris</i> seedlings under cadmium and lead stress.. 1-17	0
698	Effect of <i>Pythium aphanidermatum</i> (root rot pathogen) on the physiology of <i>Luffa cylindrica</i> (Sponge gourd) and its management by microbial antagonists. 2022 , 146, 614-623	
697	Phosphate fertilizers increase CO2 assimilation and yield of soybean in a shaded environment.	0
696	Defoliation Significantly Suppressed Plant Growth Under Low Light Conditions in Two Leguminosae Species.. 2021 , 12, 777328	1
695	Chlorophyll a fluorescence parameters are related to the leaf economics spectrum of tropical tree species in a mixed plantation. 2022 , 36, 763	1
694	Melatonin Promotes SGT1-Involved Signals to Ameliorate Drought Stress Adaption in Rice.. 2022 , 23,	2
693	Zinc highly potentiates the plant defense responses against <i>Macrophomina phaseolina</i> in mungbean. 2022 , 44, 1	0
692	Relationships between leaf color changes, pigment levels, enzyme activity, photosynthetic fluorescence characteristics and chloroplast ultrastructure of <i>Liquidambar formosana</i> Hance. 1	1
691	Validation of meta Topolin in organogenesis, improved morpho-physio-chemical responses, and clonal fidelity analysis in <i>Dioscorea pentaphylla</i> L. an underutilized yam species. 2022 ,	1
690	Physiological and proteomic analyses reveal the effects of exogenous nitrogen in diminishing Cd detoxification in <i>Acacia auriculiformis</i> . 2021 , 229, 113057	0
689	Gaseous ozone treatments of Hayward and Borealis kiwifruit in commercial storage. 2022 , 321-328	1
688	Mycorrhizal Fungi Inoculation Improves <i>Capparis spinosa</i> Yield, Nutrient Uptake and Photosynthetic Efficiency under Water Deficit. 2022 , 12, 149	2
687	Continuous LED Lighting Enhances Yield and Nutritional Value of Four Genotypes of Brassicaceae Microgreens.. 2022 , 11,	2
686	Dataset on the effect of soaking Kale (<i>Brassica Oleracea</i> L. var. <i>acephala</i> DC.) seeds in solution based on amorphous silicon dioxide on the bioactive components and physiological growth parameters.. 2022 , 40, 107789	
685	The singular and combined effects of drought and copper stresses on the morphological traits, photosynthetic pigments, essential oils yield and copper concentration of <i>Fumaria parviflora</i> Lam.. 2022 , 177, 114517	1
684	The effect of LEDs on the growth and fatty acid composition of <i>Botryococcus braunii</i> . 2022 , 186, 66-73	

- 683 Comparative effects of polystyrene nanoplastics with different surface charge on seedling establishment of Chinese cabbage (*Brassica rapa* L.).. **2021**, 292, 133403 1
- 682 Combined effects of marine heatwaves and reduced light on the physiology and growth of the surfgrass *Phyllospadix torreyi* from Baja California, Mexico. **2022**, 178, 103488 1
- 681 High sensitivity and wide range chlorophyll-a determination by simultaneous measurement of absorbance and fluorescence using a linear CCD.. **2021**, 270, 120831 1
- 680 Salicylate and glutamate mediate different Cd accumulation and tolerance between *Brassica napus* and *B. juncea*.. **2021**, 133466 1
- 679 THE IMPACT OF PLANT MATERIAL FREEZING AND EXTRACTANT ACIDIFYING ON THE ANTIOXIDANT POTENTIAL AND PIGMENTS CONTENT IN EXTRACTS AND RAW MATERIALS OF DIFFERENT CARROT VARIETIES. **2021**, 20, 33-42 1
- 678 Profiling Patterns of Volatile Organic Compounds in Intact, Senescent, and Litter Red Pine (*Pinus densiflora* Sieb. et Zucc.) Needles in Winter. **2020**, 48, 591-607 1
- 677 Prohexadione-Calcium Uygulanmasıyar Fiderlerine Dikim İncisi Gibberellik Asit Uygulamalarının Bitki Gelişimi Üzerine Etkileri.
- 676 Bio-energy characteristics of black pine (*Pinus nigra* Arn.) hydrodistillation waste products.
- 675 Supplementary Far-Red and Blue Lights Influence the Biomass and Phytochemical Profiles of Two Lettuce Cultivars in Plant Factory. **2021**, 26, 2
- 674 Carbon nanotubes in the holding solution stimulate flower opening and prolong vase life in carnation. **2022**, 9, 7
- 673 Molecular and Photosynthetic Performance in the Yellow Leaf Mutant of According to Transcriptome Sequencing, Chlorophyll Fluorescence, and Modulated 820 nm Reflection.. **2022**, 11, 0
- 672 Shade Avoidance 3 Mediates Crosstalk Between Shade and Nitrogen in Arabidopsis Leaf Development.. **2021**, 12, 800913 0
- 671 Biochemical Composition and Antioxidant Activity of Different Types of Tomatoes Affected by Ethylene Treatment. 8-15
- 670 Maintenance shelf-life quality of cocktail tomatoes by using UV-C illumination and Arabic gum coating.. **2021**,
- 669 Antioxidant molecule useful in the stabilization of nanoparticles in water suspension. 1-15
- 668 CuO nanoparticles modify bioaccumulation of perfluorooctanoic acid in radish (*Raphanus sativus* L.). **2022**, 34, 34-41 1
- 667 Exogenous melatonin improves cadmium tolerance in *L.* without affecting its remediation potential.. **2022**, 1-8 0
- 666 Assimilatory deficit and energy regulation in young *Handroanthus chrysotrichus* plants under flooding stress.. **2022**, 135, 323 1

665	Phenotypic plasticity and exotic plant invasions: effects of soil nutrients, species nutrient requirements and types of traits.. 2022 , e13637	0
664	Differential physiological response to heat and cold stress of tomato plants and its implication on fruit quality.. 2022 , 268, 153581	2
663	Melatonin improves the photosynthesis in <i>Dracocephalum kotschy</i> under salinity stress in a Ca ²⁺ /CaM-dependent manner. 2021 ,	2
662	Responses of nitrogen accumulation and translocation in five cytoplasmic hybrid rice cultivars. 2022 , 68, 73-81	0
661	Regulation Mechanism of Exogenous Brassinolide on Bulbil Formation and Development in .. 2021 , 12, 809769	
660	The Role of Photosynthetic Daily Light Integral in Plant Response to Extended Photoperiods. 2022 , 69, 1	2
659	GABA-mediated inhibition of cadmium uptake and accumulation in apples.. 2022 , 118867	1
658	Ethanol Treatment Enhances Physiological and Biochemical Responses to Mitigate Saline Toxicity in Soybean.. 2022 , 11,	1
657	Physiological and Biochemical Responses to Water Stress and Salinity of the Invasive Moth Plant, <i>Araujia sericifera</i> Brot., during Seed Germination and Vegetative Growth. 2022 , 12, 361	1
656	Extraction and Quantification of Chlorophylls, Carotenoids, Phenolic Compounds, and Vitamins from Halophyte Biomasses. 2022 , 12, 840	2
655	Instant controlled pressure drop (DIC) effect on compositional analysis of olive leaves (<i>Olea europaea</i> L.). 2022 , 16, 1494	1
654	Heterotrimeric G protein β subunit (GPA1) regulates the response to low-nitrogen stress in <i>Arabidopsis</i> by interacting with AtNRT1.4 and AtATG8a.	
653	Production, Optimization, Characterization and Drought Stress Resistance by β -Glucan-Rich Heteropolysaccharide From an Endophytic Fungi <i>Colletotrichum alatae</i> LCS1 Isolated From Clubmoss (<i>Lycopodium clavatum</i>). 2022 , 2,	1
652	Fabrication of slippery lubricant-infused porous surface for inhibition of microorganism adhesion on the porcelain surface. 2022 ,	1
651	Changes in crassulacean acid metabolism expression, chloroplast ultrastructure, photochemical and antioxidant activity in the <i>Aloe vera</i> during acclimation to combined drought and salt stress. 2021 ,	0
650	Light Intensity: The Role Player in Cucumber Response to Cold Stress. 2022 , 12, 201	4
649	Exposed red leaves display adaptive adjustments in chlorophyll and photosystem ratios compatible with the shade imposed by anthocyanin accumulation.	0
648	Plastoquinone homeostasis in plant acclimation to light intensity.. 2022 , 1	0

- 647 Salicylic-Acid-Regulated Antioxidant Capacity Contributes to Growth Improvement of Okra (*Abelmoschus esculentus* cv. Red Balady). **2022**, 12, 168 1
- 646 Biochemical Characterization, Antifungal Activity, and Relative Gene Expression of Two Essential Oils Controlling , the Causal Agent of Root Rot.. **2022**, 11, 1
- 645 Comparative Physiological and Metabolomic Analyses Reveal the Different Biological Characteristics between Two Tea Cultivars. **2022**, 69, 1
- 644 CfAPX, a cytosolic ascorbate peroxidase gene from *Cryptomeria fortunei*, confers tolerance to abiotic stress in transgenic *Arabidopsis*.. **2022**, 172, 167-179 0
- 643 Post-Harvest Quality Evaluation of "Soreli" Kiwifruit at Two Ripening °Brix Values from Vineyards of Different Age Under Hail Nets.. **2022**, 11, 0
- 642 Photosynthesis, competition, and wastewater treatment characteristics of the microalga *Monoraphidium* sp. Dek19 at cool temperatures. **2022**, 62, 102624 0
- 641 Integrated morphological, physiological and omics analyses reveal the arylalkylamine N-acetyltransferase (AANAT) gene contributing to growth, flowering and defence in switchgrass (*Panicum virgatum* L.).. **2022**, 316, 111165 0
- 640 Integrated assessment of phytotoxicity, stress responses, and bioaccumulative mechanisms of the arsenic-contaminated agricultural runoff using a soilless cultivation system. **2022**, 159, 266-280 0
- 639 Bacterial inoculant-assisted phytoremediation affects trace element uptake and metabolite content in *Salix atrocinerea*.. **2022**, 820, 153088 0
- 638 The role of NADPH oxidases in regulating leaf gas exchange and ion homeostasis in *Arabidopsis* plants under cadmium stress.. **2022**, 429, 128217 1
- 637 Physiological mechanisms and adaptation strategies of *Lactuca sativa* L. in response to *Olea europaea* L. and *Ficus carica* L. allelochemicals. **2022**, 147, 106-118 1
- 636 Nano-sized polystyrene plastics toxicity to microalgae *Chlorella vulgaris*: Toxicity mitigation using humic acid.. **2022**, 245, 106123 3
- 635 Biocontrol of *Fusarium* root rot in squash using mycorrhizal fungi and antagonistic microorganisms. **2022**, 32, 0
- 634 Ecophysiological features of *Larix sibirica* in urban ecosystems of the Kola north in the railway influence zone. **2022**, 11, 305-317 0
- 633 Tomato methionine sulfoxide reductase B2 functions in drought tolerance by promoting ROS scavenging and chlorophyll accumulation through interaction with Catalase 2 and RBCS3B.. **2022**, 318, 111206 1
- 632 Exogenous Application of L-Arginine Improves Protein Content and Increases Yield of *Pereskia aculeata* Mill. Grown in Soilless Media Container. **2022**, 8, 142 1
- 631 Salicylic Acid Induces Vanadium Stress Tolerance in Rice by Regulating the AsA-GSH Cycle and Glyoxalase System. 1 0
- 630 Combining Hyperspectral Reflectance Indices and Multivariate Analysis to Estimate Different Units of Chlorophyll Content of Spring Wheat under Salinity Conditions.. **2022**, 11, 1

629	Estimating the Horizontal and Vertical Distributions of Pigments in Canopies of Ginkgo Plantation Based on UAV-Borne LiDAR, Hyperspectral Data by Coupling PROSAIL Model. 2022 , 14, 715	1
628	Ginger Extract and Fulvic Acid Foliar Applications as Novel Practical Approaches to Improve the Growth and Productivity of Damask Rose.. 2022 , 11,	3
627	Exogenous spermidine improves the sucrose metabolism of lettuce to resist high-temperature stress. 2022 , 96, 497	1
626	Cytokinin and gibberellic acid-mediated waterlogging tolerance of mungbean (L. Wilczek).. 2022 , 10, e12862	1
625	Simultaneous accumulation of astaxanthin and β -carotene in <i>Chlamydomonas reinhardtii</i> by the introduction of foreign β -carotene hydroxylase gene in response to high light stress.. 2022 , 44, 321	1
624	Glycinebetaine mitigates tomato chilling stress by maintaining high-cyclic electron flow rate of photosystem I and stability of photosystem II.. 2022 , 1	0
623	Assessment of the impact of irrigation with treated wastewater at different dilutions on growth, quality parameters and contamination transfer in strawberry fruits and soil: Health risk assessment. 2022 , 297, 110942	0
622	Net photosynthesis acclimates to low growth temperature in cotton seedlings by shifting temperature thresholds for photosynthetic component processes and respiration. 2022 , 196, 104816	1
621	Pilot Cultivation of the Local Endemic Cretan Marjoram <i>Origanum microphyllum</i> (Benth.) Vogel (Lamiaceae): Effect of Fertilizers on Growth and Herbal Quality Features. 2022 , 12, 94	7
620	Vanadium Toxicity Induced Changes in Growth, Antioxidant Profiling, and Vanadium Uptake in Pepper (<i>Capsicum annum</i> L.) Seedlings. 2022 , 8, 28	3
619	Evaluation of Cadmium Bioaccumulation-Related Physiological Effects in : An Insight towards Its Use as Pollutant Bioindicator in Water Reservoirs.. 2021 , 10,	0
618	BIOCHEMICAL COMPOUNDS FROM APRICOT LEAVES INVOLVED IN RESISTANCE TO MONILINIA SPP.. 2021 , 14, 94-99	
617	Screening of wild strawberry germplasm for iron-deficiency tolerance under hydroponic conditions.	1
616	Scion Traits Related to Nutrient Distribution, Hormone Status, and Antioxidative Stress Tolerance Affect Rootstock Activity in Apple.	
615	Cultivation of <i>Arthrospira platensis</i> in heterotrophic and mixotrophic conditions with different concentrations of whey. 2022 , 5, 146-153	0
614	Physiological and Metabolic Responses to Aluminum Toxicity Reveal Differing Resistance Mechanisms at Long-Term Exposure in Highbush Blueberry Cultivars.	
613	Biochar, slag and ferrous manganese ore affect lead, cadmium and antioxidant enzymes in water spinach (<i>Ipomoea aquatica</i>) grown in multi-metal contaminated soil. 2022 ,	1
612	Enhanced Growth and Overcoming Abnormal Phenomena in Micropropagation by Nanoparticles. 2022 , 303-325	

611	Quantitative evaluation of silicon applications on wheat response to salinity: changes in photosynthetic pigments, chlorophyll fluorescence parameters, yield and yield components. 2022 ,	0
610	In Vitro Growth and Development of Plants Under Stimulated Microgravity Condition. 2022 , 343-381	0
609	Microponic Culture System in the Propagation of Some Plants. 2022 , 207-229	
608	Uptake of a plasticizer (di-n-butyl phthalate) impacts the biochemical and physiological responses of barley.. 2022 , 10, e12859	0
607	Management of root-knot nematode infection by using fly ash and <i>Trichoderma harzianum</i> in <i>Capsicum annum</i> plants by modulating growth, yield, photosynthetic pigments, biochemical substances, and secondary metabolite profiles. 2022 , 50, 12591	1
606	Impact of Two Strains of on the Adaptation to Terminal Water Deficit of Two Cultivars .. 2022 , 11,	0
605	Salt Stress Induced Changes in Photosynthesis and Metabolic Profiles of One Tolerant ('Bonica') and One Sensitive ('Black Beauty') Eggplant Cultivars (L).. 2022 , 11,	3
604	Alanya Ekolojik Koşullarında Yetiilen <i>Cistus creticus</i> L. Bitkisinin Taze ve Kuru Yaprak Çeklerinde Bazı Biyoaktif Bileşenlerin, Pigment ve Antioksidan Kapasitenin Belirlenmesi.	
603	Electrochemically Driven Photosynthetic Electron Transport in Cyanobacteria Lacking Photosystem II.. 2022 ,	4
602	High-light-inducible proteins HliA and HliB: pigment binding and protein-protein interactions.. 2022 , 1	2
601	Evaluation of Exogenous Salicylic Acid Application on White Mould Disease and Photosynthetic Pigments in Lettuce.	0
600	Maternal salinity influences anatomical parameters, pectin content, biochemical and genetic modifications of two <i>Salicornia europaea</i> populations under salt stress.. 2022 , 12, 2968	0
599	Effect of Pb-Contaminated Water on (Guill. & Perr.) P.H. Raven Physiology and Phytoremediation Performance.. 2022 , 11,	1
598	Effect of N on Growth, Antioxidant Capacity, and Chlorophyll Content of Sorghum. 2022 , 12, 501	0
597	Alleviating the adverse effects of salinity and alkalinity stresses on some physiological traits by selenium and silicon foliar applications on cucumber (<i>Cucumis sativus</i> L.) plants. 1-18	0
596	Genetic and seasonal variability of bioactive polyphenolic compounds and antioxidant-based phytonutrient promise of diverse vegetable amaranths of Indo-Gangetic plains of West Bengal. 2022 , 2, 116-130	
595	Evaluation of the Air Pollution Tolerance Index of 12 Plant Species Growing in Environments with Different Air Pollution Levels. 2022 , 25, 23-31	0
594	Exogenous application of spermidine mitigates the adverse effects of drought stress in faba bean (<i>Vicia faba</i> L.).. 2022 ,	1

- 593 Chlorophyll measurements in *Alstroemeria* sp. using SPAD-502 meter and the color space CIE $L^*a^*b^*$, and its validation in foliar senescence.
- 592 Prospects for the Use of *Echinochloa frumentacea* for Phytoremediation of Soils with Multielement Anomalies. **2022**, 6, 27 0
- 591 Ethanol Positively Modulates Photosynthetic Traits, Antioxidant Defense and Osmoprotectant Levels to Enhance Drought Acclimatization in Soybean.. **2022**, 11, 1
- 590 Dynamic changes of growth and physiological parameters of *Spirulina* cultivated outdoors—case study in *Spirulina* Industrial Park in Inner Mongolia, China. 1 0
- 589 Two Triacylglycerol Lipases Are Negative Regulators of Chilling Stress Tolerance in *Arabidopsis*.. **2022**, 23, 0
- 588 Ascorbic acid as alternative treatment for sulfur dioxide to control rot incidence and keeping the quality of "lame Seedless" grapes during short supply chain. **2022**, 379-386
- 587 The effect of trait-based diversity on productivity results mainly from intraspecific trait variability in the macrophyte community. 0
- 586 Exogenous Melatonin Alleviates Alkaline Stress by Removing Reactive Oxygen Species and Promoting Antioxidant Defence in Rice Seedlings.. **2022**, 13, 849553 1
- 585 Slaked lime improves growth, antioxidant capacity and reduces Cd accumulation of peanut (*Arachis hypogaea* L.) under Cd stress.. **2022**, 12, 4388 1
- 584 Glycogen, poly(3-hydroxybutyrate) and pigment accumulation in three *Synechocystis* strains when exposed to a stepwise increasing salt stress. 1
- 583 Alpha Lipoic Acid as a Protective Mediator for Regulating the Defensive Responses of Wheat Plants against Sodic Alkaline Stress: Physiological, Biochemical and Molecular Aspects.. **2022**, 11, 2
- 582 Effect of the Application of Foliar Jasmonic Acid and Drought Stress on Grain Yield and Some Physiological and Biochemical Characteristics of *Chenopodium quinoa* Cultivars. 171-180
- 581 Improvement of Phytopharmaceutical and Alkaloid Production in Periwinkle Plants by Endophyte and Abiotic Elicitors. **2022**, 8, 237 0
- 580 Effect of nano zinc oxide, nano zinc chelate and zinc sulfate on vineyard soil Zn- availability and grapevines (*Vitis vinifera* L.) yield and quality. 1-16
- 579 Responses of woody plant *Dalbergia odorifera* treated with glycine betaine to drought and cold stresses: involvement of the alternative oxidase. 66, 56-66 0
- 578 Non-rolling flag leaves use an effective mechanism to reduce water loss and light induced damage under drought stress.. **2022**, 1
- 577 Melatonin application on phytochemical compositions of *Agastache foeniculum* under water-deficit stress. **2021**, 1,
- 576 Expression profiling of rosmarinic acid biosynthetic genes and some physiological responses from *L.* under salinity and heat stress.. **2022**, 28, 545-557 1

575	Response of in vitro cultivated highbush blueberry (<i>Vaccinium corymbosum</i> L.) to different LED lighting. 2022 , 17-24	
574	Assessing the utility of selected photosynthetic and related traits in screening <i>Amaranthus dubius</i> Mart. ex Thell. and <i>Galinsoga parviflora</i> Cav. 1796 seedlings for elevated temperature stress tolerance. 2022 ,	0
573	Comparative efficacy of bio-selenium nanoparticles and sodium selenite on morpho-physiochemical attributes under normal and salt stress conditions, besides selenium detoxification pathways in <i>Brassica napus</i> L.. 2022 , 20, 163	3
572	Effects of selenomethionine on the antioxidative enzymes, water physiology and fruit quality of strawberry plants under drought stress'. 2022 , 49, 10-18	
571	Essential Oils Prime Epigenetic and Metabolomic Changes in Tomato Defense Against .. 2022 , 13, 804104	0
570	High-light inhibition of two submerged macrophytes in a shallow water experiment.. 2022 , 14, plac009	1
569	Application of a Biostimulant (Pepton) Based in Enzymatic Hydrolyzed Animal Protein Combined With Low Nitrogen Priming Boosts Fruit Production Without Negatively Affecting Quality in Greenhouse-Grown Tomatoes.. 2022 , 13, 828267	1
568	Sustainable Biochar and/or Melatonin Improve Salinity Tolerance in Borage Plants by Modulating Osmotic Adjustment, Antioxidants, and Ion Homeostasis.. 2022 , 11,	5
567	Effect of light quality on morphological characteristics and phytochemicals of green lettuce before transplanting. 2022 , 355-360	
566	Effect of LED lighting on the growth of micropropagated pear plantlets (<i>Pyrus communis</i> L. OHF 333). 2022 , 9-16	
565	Transcriptional Activation of Glutamate Decarboxylase and F-Box DUF Protein-Encoding Genes Promote Enhanced Abiotic Stress Tolerance and Improved Agronomic Traits in Indica Rice. 1	
564	Arbuscular Mycorrhizal Fungi and Dry Raw Garlic Stalk Amendment Alleviate Continuous Monocropping Growth and Photosynthetic Declines in Eggplant by Bolstering Its Antioxidant System and Accumulation of Osmolytes and Secondary Metabolites.. 2022 , 13, 849521	1
563	Assessment of Salinity Tolerance Deploying Antioxidant Defense Systems in <i>Gerbera Jamesonii</i> . 2022 , 19, 243-254	1
562	Shade induces contrasting light photosynthetic performance between Signal and Guinea Grasses. 44, e53561	
561	A novel salt-tolerant strain <i>Trichoderma atroviride</i> HN082102.1 isolated from marine habitat alleviates salt stress and diminishes cucumber root rot caused by <i>Fusarium oxysporum</i> .. 2022 , 22, 67	0
560	Effects of Biochar on the Growth, Ginsenoside Content, and Soil Microbial Community Composition of <i>Panax quinquefolium</i> L. 1	0
559	Olive oil by-product's contribution to the recovery of phenolic compounds from microalgal biomass: biochemical characterization, anti-melanogenesis potential, and neuroprotective effect. 1	
558	Metabolomic Profiling of during Different Stages of Fruit Development.. 2022 , 11,	1

557	Melatonin Mediated Differential Regulation of Drought Tolerance in Sensitive and Tolerant Varieties of Upland Cotton (.. 2022 , 13, 821353	0
556	Sorting biotic and abiotic stresses on wild rocket by leaf-image hyperspectral data mining with an artificial intelligence model.. 2022 , 18, 45	1
555	The potential contribution of the WRKY53 transcription factor, gamma-aminobutyric acid (GABA) transaminase, and histone deacetylase in regulating growth, organogenesis, photosynthesis, and transcriptional responses of tomato to different light-emitting diodes (LEDs).. 2022 , 229, 112413	0
554	An unexpected guest: a green microalga associated with the arsenic-tolerant shrub <i>Acacia farnesiana</i> .. 2022 ,	1
553	Responses to defoliation of <i>Robinia pseudoacacia</i> L. and <i>Sophora japonica</i> L. are soil water condition dependent. 2022 , 79,	0
552	Allelopathic inhibition of the extracts of on .. 2022 , 17, 2058256	0
551	Screening of rice cultivars for Cr-stress response by using the parameters of seed germination, morpho-physiological and antioxidant analysis. 2022 , 29, 3918-3928	0
550	Comprehensive analysis of NAC transcription factors and their expressions during taproot coloration in radish (<i>Raphanus sativus</i> L.). 2022 , 299, 111047	0
549	From ex situ cultivation to stands in natural habitats: Critical periods for plants during the reintroduction of <i>Salix lapponum</i> L. in Eastern Poland. 2022 , 67, 126172	2
548	Effects of fruit load on photosynthetic characteristics of peach leaves and fruit quality. 2022 , 299, 110977	0
547	Zero valent iron nanoparticles and organic fertilizer assisted phytoremediation in a mining soil: Arsenic and mercury accumulation and effects on the antioxidative system of <i>Medicago sativa</i> L.. 2022 , 433, 128748	2
546	Comparative study of micropropagated plants of Grand Naine banana during in vitro regeneration and ex vitro acclimatization. 2022 , 42, 102325	0
545	Effects of Melatonin on <i>Morus nigra</i> cv. 'EkūKara' Exposed to Drought Stress.	
544	Severe leaf-vein infestation upregulates antioxidant and photosynthetic activities in the lamina of <i>Ficus religiosa</i> . 2022 , 44, 1	1
543	PHYSIOLOGICAL AND BIOCHEMICAL RESPONSES OF CHICKPEA GENOTYPES TO DIFFERENT MOISTURE STRESS IN BANGLADESH.	
542	Successional and Intraspecific Variations in Leaf Traits, Spectral Reflectance Indices and Herbivory in a Brazilian Tropical Dry Forest. 2021 , 4,	
541	Comparative Anatomical, Micromorphological, Karyological and Biochemical study of <i>Scutellaria orientalis</i> subsp. <i>virens</i> and <i>Scutellaria salviifolia</i> .	
540	6-Benzylaminopurine Alleviates the Impact of Cu Toxicity on Photosynthetic Performance of L. Seedlings.. 2021 , 22,	0

- 539 Cold Acclimation Affects Physiological and Biochemical Characteristics of *Betula platyphylla* S. under Freezing Stress. **2021**, 12, 1777 1
- 538 Plant growth promoting rhizobacteria improve growth and yield related attributes of chili under low nitrogen availability.. **2021**, 16, e0261468 1
- 537 The Effects of Fig Tree (*Ficus carica* L.) Leaf Aqueous Extract on Seed Germination and Seedling Growth of Three Medicinal Plants. **2021**, 11, 2564 0
- 536 Transcriptome Analysis Reveals Genes Respond to Chlorophyll Deficiency in Green and Yellow Leaves of *Chrysanthemum morifolium* Ramat. **2022**, 8, 14 0
- 535 Mitigating the Negative Effect of Drought Stress in Oat (*L.*) with Silicon and Sulphur Foliar Fertilization.. **2021**, 11, 4
- 534 A Dual Role for Abscisic Acid Integrating the Cold Stress Response at the Whole-Plant Level in *L.* Growing in a Natural Wetland.. **2021**, 12, 722525 1
- 533 Enhanced Carotene and Biomass Production by Induced Mixotrophy in across a Combined Strategy of Glycerol, Salinity, and Light.. **2021**, 11, 1
- 532 Antioxidative Effect of Sage (*L.*) Macerate as "Green Extract" in Inhibiting the Oxidation of Fish Oil.. **2021**, 11, 0
- 531 Roles of a Cysteine Desulphhydrase LCD1 in Regulating Leaf Senescence in Tomato. **2021**, 22, 2
- 530 Submerged macrophytes benefit from lanthanum modified bentonite treatment under juvenile omni-benthivorous fish disturbance: Implications for shallow lake restoration. **2022**, 67, 672-683 3
- 529 Influence of triacontanol and salt stress on the growth and metabolism of spinach. **2021**, 13, 65-76 1
- 528 Colchicine Induced Mutation in *Nigella sativa* Plant for the Assessment of Morpho-Physiological and Biochemical Parameter Vis-A-Vis In Vitro Anti-Inflammatory Activity. **2021**, 15, 173-182 1
- 527 Low Temperature Effect on Different Varieties of *Corchorus capsularis* and *Corchorus olitorius* at Seedling Stage. **2021**, 11, 2547 4
- 526 The effect of cytokinins on shoot proliferation, biochemical changes and genetic stability of *Rhododendron kazimierz Odnowiciel* in the in vitro cultures. 1 2
- 525 A Pivotal Role of Chitosan Nanoparticles in Enhancing the Essential Oil Productivity and Antioxidant Capacity in *Matricaria chamomilla* L.. **2021**, 7, 574 1
- 524 Salicylic acid as alternative treatment for sulfur dioxide to control rot incidence and improve the quality of cold stored flame Seedless grapes. **2022**, 371-378
- 523 Contribution of *Funneliformis mosseae* symbiosis to the regulation of sulfur assimilation, glyoxalase system and ionic homeostasis in *Aloisia citriodora* Palau under cadmium toxicity. 1
- 522 Physiological and Molecular Responses of to Rust Infection.. **2022**, 23,

521	Changes in primary metabolites and volatile organic compounds in cotton seedling leaves exposed to silver ions and silver nanoparticles revealed by metabolomic analysis.. 2022 , 10, e13336	
520	The coordinated alterations in antioxidative enzymes, PeCu/ZnSOD and PeAPX2 expression facilitated in vitro <i>Populus euphratica</i> resistance to salinity stress. 1	
519	Expression profiling of stress protectants in <i>Zea mays</i> L. plants treated with <i>Bacillus pumilus</i> : surfactant-producing bioeffector. 1	
518	L. Functional Traits Indicate Its Optimum Growth.. 2022 , 11,	1
517	Exogenous application of melatonin improves salt tolerance of sugar beet (<i>Beta vulgaris</i> L.) seedlings. 2022 , 44, 1	1
516	Comparative analysis of photoprotection mediated by photosynthetic pigments during summer midday heat stress in rice and wheat.	0
515	Melatonin Alleviates Copper Toxicity via Improving ROS Metabolism and Antioxidant Defense Response in Tomato Seedlings.. 2022 , 11,	2
514	Recovery from Salinity and Drought Stress in the Perennial vs. the Annual and .. 2022 , 11,	1
513	The Effect of Variable Light Source and Light Intensity on the Growth of Three Algal Species.. 2022 , 11,	0
512	Thidiazuron Induced In Vitro Clonal Propagation of <i>Lagerstroemia speciosa</i> (L.) Pers.âAn Important Avenue Tree. 2022 , 8, 359	1
511	Photorespiration is essential for acclimation to salt stress under high carbon availability in <i>Chlamydomonas</i> . 2022 , 64, 102687	0
510	Stimulation versus inhibition: The effect of microplastics on pak choi growth. 2022 , 177, 104505	0
509	Table_1.DOCX. 2018 ,	
508	Image_1.JPEG. 2020 ,	
507	Image_2.JPEG. 2020 ,	
506	Table_1.DOCX. 2020 ,	
505	Table_2.DOCX. 2020 ,	
504	Image_1.JPEG. 2018 ,	

503 Table_1.doc. **2018**,

502 Data_Sheet_1.docx. **2018**,

501 Image_1.TIF. **2019**,

500 Data_Sheet_1.docx. **2019**,

499 Table_1.XLSX. **2018**,

498 Table_2.DOCX. **2018**,

497 Table_3.XLSX. **2018**,

496 Table_4.XLSX. **2018**,

495 Table_5.DOCX. **2018**,

494 Table_1.DOCX. **2018**,

493 Table_1.pdf. **2019**,

492 DataSheet_1.xlsx. **2020**,

491 Image_1.pdf. **2020**,

490 DataSheet_1.docx. **2019**,

489 DataSheet_1.zip. **2020**,

488 DataSheet_1.pdf. **2020**,

487 DataSheet_2.pdf. **2020**,

486 DataSheet1.PDF. **2017**,

485 Table1.XLSX. 2017,

484 Table2.XLSX. 2017,

483 Table3.XLSX. 2017,

482 Table4.XLSX. 2017,

481 Table5.XLSX. 2017,

480 Table6.XLSX. 2017,

479 Table7.XLSX. 2017,

478 Table8.XLSX. 2017,

477 Table9.XLSX. 2017,

476 DataSheet_1.xlsx. 2019,

475 Image_1.png. 2019,

474 Image_2.jpeg. 2019,

473 Image_3.jpeg. 2019,

472 Image_4.jpeg. 2019,

471 Image_5.jpeg. 2019,

470 Image_6.jpeg. 2019,

469 Image_7.jpeg. 2019,

468 Table_1.pdf. 2019,

467 Presentation_1.pdf. **2020**,

466 Image_1.pdf. **2019**,

465 Image_2.pdf. **2019**,

464 Image_3.pdf. **2019**,

463 DataSheet_1.docx. **2019**,

462 Morpho-Physiological and Proteomic Response of Bt-Cotton and Non-Bt Cotton to Drought Stress. **2021**, 12, 663576 2

461 Physiological Aspects of Germination and Early Seedling Establishment of Glyceraldehyde-3-Phosphate Dehydrogenase Expressing Transgenic Rice in Saline Environment.. **2021**, 12, 767826

460 Individual and Combined Effects of Microplastics and Oxytetracycline on Cherry Radish.

459 The effect of ozonated water on changes in the quality of blanched edamame during cold storage. 25,

458 High-Value Compound Induction by Flashing Light in *Diacronema Lutheri* and *Tetraselmis Striata* Ctp4.

457 Lability of chlorophylls in solvent. 0

456 Molecular Effects of Biogenic Zinc Nanoparticles on the Growth and Development of *L. Revealed* by Proteomics and Transcriptomics.. **2022**, 13, 798751 0

455 Constitutive and Adaptive Traits of Environmental Stress Tolerance in the Threatened Halophyte *Erben* (Plumbaginaceae).. **2022**, 11, 0

454 Phytonutrient Composition of Two Phenotypes of *Physalis alkekengi* L. Fruit. **2022**, 8, 373 0

453 The Effect of Different Tillage Methods and Nitrogen Chemical Fertilizer on Quantitative and Qualitative Characteristics of Corn.. **2022**, 2022, 7550079

452 Melatonin Mitigates Drought Induced Oxidative Stress in Potato Plants through Modulation of Osmolytes, Sugar Metabolism, ABA Homeostasis and Antioxidant Enzymes.. **2022**, 11, 2

451 Desiccation Tolerance in *Panc.*: An Integrative Transcriptomic, Proteomic, Metabolite and Photosynthetic Study.. **2022**, 11, 1

450 A Circular Economy Approach to Restoring Soil Substrate Ameliorated by Sewage Sludge with Amendments.. **2022**, 19, 1

449	Joint Effects of Developmental Stage and Water Deficit on Essential Oil Traits (Content, Yield, Composition) and Related Gene Expression: A Case Study in Two <i>Thymus</i> Species. 2022 , 12, 1008	2
448	Effects of Plant-Derived Protein Hydrolysates on Yield, Quality, and Nitrogen Use Efficiency of Greenhouse Grown Lettuce and Tomato. 2022 , 12, 1018	1
447	Responses of butter leaf lettuce to mixed red and blue light with extended light/dark cycle period.. 2022 , 12, 6924	1
446	Response of <i>Phragmites australis</i> to increasing As(V) concentrations: Accumulation and speciation of As, and plant oxidative stress.. 2022 , 302, 134937	0
445	Limitations to photosynthesis in bryophytes: certainties and uncertainties regarding methodology.. 2022 ,	0
444	Integrative Soil Application of Humic Acid and Foliar Plant Growth Stimulants Improves Soil Properties and Wheat Yield and Quality in Nutrient-Poor Sandy Soil of a Semiarid Region.. 2022 , 1-15	0
443	Effects of Stress Modifier Biostimulants on Vegetative Growth, Nutrients, and Antioxidants Contents of Garden Thyme (<i>Thymus vulgaris</i> L.) Under Water Deficit Conditions.	0
442	Multi-omics analysis of xylem sap uncovers dynamic modulation of poplar defenses by ammonium and nitrate.. 2022 ,	2
441	Cultivating vegetables in tailings from the Fundō dam collapse: metal accumulation and risks to food safety.. 2022 , 194, 410	0
440	Influence of the Red LEDs Light Irradiation on the Quality and Chemical Attributes of Postharvest Table Grape (<i>Vitis vinifera</i> L.) During Storage. 1	0
439	Photo-acclimatory thresholds anticipate sudden shifts in seagrass ecosystem state under reduced light conditions.. 2022 , 177, 105636	0
438	Global Transcriptome Analysis Revealed the Molecular Regulation Mechanism of Pigment and Reactive Oxygen Species Metabolism During the Stigma Development of <i>Carya cathayensis</i> . 2022 , 13,	0
437	Ecophysiology and metabolites of biofilm-forming strains of the microalgal genus <i>Jenufa</i> (<i>Chlorophyceae</i>). 1-10	
436	Influence of Organomineral Fertiliser from Sewage Sludge on Soil Microbiome and Physiological Parameters of Maize (<i>Zea mays</i> L.). 2022 , 12, 1114	0
435	Bulked Segregant Analysis-Sequencing identification of candidate genes for salt tolerance at the seedling stage of sorghum (<i>Sorghum bicolor</i>).	
434	Mechanism underlying the carotenoid accumulation in shaded tea leaves.. 2022 , 14, 100323	1
433	Improving astaxanthin production by using multivariate statistical analysis to evaluate green cells of <i>Haematococcus pluvialis</i> . 2022 , 183, 108456	0
432	<i>Bacillus velezensis</i> SX13 promoted cucumber growth and production by accelerating the absorption of nutrients and increasing plant photosynthetic metabolism. 2022 , 301, 111151	0

431	Photosynthetic characteristics combined with metabolomics analysis revealed potential mechanisms of cucumber (<i>Cucumis sativus</i>) yield reduction induced by different phosphorus stresses. 2022 , 302, 111156	1
430	The nutrient, hormone, and antioxidant status of scion affects the rootstock activity in apple. 2022 , 302, 111157	0
429	Alternating red and blue irradiation affects carbohydrate accumulation and sucrose metabolism in butterhead lettuce. 2022 , 302, 111177	0
428	Evaluation of herbicidal properties of Mikania (<i>Mikania Micrantha</i> H.B.K) and rain tree (<i>Samanea Saman</i> Jacq Merr) leaf extract. 2021 , 5, 89	
427	Tetraploidy in Enhances Drought Tolerance Synergistic Regulation of Photosynthesis, Phosphorylation, and Hormonal Changes.. 2022 , 13, 875011	0
426	Responses of purple rice variety to light intensities and soil zinc application on plant growth, yield and bioactive compounds synthesis. 2022 , 103495	0
425	Mutualism Within a Simulated Microgravity Environment - <i>Piriformospora indica</i> Promotes the Growth of <i>Medicago truncatula</i> . 2014 , 2, 21-33	2
424	Physio-anatomical modifications and elemental allocation pattern in <i>Acanthus ilicifolius</i> L. subjected to zinc stress.. 2022 , 17, e0263753	2
423	Gene Co-expression Network and Regression Analysis Identify the Transcriptomic, Physiological, and Biochemical Indicators of the Response of Alpine Woody Plant <i>Rhododendron rex</i> to Drought Stress. 2022 , 13,	
422	Mutation of Protoporphyrinogen IX Oxidase Gene Causes Spotted and Rolled Leaf and Its Overexpression Generates Herbicide Resistance in Rice. 2022 , 23, 5781	0
421	Biochar derived from hazelnut shells mitigates the impact of drought stress on soybean seedlings. 1-19	1
420	A comparative analysis of photosynthetic function and reactive oxygen species metabolism responses in two hibiscus cultivars under saline conditions. 2022 ,	0
419	Growth and physiological responses in a submerged clonal aquatic plant and multiple-endpoint assessment under prolonged exposure to ciprofloxacin. 2022 , 239, 113690	1
418	Short-term N and P additions differentially alter the multiple functional traits and trait associations of a desert ephemeral plant in China. 2022 , 200, 104932	0
417	Effects of glutathione on waterlogging-induced damage in sesame crop. 2022 , 185, 115092	0
416	Physiological Mechanism of Exogenous 5-Aminolevulinic Acid Improved the Tolerance of Chinese Cabbage (<i>Brassica pekinensis</i> L.) to Cadmium Stress. 2022 , 13,	1
415	Water Availability, Soil Characteristics, and Confounding Effects on the Patterns of Biocrust Diversity in the Desert Regions of Northern China. 2022 , 13,	
414	Endophytic Fungi Accelerate Leaf Physiological Activity and Resveratrol Accumulation in <i>Polygonum cuspidatum</i> by Up-Regulating Expression of Associated Genes. 2022 , 12, 1220	0

- 413 Secondary metabolites produced by *Xylaria necrophora* are responsible for foliar symptoms associated with taproot decline of soybean.
- 412 Nickel Toxicity Interferes with NO₃⁻/NH₄⁺ Uptake and Nitrogen Metabolic Enzyme Activity in Rice (*Oryza sativa* L.). **2022**, 11, 1401 0
- 411 Green Light Partial Replacement of Red and Blue Light Improved Drought Tolerance by Regulating Water Use Efficiency in Cucumber Seedlings. **2022**, 13, 0
- 410 Identification and characterization of drought-tolerant local pigmented rice from Indonesia. 1
- 409 Effects of Water Colour on the Pigment Content of a Floating-leaved Macrophyte – Implications of Lake Brownification. **2022**, 103540
- 408 Impact of Cold Stress on Leaf Structure, Photosynthesis, and Metabolites in *Camellia weiningensis* and *C. oleifera* Seedlings. **2022**, 8, 494 0
- 407 Application of response surface methodology (RSM) for optimizing biomass production in *Nannochloropsis oculata* UTEX 2164. 0
- 406 Responses of Different Submerged Macrophytes to the Application of Lanthanum-Modified Bentonite (LMB): A Mesocosm Study. **2022**, 14, 1783
- 405 Enhancing the Phytoremediation of Heavy Metals by Combining Hyperaccumulator and Heavy Metal-Resistant Plant Growth-Promoting Bacteria. **2022**, 13, 1
- 404 Modelling *Nannochloropsis gaditana* Growth in Reactors with Different Geometries, Determination of Kinetic Parameters and Biochemical Analysis in Response to Light Intensity. **2022**, 12, 5776
- 403 Comparison of Growth and Quality between Hydroponically Grown and Soil-Grown Lettuce under the Stress of Microplastics. 0
- 402 Altınapa Baraj Gölü'nden (Konya/ Türkiye) Özole Edilen Bazı Chlorophyta Türlerinin Pigment Özerisi Ve Antioksidan Aktivitelerinin Belirlenmesi.
- 401 Nitric Oxide-Induced Physiochemical Alterations and Gene Expression in Lemon Balm (*Melissa officinalis* L.) Under Water Deficit Stress. 0
- 400 LsNRL4 enhances photosynthesis and decreases leaf angles in lettuce. 0
- 399 Assessment of Uptake, Accumulation and Degradation of Paracetamol in Spinach (*Spinacia oleracea* L.) under Controlled Laboratory Conditions. **2022**, 11, 1626 0
- 398 Morpho-Physiological and Anatomical Alterations of Salt-Affected Thompson Seedless Grapevine (*Vitis vinifera* L.) to Brassinolide Spraying. **2022**, 8, 568 0
- 397 Fluoride mitigates aluminum-toxicity in barley: morpho-physiological responses and biochemical mechanisms. **2022**, 22, 1
- 396 Effects of Four-Week Exposure to Salt Treatments on Germination and Growth of Two *Amaranthus* Species. **2022**, 6, 57 0

- 395 The Role of Salicylic Acid in Mitigating the Adverse Effects of Chilling Stress on "Beddik" Mango Transplants. **2022**, 12, 1369 1
- 394 Drying Microalgae Using an Industrial Solar Dryer: A Biomass Quality Assessment. **2022**, 11, 1873 0
- 393 Morpho-Metric and Specialized Metabolites Modulation of Parsley Microgreens through Selective LED Wavebands. **2022**, 12, 1502 0
- 392 Targeted analysis of sea buckthorn oil extracted by accelerated solvent extraction technique using green and conventional solvents. **2022**, 164, 113643 0
- 391 Assessing photosynthesis in plant systems: A cornerstone to aid in the selection of resistant and productive crops. **2022**, 201, 104950 0
- 390 Effect of end-of production continuous lighting on yield and nutritional value of Brassicaceae microgreens. **2022**, 48, 02005 0
- 389 Increase in the active ingredients of traditional Chinese medicine *Isatis indigotica* through iron nanoparticles supplementation versus carbon nanotubes: a comparative study. 0
- 388 Nutrient requirements of paric (Schizolobium parahyba var. amazonicum): optimizing seedling quality for reforestation programs. **2022**, 52, 96-103 0
- 387 Comparative Genomics of Three *Aspergillus* Strains Reveals Insights into Endophytic Lifestyle and Endophyte-Induced Plant Growth Promotion. **2022**, 8, 690 0
- 386 The endophyte *Stenotrophomonas maltophilia* EPS modulates endogenous antioxidant defense in safflower (*Carthamus tinctorius* L.) under cadmium stress. **2022**, 204, 0
- 385 Phytoremediation of chromium, iron and nickel by Indian Rice Plant (*Oryza sativa* L.): An opportunity for management of multi-metal contaminated tannery wastewater. **2022**, 10, 511-523 0
- 384 Biochemical and physiological response of borage to seed priming and water deficit: antioxidant enzymes, osmolytes, photosynthetic pigments, and fluorescence parameters. **2022**, 20, e0804 0
- 383 Exogenous Application of Methyl Jasmonate at the Booting Stage Improves Rice's Heat Tolerance by Enhancing Antioxidant and Photosynthetic Activities. **2022**, 12, 1573 0
- 382 Comparative Physiological and Transcriptomic Analyses Reveal Mechanisms of Exogenous Spermidine-Induced Tolerance to Low-Iron Stress in *Solanum lycopersicum* L. **2022**, 11, 1260 1
- 381 Low and high storage temperature inhibited the coloration of mandarin fruit (*Citrus unshiu* Marc.) with different mechanism. 0
- 380 Arbuscular Mycorrhizal Fungi Improve Growth, Photosynthetic Activity, and Chlorophyll Fluorescence of *Vitis vinifera* L. cv. Ecolly under Drought Stress. **2022**, 12, 1563 1
- 379 Impacts of perfluorooctanesulfonic acid on plant biometrics and grain metabolomics of wheat (*Triticum aestivum* L.). **2022**, 100131 0
- 378 PscCYP716A1-Mediated Brassinolide Biosynthesis Increases Cadmium Tolerance and Enrichment in Poplar. 13, 0

- 377 Effects of extraction methods for a new source of biostimulant from *Sargassum horneri* on the growth of economically important red algae, *Neopyropia yezoensis*. **2022**, 12, 2
- 376 Photosynthetic properties of the mid-vein and leaf lamina of field-grown, high-yield hybrid rice during senescence. **2022**, 21, 1913-1926
- 375 Microbial inoculants with inorganic fertilizers slacken the chlorosis impact on Kalmegh [*Andrographis paniculata* (Burm. F.) Wall ex., Nees] improve yields and quality traits. **2022**,
- 374 Micropropagation de *Atropa belladonna* et de *Mandragora officinarum*: Évaluation du développement sur différents milieux de culture et analyse de quelques marqueurs biologiques. **2021**,
- 373 Biochemical and Physiological Response of Marigold (*Tagetes Erecta* L.) to Foliar Application of Salicylic Acid and Potassium Humate in Different Soil Growth Media. 1
- 372 Morphological, Molecular, and Biochemical Characterization of a Unique Lentil (*Lens culinaris* Medik.) Genotype Showing Seed-Coat Color Anomalies Due to Altered Anthocyanin Pathway. **2022**, 11, 1815 1
- 371 Antioxidant Capacity of *Salix alba* (Fam. Salicaceae) and Influence of Heavy Metal Accumulation. **2022**, 8, 642 1
- 370 Assessing Silicon-Mediated Growth Performances in Contrasting Rice Cultivars under Salt Stress. **2022**, 11, 1831 0
- 369 Physiological and Biochemical Responses of Pepper (*Capsicum annum* L.) Seedlings to Nickel Toxicity. 13, 0
- 368 Overexpression of MdMIPS1 enhances drought tolerance and water-use efficiency in apple. **2022**, 21, 1968-1981 0
- 367 Boosting β -carotene and storage materials productivities by two-stage mixed and monochromatic exposure stresses on *Dunaliella salina*. 1-12
- 366 Nutrient Constituents, Bioactive Phytochemicals, and Antioxidant Properties of Service Tree (*Sorbus domestica* L.) Fruits. **2022**, 11, 1832 1
- 365 Hydrogen Sulfide Mitigates Chilling Injury of Postharvest Banana Fruits by Regulating β -Aminobutyric Acid Shunt Pathway and Ascorbate-Glutathione Cycle. 13, 0
- 364 High-value compound induction by flashing light in *Diacronema lutheri* and *Tetraselmis striata* CTP4. **2022**, 101158 1
- 363 Light availability modulates the responses of the microalgae *Desmodesmus* sp. to micron-sized polyvinyl chloride microplastics. **2022**, 249, 106234 0
- 362 Effect of exogenous jasmonic acid on physiology and steroidal saponin accumulation in *Dioscorea zingiberensis*. **2022**, 186, 1-10 0
- 361 Toxic mechanism of two cyanobacterial volatiles β -cyclocitral and β -ionone on the photosynthesis in duckweed by altering gene expression. **2022**, 308, 119711 1
- 360 In vitro rooting, plant growth, monosaccharide profile and anatomical analysis of *Phalaenopsis* regenerants under different regions of visible light. **2022**, 149, 622-631

- 359 The combined treatments of brassinolide and zeaxanthin better alleviate oxidative damage and improve hypocotyl length, biomass, and the quality of radish sprouts stored at low temperature. **2022**, 15, 100394
- 358 Determination of Total Phenolic, Antioxidant, Chlorophyll and Carotenoid Amounts of *Lavandula angustifolia* (Lavender) and *Salvia rosmarinus* (Rosemary) under Heavy Metal (Cu²⁺, Cd²⁺) Stress.
- 357 Effects of Harvest Maturity on the Fruit Quality of Different Flesh-Type Peach Stored at Near-Freezing Point Temperature. **2022**, 11, 2200
- 356 AgDHAR2, a chloroplast-located dehydroascorbate reductase, modulates the ascorbate accumulation and drought stress response in celery. **2022**, 105006 0
- 355 Physiological and molecular features predispose native and invasive populations of sweet briar (*Rosa rubiginosa* L.) to colonization and restoration of drought degraded environments. **2022**, 125690
- 354 Are Traditional Lima Bean (*Phaseolus lunatus* L.) Landraces Valuable to Cope with Climate Change? Effects of Drought on Growth and Biochemical Stress Markers. **2022**, 12, 1715
- 353 *Lemna trisulca* L.: a novel phytoremediator for the removal of zinc oxide nanoparticles (ZnO NP) from aqueous media.
- 352 A synthetic cytokinin primes photosynthetic and growth response in grapevine under ion-independent salinity stress. **2022**, 17, 789-800
- 351 Variability of tolerance of Wild cherry clones to PEG-induced osmotic stress in vitro. **2022**, 15, 265-272 1
- 350 Synergism of *Bradyrhizobium* and *Azospirillum baldaniorum* improves growth and symbiotic performance in lima bean under salinity by positive modulations in leaf nitrogen compounds. **2022**, 180, 104603 1
- 349 Combined Analysis of Metabolome and Transcriptome Provides Insights into Metabolisms of Chlorophylls, Carotenoids, and Flavonoids in the Yellowing Leaves of *Macadamia*.
- 348 The role of silicon in the mitigation of water stress in *Eugenia myrcianthes* Nied. seedlings. 82, 1
- 347 Physiological reaction and chemical composition of *Stachys schtschegleevii* Sosn. essential oil under water deficit.. **2022**, 21, 103-114
- 346 Fennel outperforms ajwain and anise in saline environment: physiological response mechanisms in germinating seeds and mature plants.
- 345 In-door germination and seedling growth of green and red lettuce under LED-light spectrum and subsequent effect on baby leaf lettuce. **2022**, 17, 1
- 344 Chitosan and Titanium Dioxide Are More Effective in Improving Seed Yield and Quality in Nanoparticle Compared to Non-Structured Form: A Case Study in Five Milk Thistle Ecotypes (*Silybum marianum* (L.) Gaertn.). **2022**, 12, 1827 2
- 343 Iron Biofortification of Greenhouse Soilless Lettuce: An Effective Agronomic Tool to Improve the Dietary Mineral Intake. **2022**, 12, 1793 2
- 342 Physiological responses and phytoremediation capacity of floating and submerged aquatic macrophytes exposed to ciprofloxacin. 1

- 341 Potency of Titanium Dioxide Nanoparticles, Sodium Hydrogen Sulfide and Salicylic Acid in Ameliorating the Depressive Effects of Water Deficit on Periwinkle Ornamental Quality. **2022**, 8, 675 3
- 340 Efficacy of Biochar-Supplemented Soil for Modification of Physio-Biochemical Attributes of Canola (*Brassica napus* L.) Genotypes under Different Moisture Regimes. 0
- 339 Transcriptome and Metabolome Analyses Reveal Differences in Terpenoid and Flavonoid Biosynthesis in *Cryptomeria fortunei* Needles Across Different Seasons. 13, 0
- 338 Integrated management of charcoal rot disease in susceptible genotypes of mungbean with soil application of micronutrient zinc and green manure (*prickly sesban*). 13, 0
- 337 Response of date palm offshoots (*Phoenix dactylifera* L.) to the foliar spray of salicylic acid and citric acid under salinity conditions. **2022**, 49, 130-136 0
- 336 Inoculation of *Trichoderma asperelloides* ameliorates aluminum stress-induced damages by improving growth, photosynthetic pigments and organic solutes in maize. **2022**, 12, 0
- 335 Priming with the green leaf volatile (Z)-3-hexeny-1-yl acetate enhances drought resistance in wheat seedlings. 0
- 334 Morphophysiological Acclimation of Developed and Senescing Beech Leaves to Different Light Conditions. **2022**, 13, 1333 0
- 333 Commonalities and specialties in photosynthetic functions of PROTON GRADIENT REGULATIONS5 variants in *Arabidopsis*. 0
- 332 Assessing oxidative stress and photosynthetic activity in leaf galls induced by different species of galling insect on *Aspidosperma* spp.. 0
- 331 Improvement in the physiological and biochemical performance of strawberries under drought stress through symbiosis with Antarctic fungal endophytes. 13, 0
- 330 Spectral Preprocessing Combined with Deep Transfer Learning to Evaluate Chlorophyll Content in Cotton Leaves. **2022**, 2022, 1-15 0
- 329 The Effect of Irrigation of Pickling Cucumber with Urban Wastewater on Product Quality and Heavy Metal Accumulation. 0
- 328 Comparative Analysis of Tolerance to Salt Stress and Water Deficit in Two Invasive Weeds of the Genus *Erigeron* (Asteraceae). **2022**, 11, 2059 1
- 327 Interaction between P fertilizers and microbial inoculants at the vegetative and flowering stage of *Medicago truncatula*. 0
- 326 Salt-tolerant endophytic bacterium *Enterobacter ludwigii* B30 enhance bermudagrass growth under salt stress by modulating plant physiology and changing rhizosphere and root bacterial community. 13, 1
- 325 Effects of light intensity on the growth of *Polygala fallax* Hemsl. (Polygalaceae). 13, 1
- 324 Moisture- and period-dependent interactive effects of plant growth-promoting rhizobacteria and AM fungus on water use and yield formation in dryland wheat. 1

- 323 Prolonged Use of Insecticide Dimethoate Inhibits Growth and Photosynthetic Activity of Wheat Seedlings: A Study by Laser-Induced Chlorophyll Fluorescence Spectroscopy. 1
- 322 Precise Monitoring of Lettuce Functional Responses to Minimal Nutrient Supplementation Identifies Aquaponic System's Nutrient Limitations and Their Time-Course. **2022**, 12, 1278 2
- 321 The Binding Ability of Mercury (Hg) to Photosystem I and II Explained the Difference in Its Toxicity on the Two Photosystems of *Chlorella pyrenoidosa*. **2022**, 10, 455
- 320 Endophytic bacteria from in vitro culture of *Leucosium aestivum* L. a new source of galanthamine and elicitor of alkaloid biosynthesis. **2022**, 12, 2
- 319 The Effect of LED and HPS Assimilation Lighting on Leaf Anatomy, Chlorophyll and Carotenoid Autofluorescence Signals, and Some Physiological and Chemical Leaf Traits Related to the Productivity of Cucumber (*Cucumis sativus* L.) in High-Wire Cultivation. **2022**, 12, 2004
- 318 Thidiazuron and LED Lighting Enhance Taxifolin and Rutin Production in *Rhododendron mucronulatum* Turcz. Microshoot Culture.
- 317 Effects of Polyploidization on Morphology, Photosynthetic Parameters and Sucrose Metabolism in Lily. **2022**, 11, 2112 1
- 316 Assessment of nitrogen interaction with temperature on the growth and toxin production of mat-forming toxin-producing *Anagnostidinema carotinosum*.
- 315 Comparative study of photosynthetic capacity in lower leaves in the canopy of dwarf and semidwarf wheat.
- 314 Exogenously Applied Salicylic Acid Boosts Morpho-Physiological Traits, Yield, and Water Productivity of Lowland Rice under Normal and Deficit Irrigation. **2022**, 12, 1860 0
- 313 Physiological, Transcriptomic and Metabolomic Analyses of Overwintering *Cryptomeria fortunei* Needles. **2022**, 13, 1249 0
- 312 Gibberellic Acid Priming Improved Rapeseed Drought Tolerance by Modulating Root Morphology, ROS Homeostasis, and Chloroplast Autophagy. 1
- 311 Increasing soil heterogeneity strengthens the inhibition of a native woody plant by an invasive congener. 0
- 310 Effects of light quality on growth, photosynthetic characteristics, and endogenous hormones in in vitro-cultured *Lilium* plantlets.
- 309 Effects of ascorbic acid addition on the oxidative stress response of *Oryza sativa* L. plants to As(V) exposure. **2022**, 186, 232-241 0
- 308 Salicylic acid alleviates the water stress on photochemical apparatus and quality of *Schinus terebinthifolia* seedlings. **2022**, 26, 747-752 3
- 307 Contrasting seasonal abiotic stress and herbivory incidence in *Cistus albidus* L. plants growing in their natural habitat on a Mediterranean mountain. **2022**, 206, 104842
- 306 Impact of melatonin on the hydrogen peroxide treatment efficacy in *Microcystis aeruginosa*: Cell growth, oxidative stress response, and gene transcription. **2022**, 307, 136036 0

- 305 How aminomethylphosphonic acid (AMPA), the main glyphosate metabolite, interferes with chlorophyll biosynthesis?. **2022**, 203, 105039
- 304 Essential oil composition, physiological and morphological variation in *Salvia abrotanoides* and *S. yangii* under drought stress and chitosan treatments. **2022**, 187, 115429 1
- 303 *Pseudomonas putida* mediates bacterial killing, biofilm invasion and biocontrol with a type IVB secretion system. 0
- 302 Nitric Oxide Confers Chilling Stress Tolerance by Regulating Carbohydrate Metabolism and the Antioxidant Defense System in Melon (*Cucumis melo* L.) Seedlings. **2022**, 57, 1249-1256 0
- 301 Ecotoxicological effects of the antidepressant fluoxetine and its removal by the typical freshwater microalgae *Chlorella pyrenoidosa*. **2022**, 244, 114045 0
- 300 Sustainable conversion of textile industry cotton waste into P-doped biochar for removal of dyes from textile effluent and valorisation of spent biochar into soil conditioner towards circular economy. **2022**, 312, 120056 0
- 299 Responses of cherry radish to different types of microplastics in the presence of oxytetracycline. **2022**, 191, 1-9 2
- 298 Physiological responses to lead and PEG-simulated drought stress in metallicolous and non-metallicolous *Matthiola* (Brassicaceae) species from Iran. **2022**, 150, 1011-1021 0
- 297 High phosphorus supply enhances leaf gas exchange and growth of young Arabica coffee plants under water deficit. **2022**, 58, 0
- 296 Use of *Myriophyllum aquaticum* to inhibit *Microcystis aeruginosa* growth and remove microcystin-LR. **2022**, 57, 434-441 0
- 295 Exploration of Distinct Physiological and Biochemical Alterations in Chickpea (*Cicer arietinum* L.) under Varying Organic Materials, Drought and Proline Application. **2022**, 91, 2775-2789 0
- 294 Multi-Year Monitoring of Deciduous Forests Ecophysiology and the Role of Temperature and Precipitation as Controlling Factors. **2022**, 11, 2257 0
- 293 Seed Priming with Spermine Mitigates Chromium Stress in Rice by Modifying the Ion Homeostasis, Cellular Ultrastructure and Phytohormones Balance. **2022**, 11, 1704 0
- 292 Metabolomic and Transcriptomic Analyses Reveal Association of Mature Fruit Pericarp Color Variation with Chlorophyll and Flavonoid Biosynthesis in Wax Gourd (*Benincasa hispida*). **2022**, 12, 2045 0
- 291 Searching for Optimal Substitute Habitats for Plants by Biological Experiments—A Case Study of the Endangered Species *Aldrovanda vesiculosa* L. (Droseraceae). **2022**, 19, 10743 0
- 290 Folic Acid Reinforces Maize Tolerance to Sodic-Alkaline Stress through Modulation of Growth, Biochemical and Molecular Mechanisms. **2022**, 12, 1327 0
- 289 Type-A response regulators negatively mediate heat stress response by altering redox homeostasis in *Arabidopsis*. 13, 0
- 288 Silicon-based Biostimulators for Sustainable Agriculture. **2022**, 85-94 0

- 287 Features of Wheat Adaptation to Frost under Low-Temperature Exposure of Different Intensity. **2022**, 69, 0
- 286 *Alhagi sparsifolia* acclimatizes to saline stress by regulating its osmotic, antioxidant, and nitrogen assimilation potential. **2022**, 22, 0
- 285 Reducing culture medium nitrogen supply coupled with replenishing carbon nutrient simultaneously enhances the biomass and lipid production of *Chlamydomonas reinhardtii*. 13, 1
- 284 Too Dense or Not Too Dense: Higher Planting Density Reduces Cannabinoid Uniformity but Increases Yield/Area in Drug-Type Medical Cannabis. 13, 0
- 283 Enhancement of Rose Scented Geranium Plant Growth, Secondary Metabolites, and Essential Oil Components through Foliar Applications of Iron (Nano, Sulfur and Chelate) in Alkaline Soils. **2022**, 12, 2164 0
- 282 Seedling Establishment Test for the Comprehensive Evaluation of Compost Phytotoxicity. **2022**, 14, 11920 1
- 281 Optimization of Propagation of the Polish Strain of *Aldrovanda vesiculosa* in Tissue Culture. **2022**, 11, 1389 1
- 280 Physiological and biochemical responses of hybrid maize (*Zea mays* L.) varieties grown under heat stress conditions. 10, e14141 0
- 279 Some ecological impacts of eastern Euphrates drainage water on basil (*Ocimum basilicum*). **2022**, 1088, 012018 0
- 278 Water retention and metabolic changes improve desiccation tolerance in *Barbarea graminifolia* (Velloziaceae). 0
- 277 Involvement of Lipids in Adaptations of Higher Vascular Plants to the Conditions of West Spitsbergen. **2022**, 12, 551-560 0
- 276 Effect of a Biostimulant Based on Polyphenols and Glycine Betaine on Tomato Plants's Responses to Salt Stress. **2022**, 12, 2142 2
- 275 Efficacy of *Sterculia diversifolia* Leaf Extracts: Volatile Compounds, Antioxidant and Anti-Inflammatory Activity, and Green Synthesis of Potential Antibacterial Silver Nanoparticles. **2022**, 11, 2492 0
- 274 The nutritional evaluation of nopalitos from six South African cactus pear cultivars. **2022**, 377-386 0
- 273 Nano-Selenium in the holding solution promotes rose and carnation vase life by improving both water relations and antioxidant status. 1-16 0
- 272 Influence of Cactus Pear Mucilage-Based Edible Coating on Marketability and Edibility Parameters of Minimally Processed Loquat Fruits. **2022**, 12, 2120 1
- 271 Single and poly capsule sesame (*Sesamum indicum* L.) productivity in response to plant growth-promoting rhizobacteria and foliar application of silicon, potassium, and calcium. **2022**, 44, 0
- 270 DRB2 Modulates Leaf Rolling by Regulating Accumulation of MicroRNAs Related to Leaf Development in Rice. **2022**, 23, 11147 0

269	Naphthalene Stress Responses of the Aquatic fern <i>Azolla Filiculoides</i> Lam. and Evaluation of Phytoremediation Potential. 1-18	0
268	A mutation in <i>SlCHLH</i> encoding a magnesium chelatase H subunit is involved in the formation of yellow stigma in tomato (<i>Solanum lycopersicum</i> L.). 2022 , 111466	0
267	Evaluation of fatty acid and antioxidant variation in a complex pasture system as compared to standard cattle feed in the Great Lakes region. 6,	0
266	Iron Biofortification of Greenhouse Cherry Tomatoes Grown in a Soilless System. 2022 , 8, 858	0
265	Effects of <i>Bacillus amyloliquefaciens</i> QST713 on Photosynthesis and Antioxidant Characteristics of Alfalfa (<i>Medicago sativa</i> L.) under Drought Stress. 2022 , 12, 2177	1
264	A comparative study on the quality attributes, phenolic content and antioxidant activity of cultivated and wild asparagus as influenced by seasonal variations. 1-10	0
263	Co-analysis of cucumber rhizosphere metabolites and microbial PLFAs under excessive fertilization in solar greenhouse. 13,	0
262	Effect of selenium supplementation on mycorrhizal onion (<i>Allium cepa</i> L.) plants. 1-23	0
261	The multifaceted roles of R2R3 transcription factor <i>HlMYB7</i> in the regulation of flavonoid and bitter acids pathways, development and biotic stress in hop (<i>Humulus lupulus</i> L.).	0
260	Synergistic effect of polyamine treatment and chitosan coating on postharvest senescence and enzyme activity of bell pepper (<i>Capsicum annuum</i> L.) fruit. 2022 , 151, 175-184	0
259	Calibration of chlorophyll hand-held meter based on vineyard NDVI zones for estimation of leaf N content. 46,	1
258	Preliminary Assessment of the Relationship between Pigments in Olive Leaves and Vegetation Indices. 2022 , 76, 517-525	0
257	Whole genome analysis of <i>Enterobacter cloacae</i> Rs-2 and screening of genes related to plant-growth promotion.	0
256	Fruit nutritional composition, antioxidant and biochemical profiling of diverse tomato (<i>Solanum lycopersicum</i> L.) genetic resource. 13,	0
255	Compound fermentation supernatants of antagonistic bacteria control <i>Rhizoctonia cerealis</i> and promote wheat growth. 2022 , 32,	0
254	Toxic Effects of Tetracycline and Its Removal by the Freshwater Microalga <i>Chlorella pyrenoidosa</i> . 2022 , 12, 2497	0
253	Evaluation of the Methods for Estimating Leaf Chlorophyll Content with SPAD Chlorophyll Meters. 2022 , 14, 5144	2
252	Beneficial Effects of Biochar-Based Organic Fertilizers on Nitrogen Assimilation, Photosynthesis, and Sucrose Synthesis of Sugar Beet (<i>Beta vulgaris</i> L.).	0

251	Comparison of synthetic and organic biodegradable chelants in augmenting cadmium phytoextraction in <i>Solanum nigrum</i> . 1-10	0
250	Chemical Characterization of Selected Algae and Cyanobacteria from Bulgaria as Sources of Compounds with Antioxidant Activity. 2022 , 12, 9935	2
249	Gene Expression Analyses Reveal Mechanisms of Inhibited Yellowing by Applying Selenium-Chitosan on Fresh-Cut Broccoli. 2022 , 11, 3123	1
248	Fatty Acid and Antioxidant Profile of Eggs from Pasture-Raised Hens Fed a Corn- and Soy-Free Diet and Supplemented with Grass-Fed Beef Suet and Liver. 2022 , 11, 3404	0
247	Alleviation of Salt Stress with Chitosan Foliar Application and Its Effects on Growth and Development in Tomato (<i>Solanum lycopersicum</i> L.).	0
246	Effects of jasmonic acid in foliar spray and an humic acid amendment to saline soils on forage sorghum plants's growth and antioxidant defense system. 10, e13793	0
245	N- or/and P-deprived <i>Coccomyxa chodatii</i> SAG 216's extracts instigated mercury tolerance of germinated wheat seedlings.	1
244	Attenuating the toxicity of isoproturon to maize by priming in ascorbate, glutathione or thiourea. 2022 , 100014	0
243	A proteomic analysis shows the stimulation of light reactions and inhibition of the Calvin cycle in the skin chloroplasts of ripe red grape berries. 13,	0
242	Polyethylenimine Increases Antibacterial Efficiency of Chlorophyllin. 2022 , 11, 1371	0
241	Glucose-6-phosphate dehydrogenase promotes the infection of Chilli veinal mottle virus through affecting ROS signaling in <i>Nicotiana benthamiana</i> . 2022 , 256,	0
240	Variation of the Antioxidative Defense in <i>Elaeis guineensis</i> Jacq. Facing Bud Rot Disease in the Coastal Area of Ecuador. 2022 , 27, 7314	0
239	Anthocyanin Biosynthesis Associated with Natural Variation in Autumn Leaf Coloration in <i>Quercus aliena</i> Accessions. 2022 , 23, 12179	0
238	Comparative study of growth responses, photosynthetic pigment content, and gene expression pattern in tobacco plants treated with ZnO nano and ZnO bulk particles. 2022 , 24,	1
237	A Hydrogen-Sulfide-Repressed Methionine Synthase SlMS1 Acts as a Positive Regulator for Fruit Ripening in Tomato. 2022 , 23, 12239	0
236	The alga <i>Bracteacoccus bullatus</i> (Chlorophyceae) isolated from snow, as a source of oil comprising essential unsaturated fatty acids and carotenoids.	1
235	Effect of Biostimulant Application on Plant Growth, Chlorophylls and Hydrophilic Antioxidant Activity of Spinach (<i>Spinacia oleracea</i> L.) Grown under Saline Stress. 2022 , 8, 971	3
234	The trajectory in catalytic evolution of Rubisco in <i>Posidonia</i> seagrass species differs from terrestrial plants.	0

- 233 Seed priming with ascorbic acid improves response of *Medicago polymorpha* L. seedlings to osmotic stress induced by NaCl and PEG solutions. 1-18 0
- 232 Biocrusts alleviate the aggravating C limitation in microbial respiration with increasing aridity. **2022**, 116210 0
- 231 Drug Delivery in Plants Using Silk Microneedles. 2205794 0
- 230 Morphology, physiology, and biochemistry of zinc-stressed caraway plants. 0
- 229 Microencapsulation of *Thymus vulgaris* and *Tagetes minuta* essential oils: volatile release behavior, antibacterial activity and effect on potato yield. **2022**, 0
- 228 Toxicity of boron nitride nanoparticles influencing bio-physicochemical responses in freshwater green algae. 0
- 227 Physiological responses of chickpea (*Cicer arietinum*) against chromium toxicity. **2022**, 24, 100600 0
- 226 Effects of ecological factors on phytochemical and nutritional composition of *Caralluma tuberculata* N. E. Brown. **2022**, 105, 104518 0
- 225 Genetic diversity of fig accessions under atypical climatic conditions assessed by fruit quality and antioxidant activity. **2022**, 151, 214-223 0
- 224 Use of lichen species for air pollution biomonitoring: Case of Dar-Chichou forest (Cap-Bon, North-East Tunisia). **2022**, 16, 100211 0
- 223 Combined analysis of metabolome and transcriptome provides insights into metabolisms of chlorophylls, carotenoids, and flavonoids in the yellowing leaves of *Macadamia*. **2023**, 308, 111600 0
- 222 Physiological recovery of freezer-stored white and Engelmann spruce seedlings planted following different thawing regimes. **1995**, 10, 55-77 1
- 221 Iron nanoparticles induced the growth and physio-chemical changes in *Kobresia capillifolia* seedlings. **2023**, 194, 15-28 0
- 220 *Funneliformis constrictum* modulates polyamine metabolism to enhance tolerance of *Zea mays* L. to salinity. **2023**, 266, 127254 3
- 219 Physiological and metabolic responses to aluminum toxicity reveal differing resistance mechanisms to long-term exposure in highbush blueberry cultivars. **2023**, 309, 111665 0
- 218 Abscisic Acid, Paclobutrazol, and Salicylic Acid Alleviate Salt Stress in *Populus talassica* [*Populus euphratica*] by Modulating Plant Root Architecture, Photosynthesis, and the Antioxidant Defense System. **2022**, 13, 1864 1
- 217 Effects of semi-decomposed weeds as substrate on plant growth, antioxidant capacity, and leaf nutrition of plum trees. 1-12 0
- 216 Ectopic expression of rice malate synthase in *Arabidopsis* revealed its roles in salt stress responses. **2022**, 153863 0

- 215 Enhanced lipid production and analysis of properties of biodiesel produced from freshwater microalgae *Scenedesmus obtusus* ON089666.1. **2022**, 101286 ○
- 214 Quercetin ameliorates chromium toxicity through improvement in photosynthetic activity, antioxidative defense system; and suppressed oxidative stress in *Trigonella corniculata* L.. **2022**, 13, ○
- 213 Exogenous γ -Aminobutyric Acid (GABA) Application Mitigates Salinity Stress in Maize Plants. **2022**, 12, 1860 1
- 212 Exogenous ABA and IAA modulate physiological and hormonal adaptation strategies in *Cleistocalyx operculatus* and *Syzygium jambos* under long-term waterlogging conditions. **2022**, 22, 1 1
- 211 Investigating the Effects of 2850 MHz Electromagnetic Field Radiations on the Growth, Germination and Antioxidative Defense System of Chickpea (*Cicer arietinum* L.) Seedlings. **2022**, 69, ○
- 210 Volatile compounds of *Bacillus pseudomycooides* induce growth and drought tolerance in wheat (*Triticum aestivum* L.). **2022**, 12, ○
- 209 Physiological Responses of a Diazotrophic Cyanobacterium to Acidification of Paddy Floodwater: N₂ Fixation, Photosynthesis, and Oxidative Antioxidative Characteristics. **2022**, 19, 15070 ○
- 208 Insights into Cadmium-Induced Morphophysiological Disorders in *Althea rosea* Cavan and Its Phytoremediation through the Exogeneous Citric Acid. **2022**, 12, 2776 ○
- 207 Comparative Study for the Effect of Selenium and Nano-Selenium on Wheat Plants Grown under Drought Stress. **2022**, 69, ○
- 206 Diversity of structural and functional parameters of the photosynthetic apparatus among hydrophilic plants of the Maksimikha River (Republic of Buryatia, Russia). **2022**, 21, 171-174 ○
- 205 A novel strategy to promote microalgal growth and lipid productivity by supplementation of lignin related phenolic elicitors. **2023**, 334, 126775 ○
- 204 6-Benzyladenine alleviates NaCl stress in watermelon (*Citrullus lanatus*) seedlings by improving photosynthesis and upregulating antioxidant defences. **2022**, ○
- 203 Planting models and mulching materials management to improve anti-oxidant defense system, grain hormone balance and production of maize in semi-arid regions. **2023**, 280, 153897 ○
- 202 Insights into the per- and polyfluoroalkyl substances-contaminated paper mill processing discharge: Detection, phytotoxicity, bioaccumulative profiling, and health risk verification. **2023**, 384, 135478 ○
- 201 Effects of plant physiological responses under nitrogen stress on pollutant removal in subsurface constructed wetlands. **2023**, 51, 103351 ○
- 200 Efficient nutrient removal of *Pyropia*-processing wastewater and rapid algal biomass harvesting by *Scenedesmus obliquus* combined with chitosan. **2023**, 51, 103365 ○
- 199 Photosynthetic, antioxidant activities, and osmoregulatory responses in winter wheat differ during the stress and recovery periods under heat, drought, and combined stress. **2023**, 327, 111557 1
- 198 The plasticity of the photosynthetic apparatus and antioxidant responses are critical for the dispersion of *Rhizophora mangle* along a salinity gradient. **2023**, 185, 103609 ○

- 197 Accurate correction method and algorithm of fluorescence secondary inner filter effect (sIEF) in fluorescence quantitative analysis. **2023**, 288, 122147 ○
- 196 Influence of exogenous ascorbic acid on vase life and biochemical constituents of chrysanthemum (*Chrysanthemum morifolium*). **2019**, 89, ○
- 195 Effects of endogenous abscisic acid on fruit growth and ripening of coloured capsicum (*Capsicum annuum*). **2019**, 89, ○
- 194 Effect of the Type of Thermal Treatment on the Nutritional and Nutraceutical Characteristics of Pacaya Inflorescences (*Chamaedorea tepejilote* Liebm). ○
- 193 Physiological analysis and transcriptome sequencing of a delayed-green leaf mutant “Duojiang” ornamental crabapple (*Malus* sp.). **2022**, 28, 1833-1848 ○
- 192 Early Detection of Coffee Leaf Rust Caused by *Hemileia vastatrix* Using Multispectral Images. **2022**, 12, 2911 ○
- 191 Diverse responses of halophyte and glycophyte *Lepidium* species to the salt-mediated amelioration of nickel toxicity and accumulation. 1
- 190 Interactive responses of root and shoot of camphor tree (*Cinnamomum camphora* L.) to asymmetric disturbance treatments. 13, ○
- 189 Physiological mechanisms underlying extreme longevity in mountain pine trees. 1
- 188 Use of Tomato, Carrot, and Beetroot Powder as Fish Feed Additive and Their Effects on Growth, Carotenoid Deposition, Muscle Composition, and Palatability of *Barbonymus gonionotus* (Silver Barb). ○
- 187 Phytotoxicity level and accumulation ability of pot marigold (*Calendula officinalis* L.) to zinc. 1-9 1
- 186 An efficient estimation of crop performance in sheep fescue (*Festuca ovina* L.) using artificial neural network and regression models. **2022**, 12, ○
- 185 Effects of Hay, Baleage, and Soybean Hulls Waste Used as Supplemental Feeds on the Nutritional Profile of Grass-Finished Beef. **2022**, 11, 3856 ○
- 184 Comparative analysis of cold-responsive genes under short-term cold stimulation and cold-adaptive genes under long-term heterogeneous environments reveals a cold adaptation mechanism in weeping forsythia. ○
- 183 Mitigation of Negative Effects of Chromium (VI) Toxicity in Faba Bean (*Vicia faba*) Plants through the Supplementation of Kinetin (KN) and Gibberellic Acid (GA3). **2022**, 11, 3302 ○
- 182 Efficiency of Sodium and Calcium Chloride in Conferring Cross-Tolerance to Water Deficit in Periwinkle. **2022**, 8, 1091 ○
- 181 Transcriptomic analysis reveals the mechanism of the alleviation of salt stress by salicylic acid in pepper (*Capsicum annuum* L.). ○
- 180 Changes in polyphenolic composition, physiological characteristics, and yield-related traits of Moshgak (*Ducrosia anethifolia* Boiss.) populations in response to drought stress. 1

- 179 Chrysanthemum: A Comprehensive Review on Recent Developments on In Vitro Regeneration. **2022**, 11, 1774 0
- 178 Nutritional, Antioxidant, Sensory, Energetic, and Electrical Properties of Enriched Pasta. **2022**, 12, 12672 0
- 177 Effect of zinc nanoparticles on the growth and biofortification capability of mungbean (*Vigna radiata*) seedlings. 0
- 176 Producing fast and active Rubisco in tobacco to enhance photosynthesis. 0
- 175 Comparative physiological and transcriptomics analysis revealed crucial mechanisms of silicon-mediated tolerance to iron deficiency in tomato. 13, 0
- 174 Characterization of plant growth promoting activities of indigenous bacteria of phosphate mine wastes, a first step toward revegetation. 13, 0
- 173 VIS-NIR-SWIR Hyperspectroscopy Combined with Data Mining and Machine Learning for Classification of Predicted Chemometrics of Green Lettuce. **2022**, 14, 6330 2
- 172 24-Epibrassinolide promotes activation of physiological compensation mechanisms in response to drought stress and rehydration and improves yield in soybean. 0
- 171 Gall-inducing *Eriophyes tiliae* stimulates the metabolism of *Tilia platyphyllos* leaves towards oxidative protection. **2022**, 0
- 170 The Effect of Different Drying Methods on Bioactive and Nutrition Contents of Bee Bread and Mathematical Modeling of Drying Characteristics. 0
- 169 Protective Effect (Safener) of Melatonin on *Vigna Radiata* L. Seedlings in the Presence of the Fungicide Copper Oxochloride. 1
- 168 Halophyte *Nitraria billardieri* CIPK25 promotes photosynthesis in *Arabidopsis* under salt stress. 13, 0
- 167 Agrobiodiversity in organic Brassica crops: relationship between pigment composition and antioxidant activity. **2022**, 317-324 0
- 166 Growth, Biomass Partitioning, and Photosynthetic Performance of Chrysanthemum Cuttings in Response to Different Light Spectra. **2022**, 11, 3337 2
- 165 The uppermost monoterpenes improving *Cinnamomum camphora* thermotolerance by serving signaling functions. 13, 0
- 164 Green-synthesized MnO₂ nanofertilizer impact on growth, photosynthetic pigment, and non-enzymatic antioxidant of *Vigna unguiculata* cultivar. 0
- 163 Quality traits and mineral profile of carrot from Dordogne as affected by foliar applications of silicon. **2022**, 219-226 0
- 162 *Moringa olferia* smoke induced positive changes in biochemical, metabolic, and antioxidant profile of rice seedling under cadmium stress. 1-11 0

- 161 Warming offsets the benefits of elevated CO₂ in water relations while amplifies elevated CO₂-induced reduction in forage nutritional value in the C4 grass *Megathyrus maximus*. 13, 0
- 160 Melatonin induces drought tolerance by modulating lipoxygenase expression, redox homeostasis and photosynthetic efficiency in *Arachis hypogaea* L. 13, 0
- 159 A novel stepwise dilution strategy to improve astaxanthin production of *Haematococcus pluvialis* in outdoor horizontal tubular photobioreactors. **2023**, 102971 0
- 158 Selenium seed priming enhanced the growth of salt-stressed *Brassica rapa* L. through improving plant nutrition and the antioxidant system. 13, 0
- 157 Growth, Phytochemicals, and Antioxidant Activity of Kale Grown under Different Nutrient-Solution Depths in Hydroponic. **2023**, 9, 53 0
- 156 Synergic mitigation of saline-alkaline stress in wheat plant by silicon and *Enterobacter* sp. FN0603. 13, 0
- 155 Quality Traits and Nutritional Components of Cherry Tomato in Relation to the Harvesting Period, Storage Duration and Fruit Position in the Truss. **2023**, 12, 315 0
- 154 Soil flooding and its outcome on cadmium and nutrient uptake affect photosynthetic activity in *Inga laurina* plants. 0
- 153 Germination and Growth Improvement of Some Micro-Greens under the Influence of Reactive Species Produced in a Non-Thermal Plasma (NTP). **2023**, 13, 150 0
- 152 Effect of Recurrent Salt and Drought Stress Treatments on the Endangered Halophyte *Limonium angustebracteatum* Erben. **2023**, 12, 191 0
- 151 Potassium silicate reduces water consumption, improves drought tolerance, and enhances the productivity of sweet corn (*Zea mays*) under deficit irrigation. **2023**, 45, 0
- 150 Effect of the hydroxycinnamic acids and their chitosan-based conjugates on the growth and biochemical parameters of microclone potato plants <i>in vitro</i>. **2023**, 66, 605-613 0
- 149 Responses to Salt Stress of the Interspecific Hybrid *Solanum insanum* × *Solanum melongena* and Its Parental Species. **2023**, 12, 295 1
- 148 Improvement of the probiotic growth-stimulating capacity of microalgae extracts by pulsed electric fields treatment. **2023**, 83, 103256 0
- 147 Biosynthesis of Chlorophyll and Other Isoprenoids in the Plastid of Red Grape Berry Skins. 0
- 146 Effect of Zinc Excess in Substrate on Physiological Responses of *Sinapis alba* L.. **2023**, 12, 211 0
- 145 Exogenous Spermidine Alleviated Waterlogging Damages in Two Varieties of *Camellia oleifera*. **2023**, 14, 91 0
- 144 Unraveling the Impact of Chilean Native Cultures of *Enterococcus* sp. Strain BB3 and *Lactobacillus* sp. Strain BB6 on the Physiology of Tomato Plants (*Solanum lycopersicum* L.). 1

- 143 *Triticum aestivum*: antioxidant gene profiling and morpho-physiological studies under salt stress. ○
- 142 Polyploidization of *Trigonella foenum-graecum* L. enhances its phytotoxic activity against *Cyperus rotundus* L.. **2023**, 153, 336-345 ○
- 141 Biochar combined with *Bacillus subtilis* SL-44 as an eco-friendly strategy to improve soil fertility, reduce *Fusarium* wilt, and promote radish growth. **2023**, 251, 114509 1
- 140 Allelopathic effects of the invasive species (*Prosopis juliflora*) on seedlings of two common arid plants: Does free proline play roles?. **2023**, 211, 104931 ○
- 139 Urine and grey water based liquid fertilizer âProduction and the response of plants. **2023**, 331, 117248 1
- 138 The gradient distribution of pigment metabolites provided insights into the uneven colouration of pulp in cold-stored blood orange. **2023**, 198, 112234 ○
- 137 Molecular identification and characterization of phytobeneficial osmotolerant endophytic bacteria inhabiting root nodules of the Saharan tree *Vachellia tortilis* subsp. *raddiana*. **2023**, 205, ○
- 136 Molecular and Physiological Variability in Bread Wheat and Its Wild Relative (*Aegilops tauschii* Coss.) Species under Water-Deficit Stress Conditions. **2023**, 12, 3 ○
- 135 The novel strategy for enhancing growth and lipid accumulation in *Chlorella vulgaris* microalgae cultured in dairy wastewater by monochromatic LEDs and melatonin. ○
- 134 Effects of arbuscular mycorrhizal fungi on plant growth and herbivore infestation depend on availability of soil water and nutrients. 14, ○
- 133 Pre-treatment for heat tolerance enhancement of the Indian almond (*Pithecellobium dulce*) seedlings using ascorbic acid and potassium chloride. **2023**, 50, 80-88 ○
- 132 Pepper growth promotion and biocontrol against *Xanthomonas euvesicatoria* by *Bacillus cereus* and *Bacillus thuringiensis* formulations. 11, e14633 ○
- 131 Interplay among ZF-HD and GRF transcription factors during *Arabidopsis* leaf development. ○
- 130 The multifaceted roles of Arbuscular Mycorrhizal Fungi in peanut responses to salt, drought, and cold stress. **2023**, 23, ○
- 129 Physiological and gene expression changes of *Cryptomeria fortunei* Hooibrenk families under heat stress. 14, ○
- 128 Protective role of ZnO nanoparticles in soybean seedlings growth and stress management under Cr-enriched conditions. ○
- 127 Biofilm formation and flocculation potential analysis of halotolerant *Bacillus tequilensis* and its inoculation in soil to mitigate salinity stress of chickpea. ○
- 126 Effects of Exogenous Application of 24-Epibrassinolide on Photosynthesis Parameters, Grain Yield, and Protein of Dragonâ Head (*Lallemantia iberica*) Under Drought Stress Conditions. ○

125	Structural and Physiological Traits of Compound Leaves of <i>Ceratonia siliqua</i> Trees Grown in Urban and Suburban Ambient Conditions. 2023 , 12, 514	0
124	Productive, Morpho-Physiological, and Postharvest Performance of Six Basil Types Grown in a Floating Raft System: A Comparative Study. 2023 , 12, 486	1
123	Studies of Oat-Maize Hybrids Tolerance to Soil Drought Stress. 2023 , 13, 243	0
122	A Critical Gap in Seagrass Protection: Impact of Anthropogenic Off-Shore Nutrient Discharges on Deep <i>Posidonia oceanica</i> Meadows. 2023 , 12, 457	0
121	Selection of Soybean Genotypes under Different Amounts of Sulfur Using Multivariate Statistical Methods. 2021 , 13, 1-13	0
120	SPECTROPHOTOMETRIC DETERMINATION OF THE CONTENT OF CHLOROPHYLLS, CAROTENOIDS AND XANTHOPHYLL IN THE FRESH AND DRY LEAVES OF SOME SEASONING AND AROMATIC PLANTS FROM THE WESTERN AREA OF ROMANIA. 2022 ,	0
119	Impact of iron oxide nanoparticles on a lead-polluted waterâplant system under alternating periods of water stress.	0
118	Intraspecific Variability of Stinging Nettle (<i>Urtica dioica</i> L.). 2023 , 28, 1505	0
117	The involvement of metallothioneins and stress markers in response to osmotic stress in <i>Avena sativa</i> L..	0
116	Dose optimization of silicon for boosting Arbuscular Mycorrhizal fungi colonization and cadmium stress mitigation in maize (<i>Zea mays</i> L.).	0
115	Exogenous Melatonin Application Induced Morpho-Physiological and Biochemical Regulations Conferring Salt Tolerance in <i>Ranunculus asiaticus</i> L.. 2023 , 9, 228	1
114	Bioactive Extracts from <i>Salicornia ramosissima</i> J. Woods Biorefinery as a Source of Ingredients for High-Value Industries. 2023 , 12, 1251	0
113	How to Efficiently Produce the Selenium-Enriched Cucumber Fruit with High Yield and Qualities via Hydroponic Cultivation? The Balance between Selenium Supply and CO ₂ Fertilization. 2023 , 13, 922	0
112	Iron and zinc biofortification and bioaccessibility in carrot âDordogneâ Comparison between foliar applications of chelate and sulphate forms. 2023 , 312, 111851	0
111	Assessment of romaine lettuce cultivars grown in a vertical hydroponic system at two levels of LED light intensity. 2023 , 313, 111913	1
110	Salicylic Acid Application Improves Photosynthetic Performance and Biochemical Responses to Mitigate Saline Stress in Cotton.	0
109	Zn Supplementation Mitigates Drought Effects on Cotton by Improving Photosynthetic Performance and Antioxidant Defense Mechanisms. 2023 , 12, 854	0
108	In vivo and In vitro evaluation of the antifungal activity of the PGPR <i>Bacillus amyloliquefaciens</i> RaSh1 (MZ945930) against <i>Alternaria alternata</i> with growth promotion influences on <i>Capsicum annum</i> L. plants. 2023 , 22,	0

- 107 Demonstration of Borage Salinity Tolerance as affected by Si Application Through Biochemical and Physiological Responses, and Growth Attributes. ○
- 106 Arbuscular mycorrhizal symbiosis enhances perennial ryegrass growth during temperature stress through the modulation of antioxidant defense and hormone levels. **2023**, 195, 116412 ○
- 105 Cheap, cost-effective, and quick stress biomarkers for drought stress detection and monitoring in plants. **2023**, 28, 527-536 ○
- 104 Exogenous melatonin alleviates cadmium-induced inhibition of growth and photosynthesis through upregulating antioxidant defense system in strawberry. **2023**, 157, 10-18 ○
- 103 Improving chlorophyll content detection to suit maize dynamic growth effects by deep features of hyperspectral data. **2023**, 297, 108929 ○
- 102 Life on the edge: Adaptations of *Posidonia oceanica* to hypersaline conditions in a Mediterranean lagoon system. **2023**, 210, 105320 ○
- 101 In situ forming dialdehyde xanthan gum-gelatin Schiff-base hydrogels as potent controlled release fertilizers. **2023**, 875, 162660 ○
- 100 Insight into chilling stress response of key citrus grafting combinations grown in Egypt. **2023**, 8, 100155 ○
- 99 Salinity affects the efficiency of a brackish aquaponics system of sea bass (*Dicentrarchus labrax*) and rock samphire (*Crithmum maritimum*). **2023**, 571, 739493 ○
- 98 Growth conditions impact particulate absorption and pigment concentrations in two common bloom forming cyanobacterial species. **2023**, 125, 102432 ○
- 97 Aquaculture sediments amended with biochar improved soil health and plant growth in a degraded soil. **2023**, 191, 114899 ○
- 96 Sodium oleate potentiates the concurrent overproduction of lipids and carotenoids in *Chlorella vulgaris* towards biofuel and nutraceutical applications. **2023**, 346, 128307 ○
- 95 Expression of TaNCL2-A ameliorates cadmium toxicity by increasing calcium and enzymatic antioxidants activities in arabidopsis. **2023**, 329, 138636 ○
- 94 Erythroprotective Potential of Phycobiliproteins Extracted from *Porphyridium cruentum*. **2023**, 13, 366 ○
- 93 24-Epibrassinolide in the Flowering Stage Mitigates the Effects of Temporary Drought Stress and Favors the Post-stress Recovery in Soybean. ○
- 92 Silicon-Induced Mitigation of Low-Temperature Stress in Sugarcane. **2022**, 215-229 ○
- 91 Beneficial properties of *Drimia numidica* leaf methanolic extract against the cytogenotoxic effects of mitomycin C on human lymphocytes. **2023**, 173, 113626 1
- 90 Growth and functional leaf traits of coppice regrowth of *Bertholletia excelsa* during an El Niño event in the central Amazon. **2023**, 53, 9-19 ○

- 89 Effect of Low R:FR Ratio on Nitrogen Assimilation and NRT Gene Expression in Pakchoi under Excessive Nitrate Stress. **2023**, 9, 159 ○
- 88 Overexpression of an autophagy-related gene DiATG3 from *Davidia involucrata* improves plant thermotolerance by enhancing the accumulation of polyamines and regulating genes in calcium and MAPK signaling pathways. **2023**, 208, 105235 ○
- 87 Nitric oxide regulates spearmint (*Mentha spicata* L.) responses to phenolic acids: growth, phenolics, and antioxidant capacity. 1-15 ○
- 86 Application of Potassium Humate and Salicylic Acid to Mitigate Salinity Stress of Common Bean. **2023**, 13, 448 1
- 85 Stromal Ascorbate Peroxidase (OsAPX7) Modulates Drought Stress Tolerance in Rice (*Oryza sativa*). **2023**, 12, 387 ○
- 84 Phenolic Acids and Amaryllidaceae Alkaloids Profiles in *Leucosium aestivum* L. In Vitro Plants Grown under Different Light Conditions. **2023**, 28, 1525 ○
- 83 A delay in the senescence during a rehydration following soil drought is a precondition for limiting yield loss in triticale. **2023**, 37, 69-78 ○
- 82 Establishment of seed biopriming in salt stress mitigation of rice plants by mangrove derived *Bacillus* sp.. **2023**, 48, 102626 1
- 81 Transcriptomic, osmoregulatory and translocation changes modulates Ni toxicity in *Theobroma cacao*. **2023**, 196, 624-633 ○
- 80 Juvenile Leaf Color Changes and Physiological Characteristics of *Acer tutcheri* (Aceraceae) during the Spring Season. **2023**, 14, 328 ○
- 79 Carboxylic Acid-Functionalized Multi-Walled Carbon Nanotubes (COOH-MWCNTs) Elicit Concordant Variations in DNA Cytosine Methylation, Gene Expression, Growth, Morphogenesis, Metabolism, and Callogenesis in *Salvia nemorosa*; An In Vitro Biological Assessment. ○
- 78 NaCl effect on Cd accumulation and cell compartmentalization in barley. **2023**, 30, 49215-49225 ○
- 77 Comparative Analysis of Morphological, Physiological, Anatomic and Biochemical Responses in Relatively Sensitive *Zinnia elegans* 'Zinnita Scarlet' and Relatively Tolerant *Zinnia marylandica* 'Double Zahara Fire Improved' under Saline Conditions. **2023**, 9, 247 ○
- 76 Prospects for the Use of *Sorghum Bicolor* for Phytoremediation of Soils Contaminated with Heavy Metals in Temperate Climates. **2023**, 263-301 ○
- 75 Simultaneous extraction of chlorophylls, proteins, and carbohydrates from isolated *Chlorella thermophila* using a triphasic separation technique: A biorefinery approach. ○
- 74 Purification efficiency of *Pyropia*-processing wastewater and microalgal biomass production by the combination of *Chlorella* sp. C2 cultivated at different culture temperatures and chitosan. **2023**, 373, 128730 ○
- 73 Physiological and Biochemical Responses of *Solanum lycopersicum* L. to Benzo[a]pyrene Contaminated Soils. **2023**, 24, 3741 ○
- 72 Composite phosphorylated-modified rice straw prepared for highly effective immobilisation of cadmium in agriculture contaminated soil. **2023**, 19, 495-505 ○

- 71 The alga *Bracteacoccus bullatus* (Chlorophyceae) isolated from snow, as a source of oil comprising essential unsaturated fatty acids and carotenoids. **2023**, 35, 649-660 ○
- 70 Reflectance-based non-destructive assessment of total carotenoids in tomato fruits. ○
- 69 Synergistic Impact of Melatonin and Putrescine Interaction in Mitigating Salinity Stress in Snap Bean Seedlings: Reduction of Oxidative Damage and Inhibition of Polyamine Catabolism. **2023**, 9, 285 ○
- 68 Hormesis Responses of Growth and Photosynthetic Characteristics in *Lonicera japonica* Thunb. to Cadmium Stress: Whether Electric Field Can Improve or Not?. **2023**, 12, 933 ○
- 67 Combined Effects of Cytokinin and UV-C Light on Phenolic Pattern in *Ceratonía siliqua* Shoot Cultures. **2023**, 13, 621 ○
- 66 Spinach Responds to Minimal Nutrient Supplementation in Aquaponics by Up-Regulating Light Use Efficiency, Photochemistry, and Carboxylation. **2023**, 9, 291 1
- 65 Raspberry plant stress detection using hyperspectral imaging. ○
- 64 Nutrient and Nutraceutical Quality of Rocket as a Function of Greenhouse Cover Film, Nitrogen Dose and Biostimulant Application. **2023**, 13, 638 ○
- 63 Responses of the Growth Characteristics of Spinach to Different Moisture Contents in Soil under Irrigation with Magnetolectric Water. **2023**, 13, 657 ○
- 62 ASSVd infection inhibits the vegetative growth of apple trees by affecting leaf metabolism. 14, ○
- 61 Photosynthetic and antioxidants-related properties in blueberry under low- and high-density covering material. ○
- 60 Use of Multivariate Analysis in Screening for Drought Tolerance in Ornamental Asteraceae Species. **2023**, 13, 687 ○
- 59 An in Vitro Approach to Investigate the Role of Abscisic Acid in Alleviating the Negative Effects of Chilling Stress on Banana Shoots. **2023**, 92, 1695-1711 ○
- 58 Could meta-Topoline improve the multiplication and rooting of micropropagated walnut plants? â case study with â(*Juglans regia* L.). **2023**, 87-94 ○
- 57 Cultivation of *Pseudochlorella pringsheimii* for biodiesel production in a scalable indoor photobioreactor: case studies from Egypt. **2023**, 21, ○
- 56 Effects of microbial biostimulants (*Trichoderma album* and *Bacillus megaterium*) on growth, quality attributes, and yield of onion under field conditions. **2023**, 9, e14203 ○
- 55 Effect of LED lighting on the rooting of micropropagated raspberry (*Rubus idaeus* L.) plants. **2023**, 113-122 ○
- 54 Use of a Biostimulant to Mitigate the Effects of Excess Salinity in Soil and Irrigation Water in Tomato Plants. **2023**, 12, 1190 ○

- 53 Decreasing photosystem antenna size by inhibiting chlorophyll synthesis: A double-edged sword for photosynthetic efficiency. **2023**, 2, 46-58 ○
- 52 *Glomus mosseae* improved the adaptability of alfalfa (*Medicago sativa* L.) to the coexistence of cadmium-polluted soils and elevated air temperature. 14, ○
- 51 The multifaceted roles of R2R3 transcription factor H1MYB7 in the regulation of flavonoid and bitter acids biosynthesis, development and biotic stress tolerance in hop (*Humulus lupulus* L.). **2023**, 197, 107636 ○
- 50 Effect of Water Deficit on Germination, Growth and Biochemical Responses of Four Potentially Invasive Ornamental Grass Species. **2023**, 12, 1260 ○
- 49 ZjFAS2 is involved in the fruit coloration in *Ziziphus jujuba* Mill. by regulating anthocyanin accumulation. 14, ○
- 48 Water and Nutrient Recovery for Cucumber Hydroponic Cultivation in Simultaneous Biological Treatment of Urine and Grey Water. **2023**, 12, 1286 ○
- 47 Floret Biofortification of Broccoli Using Amino Acids Coupled with Selenium under Different Surfactants: A Case Study of Cultivating Functional Foods. **2023**, 12, 1272 ○
- 46 Effect of Chitosan and Micro-Carbon-Based Phosphorus Fertilizer on Strawberry Growth and Productivity. **2023**, 9, 368 ○
- 45 Agronomic characteristics and quality of lettuce cultivars in different crop seasons in western Alagoas, Brazil. **2023**, 36, 106-114 ○
- 44 NO and GSH Alleviate the Inhibition of Low-Temperature Stress on Cowpea Seedlings. **2023**, 12, 1317 ○
- 43 The Effect of Quinolones on Common Duckweed *Lemna minor* L., a Hydrophyte Bioindicator of Environmental Pollution. **2023**, 20, 5089 ○
- 42 Effect of Colchicine Dose and Treatment Duration on Morphophysiological Characteristics of Bride Rose Poppy (*Papaver Fugax* Poir.) Using Different Explants. **2020**, 12, 69-79 ○
- 41 An efficient virus-induced gene silencing (VIGS) system for gene functional studies in *Miscanthus*. ○
- 40 Raspberry plant stress detection using hyperspectral imaging. **2023**, 7, ○
- 39 Profiling of carotenoid pigments and their antioxidant activities in ray florets of chrysanthemum (*Chrysanthemum morifolium*). **2018**, 88, 393-399 ○
- 38 Electron-transfer MALDI MS methodology for microalgae/phytoplankton pigments analysis. **2023**, 10, 102140 ○
- 37 Effect of selenium on salt signaling and tolerance in *Salicornia iranica*. 1-21 ○
- 36 Yield and Quality of Processing Tomato as Improved by Biostimulants Based on *Trichoderma* sp. and *Ascophyllum nodosum* and Biodegradable Mulching Films. **2023**, 13, 901 ○

- 35 Increasing Potato Sustainability to PVY under Water Deficiency by Bacillus Bacteria with Salicylic Acid and Methyl Jasmonate. **2023**, 14, 312-328 ○
- 34 Cultivating the Mediterranean Wild Edible Species Cichorium spinosum L. in Aquaponics: Functional and Growth Responses to Minimal Nutrient Supplementation. **2023**, 15, 5572 ○
- 33 Antioxidative and Structural Responses of Melissa officinalis to Salt Stress. **2022**, 69, ○
- 32 Quantum-Chemical and Experimental Study on the Interactions between the Magnetic Core and the Molecular Shell of Cobalt Ferrite Nanoparticles in Aqueous Suspensions. 1-14 ○
- 31 Rhizosphere-Associated Bacteria as Biofertilizers in Herbicide-Treated Alfalfa (Medicago sativa). ○
- 30 In vitro koşullarda farklı dozlarda bor uygulamalarının mersin (Myrtus communis L.) bitkisinin biyokimyasal özelliklerine etkileri. **2023**, 28, 46-58 ○
- 29 Effect of redroot pigweed interference on antioxidant enzyme and light response of common bean (Phaseolus vulgaris L.) depends on cultivars and growth stages. **2023**, 13, ○
- 28 The role of cyanoalanine synthase and alternative oxidase in promoting salt stress tolerance in Arabidopsis thaliana. **2023**, 23, ○
- 27 Interactive responses of water-soluble fertilizers to mitigate drought stress effects on wheat (T. aestivum). **2023**, 45, ○
- 26 Development and Characterization of Cultured Buttermilk Fortified with Spirulina plantensis and Its Physico-Chemical and Functional Characteristics. **2023**, 4, 271-284 ○
- 25 Effect of Leached and Co-Composted Organic Fraction of Municipal Solid Waste with Bulking Agents on Soil Properties and Sweet Pepper Plant Development Under Calcareous Soil. 1-17 ○
- 24 Foliar applied titanium dioxide nanoparticles (TiO₂ NPs) modulate growth, physiological and phytochemical traits in Melissa officinalis L. under various light intensities. **2023**, 197, 116642 ○
- 23 Waterlogging resistance and evaluation of physiological mechanism of three peach (Prunus persica) rootstocks. ○
- 22 Phenotypic Plasticity Strategy of Aeluropus lagopoides Grass in Response to Heterogenous Saline Habitats. **2023**, 12, 553 ○
- 21 Divergent contribution of the MVA and MEP pathways to the formation of polyprenols and dolichols in Arabidopsis. **2023**, 480, 495-520 ○
- 20 Evaluation of Drought Responses in Two Tropaeolum Species Used in Landscaping through Morphological and Biochemical Markers. **2023**, 13, 960 ○
- 19 Expression of the Ced-9 (Cell Death abnormal-9) gene in transgenic Chrysanthemum morifolium can enhance drought and salt tolerances. ○
- 18 Symptoms of Mn toxicity and the effect of salt on Mn toxicity and accumulation in the halophyte Lepidium latifolium. 1-22 ○

- 17 EjFAD8 Enhances the Low-Temperature Tolerance of Loquat by Desaturation of Sulfoquinovosyl Diacylglycerol (SQDG). **2023**, 24, 6946
- 16 Growth, Productivity, and Essential Oil Content of Fennel Plants Treated with *Spirulina Platensis* Extract and Compost Tea Under Low Nitrogen Doses.
- 15 Plants exposed to titanium dioxide nanoparticles acquired contrasting photosynthetic and morphological strategies depending on the growing light intensity: a case study in radish. **2023**, 13,
- 14 Droughts and Thermo-Priming Enhance Acclimation to Later Drought and Heat Stress in Maize Seedlings by Improving Leaf Physiological Activity. **2023**, 13, 1124
- 13 Impact of Different Fertilizer Sources under Supplemental Irrigation and Rainfed Conditions on Eco-Physiological Responses and Yield Characteristics of DragonâHead (*Lallemantia iberica*). **2023**, 12, 1693
- 12 Growth, antioxidant response and microcystin production by *Microcystis aeruginosa* exposed to the surfactant perfluorooctanesulfonic acid (PFOS). 1-9
- 11 Yield and Nutraceutical Value of Lettuce and Basil Improved by a Microbial Inoculum in Greenhouse Experiments. **2023**, 12, 1700
- 10 Anthocyanin synthesis is critical for melatonin-induced chromium stress tolerance in tomato. **2023**, 453, 131456
- 9 Genetic mapping and molecular characterization of the delayed green gene dg in watermelon (*Citrullus lanatus*). 14,
- 8 Acclimation of the Leaf Photosynthetic Apparatus and the Reproductive Sphere in *Dryas octopetala* L. Plants Introduced into Central Russia. **2023**, 16, 149-157
- 7 Individual and combined toxicity of sulfamethoxazole and desethylatrazine to *Chlorella vulgaris*: growth inhibition, photosynthetic activity and oxidative stress. 1-20
- 6 Growth and Quality of Leaf and Romaine Lettuce Grown on a Vertical Farm in an Aquaponics System: Results of Farm Research. **2023**, 13, 897
- 5 Alpine Diet in Valmalenco (Lombardy, Italy): Nutritional Features of Spontaneous Plants and Traditional Dishes. **2023**, 15, 1988
- 4 Physiological Characterization of *Tripidium arundinaceum* and Sugarcane (*Saccharum* spp.) Germplasm for Salinity Stress Tolerance at the Formative Stage. **2023**, 15, 6962
- 3 Essential Oil Composition and Antioxidant Activity of Oregano and Marjoram as Affected by Different Light-Emitting Diodes. **2023**, 28, 3714
- 2 Unraveling the Plant Growth-Promoting Mechanisms of *Stenotrophomonas* sp. CV83 for Drought Stress Tolerance and Growth Enhancement in Chickpea.
- 1 FsHemF is involved in the formation of yellow Forsythia leaves by regulating chlorophyll synthesis in response to light intensity. **2023**, 200, 107746