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## COPPER ENZYMES IN ISOLATED CHLOROPLASTS. POLYPHENOLOXIDASE IN BETA VULGARIS

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2216	Coassembly of Photosystem II and ATPase as Artificial Chloroplast for Light-Driven ATP Synthesis.		
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2210	The influence of triphosphopyridine nucleotide and other physiological substances upon oxygen evolution from illuminated chloroplasts. <b>1951</b> , 33, 120-42		33
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2035	Inhibitor Studies on Carbon Dioxide Fixation, Adenosine Triphosphate Formation, & Triphosphopyridine Nucleotide Reduction by Spinach Chloroplasts. <i>Plant Physiology</i> , <b>1963</b> , 38, 483-7	6.6	39
2034	Photosynthetic Reactions by Chloroplast Fragments of <i>Chlamydomonas reinhardi</i> . <i>Plant Physiology</i> , <b>1963</b> , 38, 542-5	6.6	2
2033	THE PHOTOREDUCTION OF IRON IN PHOTOSYNTHETIC PYRIDINE NUCLEOTIDE REDUCTASE. <b>1963</b> , 50, 652-7		18
2032	Changes in the concentrations of malic acid, citric acid, calcium and potassium in the leaves during the growth of normal and iron-deficient mustard plants ( <i>Sinapis alba</i> ). <b>1963</b> , 86, 484-94		19
2031	PURIFICATION OF PHENOL OXIDASES. <b>1963</b> , 7-24		10
2030	SEASONAL TRENDS IN RATES OF PHOTOSYNTHESIS AND RESPIRATION OF LOBLOLLY PINE AND WHITE PINE SEEDLINGS. <b>1963</b> , 50, 760-765		19
2029	Structural Requirements of Amitrole for Physiological Activity. <b>1964</b> , 12, 7		10
2028	Der einfluss des kinetins auf den RNS- und Protein-Stoffwechsel in abgeschnittenen, mit hemmstoffen behandelten tabakblättern. <b>1964</b> , 3, 241-248		45
2027	LACK OF EFFECT OF POLYVINYL ALCOHOL ON THE GROWTH OF CHLOROPHYLL CONTENT OF GREEN ALGAE. <b>1964</b> , 201, 213		1
2026	IRON NUTRITION FOR GROWTH AND CHLOROPHYLL DEVELOPMENT OF SOME PLANT TISSUE CULTURES. <b>1964</b> , 202, 1235-6		14
2025	SOME PROPERTIES OF DIFFERENTIALLY CENTRIFUGED PARTICULATE FRACTIONS FROM CHLOROPLASTS. <b>1964</b> , 203, 1263-5		21
2024	The effect of hadacidin on chloroplast development in non-dividing euglena cells. <b>1964</b> , 79, 221-225		37
2023	A soluble protein-chlorophyll complex from spinach chloroplasts. <b>1964</b> , 79, 234-240		15
2022	The photoinduction of transhydrogenase in Euglena. <b>1964</b> , 79, 412-415		6
2021	IRON-CONTAINING PROTEINS IN EUGLENA. II. FUNCTIONAL LOCALIZATION. <b>1964</b> , 88, 91-8		10
2020	Factors affecting the accuracy of chlorophylla and b determination by means of their paper chromatographic separation and colorimetric measurement in eluates. <b>1964</b> , 6, 132-141		3

2019	Die intracelluläre Lokalisation von Phenolasen im Tabakblatt. <b>1964</b> , 62, 137-159	13
2018	Inhibition of the ferricyanide-Hill reaction of isolated bean leaf chloroplasts by 3,5-diiodo-4-hydroxybenzotrile (ioxynil) and related compounds. <b>1964</b> , 54, 447-450	15
2017	THE EFFECT OF RED AND FAR RED LIGHT ON CAROTENOID AND CHLOROPHYLL FORMATION IN PEA SEEDLINGS. <b>1964</b> , 3, 243-247	36
2016	THIN-LAYER CHROMATOGRAPHY OF NATURALLY OCCURRING QUINONES AND HYDROQUINONES. <b>1964</b> , 7, 240-6	31
2015	Some biochemical investigations into the susceptibility of barley varieties to DDT. <b>1964</b> , 15, 846-855	11
2014	PROPERTIES OF A RIBONUCLEIC ACID SYNTHESIZING SYSTEM IN CELL-FREE EXTRACTS OF TOBACCO LEAVES. <b>1964</b> , 91, 205-16	8
2013	SITES OF SYNTHESIS AND TRANSPORT OF PHOTOSYNTHETIC PRODUCTS WITHIN THE LEAF CELL. <b>1964</b> , 82, 313-24	64
2012	Sulfur metabolism in higher plants. <b>1964</b> , 82, 58-66	43
2011	DNA-DEPENDENT RNA SYNTHESIS IN CHLOROPLASTS OF ACETABULARIA. <b>1964</b> , 87, 533-5	8
2010	A SOLUBLE COMPONENT OF THE HILL REACTION IN ANACYSTIS NIDULANS. <b>1964</b> , 104, 39-49	53
2009	LIGHT-INDUCED PH CHANGES RELATED PHOSPHORYLATION BY CHLOROPLASTS. <b>1964</b> , 107, 109-19	296
2008	Inhibition of greening of etiolated leaves by antinomycin D. <b>1964</b> , 14, 113-7	30
2007	Ricerche Comparate Sulla Morfologia e Sulla Fisiologia di Larix e di Picea. <b>1964</b> , 71, 171-176	10
2006	Ricerche Comparate Sulla Morfologia e Sulla fisiologia di Larix e di Picea. <b>1964</b> , 71, 145-151	7
2005	ACTION SPECTRUM FOR FERRICYANIDE PHOTOREDUCTION AND REDOX POTENTIAL OF CHLOROPHYLL 683. <b>1964</b> , 51, 1226-31	24
2004	Participation of Sulfhydryl Groups in Fatty Acid Synthesis by Chloroplast Preparations. <i>Plant Physiology</i> , <b>1964</b> , 39, 115-9	6.6 18
2003	Light-Dependent Conversions of Endogenous alpha-Tocopherylquinone and Plastoquinone-D in Spinacia Oleracea Chloroplasts. <i>Plant Physiology</i> , <b>1964</b> , 39, 33-6	6.6 20
2002	RELATION BETWEEN THE HILL REACTION ACTIVITY OF CHLOROPLASTS AND SHIFT OF THEIR ABSORPTION MAXIMUM WITH ADDITION OF METHANOL. <b>1964</b> ,	

2001	PHOTOPHOSPHORYLATION ACTIVITY OF CHLOROPLAST PARTICLES OBTAINED BY SONICAL TREATMENT. <b>1964</b> ,		
2000	EFFECT OF LIPASE-DIGESTION ON PHOTOCHEMICAL ACTIVITIES OF ISOLATED CHLOROPLASTS. <b>1964</b> , 5, 145-156	15	
1999	Seed Ripening in grasses: III. Change in chlorophyll and anthocyanin content. <b>1964</b> , 63, 397-402	3	
1998	Emerson Enhancement Effect in Chloroplast Reactions. <i>Plant Physiology</i> , <b>1964</b> , 39, 10-4	6.6	54
1997	Use of Pectic Enzymes in a Study of the Nature of Intercellular Cement of Tobacco Leaf Cells. <i>Plant Physiology</i> , <b>1964</b> , 39, 91-5	6.6	32
1996	Effect of Chloramphenicol on Light-Dependent Synthesis of Proteins and Enzymes of Leaves and Chloroplasts of <i>Phaseolus vulgaris</i> . <i>Plant Physiology</i> , <b>1964</b> , 39, 579-85	6.6	81
1995	Isolation of Plastoquinones C and D from Spinach Chloroplasts. <i>Plant Physiology</i> , <b>1964</b> , 39, 598-602	6.6	34
1994	Regulation of Photosynthesis in <i>Chlamydomonas reinhardi</i> . <i>Plant Physiology</i> , <b>1964</b> , 39, 889-97	6.6	37
1993	Proteinsynthese in grünen Blättern. <b>1964</b> , 154, 230-244		4
1992	The Effect of Metabolic Inhibitors on the Kinetin-Induced Changes in Glycolic Acid Oxidase Activity in Barley Leaves. <b>1965</b> , 156, 236-239		
1991	Natural Variations in the Physiological Characteristics of Growing <i>Chlorella</i> Cultures. <i>Plant Physiology</i> , <b>1965</b> , 40, 81-4	6.6	8
1990	Light and Dark CO <sub>2</sub> Fixation by Spinach Leaf Systems. <i>Plant Physiology</i> , <b>1965</b> , 40, 89-96	6.6	15
1989	Effects of Osmotic Water Stress on Metabolic Rates of Cotton Plants with Open Stomata. <i>Plant Physiology</i> , <b>1965</b> , 40, 229-34	6.6	80
1988	Comparative Studies of the Hill Activity of Differentially Centrifuged Chloroplast Fractions. <i>Plant Physiology</i> , <b>1965</b> , 40, 243-50	6.6	14
1987	Effect of desaspidin on photosynthetic phosphorylation. <i>Plant Physiology</i> , <b>1965</b> , 40, 1060-5	6.6	24
1986	Bicarbonate effects on the Hill reaction and photophosphorylation. <i>Plant Physiology</i> , <b>1965</b> , 40, 1074-9	6.6	29
1985	Ecological Studies on Two Closely Related Chaparral Shrubs in Southern California. <b>1965</b> , 35, 213-235		49
1984	An Analytic Study of the w-3 Genetic Lesion in <i>Zea mays</i> L. <i>Plant Physiology</i> , <b>1965</b> , 40, 433-6	6.6	1

1983	Cytochrome f and plastocyanin: their sequence in the photosynthetic electron transport chain of <i>Chlamydomonas reinhardi</i> . <b>1965</b> , 54, 1665-9		1313
1982	Comparative Physiological Ecology of an Arctic and Alpine Population of <i>Thalictrum Alpinum</i> L.. <b>1965</b> , 46, 721-727		39
1981	DAMAGE TO SPINACH CHLOROPLASTS INDUCED BY DARK PREINCUBATION WITH FERRICYANIDE. <i>Plant Physiology</i> , <b>1965</b> , 40, 303-11	6.6	29
1980	Chloroplast damage due to enzymatic hydrolysis of endogenous lipids. <i>Plant Physiology</i> , <b>1965</b> , 40, 725-35.6	6.6	114
1979	Benzimidazole Effect in Chloroplasts of Wheat Leaves. <i>Plant Physiology</i> , <b>1965</b> , 40, 1242-7	6.6	24
1978	Fractionation of Chlorophyll Forms from <i>Euglena</i> and Measurement of Light-Induced Absorbance Changes. <i>Plant Physiology</i> , <b>1965</b> , 40, 1086-90	6.6	9
1977	A mutant strain of <i>Chlamydomonas reinhardi</i> lacking ribulose diphosphate carboxylase activity. <b>1965</b> , 53, 987-90		24
1976	Relationship Between Red Light Mediated Glyceraldehyde-3-Phosphate Dehydrogenase Formation and Light Dependent Development of Photosynthesis. <i>Plant Physiology</i> , <b>1965</b> , 40, 57-61	6.6	38
1975	Effects of DCMU and Antimycin A on Photoassimilation of Glucose in <i>Chlorella</i> . <i>Plant Physiology</i> , <b>1965</b> , 40, 1151-6	6.6	30
1974	Correlation between Photosynthetic Activity and Membrane Integrity in Isolated Pea Chloroplasts. <i>Plant Physiology</i> , <b>1965</b> , 40, 1157-61	6.6	99
1973	EFFECT OF PLASTOCYANIN ON PHOTOPHOSPHORYLATION IN ISOLATED CHLOROPLASTS. <b>1965</b> ,		
1972	Selective Action of Solan on Tomato and Eggplant. <b>1965</b> , 13, 257		8
1971	RAPID SPECTROPHOTOMETRIC METHOD FOR ESTIMATING EPOXY CAROTENOIDS. <b>1965</b> , 12, 344-8		8
1970	Changes in carbohydrates, proteins and nucleic acids during cellular development in tomato fruit locule tissue. <b>1965</b> , 67, 242-253		58
1969	The occurrence and intracellular distribution of the plant sulpholipid in maize, runner beans, plant tissue cultures and <i>Euglena gracilis</i> . <b>1965</b> , 4, 741-749		35
1968	Seasonal Variations of Bioquinones and Tocopherol in Oak Leaves. <b>1965</b> , 18, 838-840		5
1967	Pigmentation of Tobacco Crown-Gall Tissues Cultured in vitro in Dependence of the Composition of the Medium. <b>1965</b> , 18, 933-940		66
1966	The Effect of 4-Hydroxy-3,5-Di-iodobenzonitrile on CO <sub>2</sub> Fixation, ATP Formation and NADP Reduction in Chloroplasts of <i>Vicia faba</i> L.. <b>1965</b> , 5, 75-77		10

1965	Some Characteristics of Eggplant and Avocado Polyphenolases. <b>1965</b> , 30, 930-936	31
1964	INHIBITION BY CHLORAMPHENICOL OF CHLOROPHYLL AND PROTEIN SYNTHESIS AND GROWTH IN EUGLENA GRACILIS. <b>1965</b> , 12, 96-100	31
1963	Regulatory aspects of chloroplast growth in leaves of <i>Xanthium pensylvanicum</i> and etiolated red kidney bean seedling leaves. <b>1965</b> , 60, 94-110	8
1962	Einfluß von Licht, Temperatur und Stickstoffernährung auf Wachstum und Chlorophyllgehalt der Chlorophyllmutantexantha 5 von <i>Lycopersicon esculentum</i> Mill. <b>1965</b> , 13, 247-256	2
1961	Inhibitors of photophosphorylation and photoreduction. <i>Plant Physiology</i> , <b>1965</b> , 40, 997-1002	6.6 14
1960	INHIBITORY EFFECT OF AMITROLE ON SCENEDESMUS QUADRICAUDA. <b>1965</b> , 52, 222-227	11
1959	CHLOROPLAST STRUCTURE AND FUNCTION IN CULTURED TOBACCO TISSUE. <b>1965</b> , 52, 798-804	38
1958	Biosynthesis of porphyrins in wheat leaves. I. Succinate:coA ligase (ADP). <b>1965</b> , 43, 1605-14	20
1957	Effect of carbonylcyanide m-chlorophenylhydrazone on the photochemical reactions of isolated chloroplasts. <b>1965</b> , 109, 284-92	49
1956	Studies on the red absorption band of chlorophyll a in vivo. <b>1965</b> , 102, 324-32	6
1955	Light effects on oxygen evolution and phosphorylation in spinach chloroplasts. <b>1965</b> , 102, 361-72	11
1954	Diquat (1,1'-ethylene-2,2'-dipyridylum dibromide) in photoreactions of isolated chloroplasts. <b>1965</b> , 109, 332-346	45
1953	Mechanism of the reduction of organic nitro compounds by chloroplasts. <b>1965</b> , 109, 357-71	24
1952	Compartmentation and reduction of pyridine nucleotides in relation to photosynthesis. <b>1965</b> , 109, 390-408	206
1951	Osmotic behavior of spinach chloroplasts. <b>1965</b> , 109, 424-30	34
1950	Changes in the intracellular levels of ATP, ADP, AMP and P1 and regulatory function of the adenylate system in leaf cells during photosynthesis. <b>1965</b> , 102, 39-54	206
1949	DEOXYRIBONUCLEIC ACID-DEPENDENT INCORPORATION OF AMINO ACIDS INTO THE PROTEINS OF CHLOROPLASTS ISOLATED FROM ANUCLEATE ACETABULARIA FRAGMENTS. <b>1965</b> , 95, 302-13	67
1948	A SOLUBLE FATTY ACID SYNTHESIZING SYSTEM FROM LETTUCE CHLOROPLASTS. <b>1965</b> , 98, 213-6	32



1947	The molecular biology of <i>Euglena gracilis</i> . I. Growth conditions and cellular composition. <b>1965</b> , 104, 11-7	47
1946	Kinetin-induced chloroplast maturation in cultures of tobacco tissue. <b>1965</b> , 149, 1387-8	112
1945	Action des rayons sur les réactions de photophosphorylation. <b>1965</b> , 102, 103-115	3
1944	THE EFFECTS OF STRUCTURAL DEGRADATION ON THE COUPLED PHOTOCHEMICAL ACTIVITIES OF ISOLATED CHLOROPLASTS. <b>1965</b> , 94, 31-41	23
1943	Virus infection and photosynthesis. 1. Increased photophosphorylation by chloroplasts from Chinese cabbage infected with turnip yellow mosaic virus. <b>1965</b> , 27, 243-52	26
1942	Evidence of the presence in xylem sap of substances with kinetin-like activity. <b>1966</b> , 5, 2061-2077	36
1941	Isolation of a possible coupling factor for photophosphorylation from chloroplasts of <i>Euglena gracilis</i> . <b>1966</b> , 117, 282-8	26
1940	Photophosphorylation by isolated chloroplasts of <i>Euglena gracilis</i> . <b>1966</b> , 24, 329-33	18
1939	P700 and cytochrome F in particles obtained by digitonin fragmentation of spinach chloroplasts. <b>1966</b> , 23, 874-9	42
1938	Fractionation of the photochemical systems of photosynthesis. I. Chlorophyll contents and photochemical activities of particles isolated from spinach chloroplasts. <b>1966</b> , 112, 403-21	314
1937	The taxonomic distribution of plastoquinone and tocopherolquinone and their intracellular distribution in leaves of <i>Vicia faba</i> L. <b>1966</b> , 112, 19-34	45
1936	Effects of ultraviolet radiation on the leaves of higher plants. <b>1966</b> , 6, 151-163	48
1935	The effect of nucleic acid synthesis inhibitors on the chlorophyll formation by etiolated bean leaves. <b>1966</b> , 23, 683-90	10
1934	EFFECT OF ATRAZINE ON <i>CHLORELLA VULGARIS</i> . <b>1966</b> , 53, 217-219	16
1933	LIGHT-INDUCED HIGH-AMPLITUDE SWELLING AND SHRINKING IN ISOLATED SPINACH CHLOROPLASTS. <b>1966</b> ,	
1932	STUDIES ON PROTEIN SYNTHESIS IN TOMATO COTYLEDONS AND LEAVES. II. INTERMEDIATE STAGES OF PROTEIN SYNTHESIS. <b>1966</b> ,	
1931	Biologische Ganzheitsforschung. <b>1966</b> , 114, 46-50	
1930	Incorporation of [ <sup>14</sup> C] carbon dioxide and [2- <sup>14</sup> C] mevalonic acid into terpenoids of higher plants during chloroplast development. <b>1966</b> , 99, 239-45	50

1929 Über das Verhalten der Triosephosphat-Dehydrogenasen in Wurzeln. **1966**, 157, 80-91

1928 Ribonucleinsäuren in Chloroplasten. **1966**, 157, 92-108

1927 Untersuchungen an stoffwechseldefekten Mutanten der Kulturtomate. **1966**, 157, 170-182

1926 Concerning the Preparation of Chloroplasts Active in Hill and Photosynthetic Phosphorylation Activities from Leaves of *Phaseolus vulgaris*. *Plant Physiology*, **1966**, 41, 1320-2 6.6 7

1925 Luminescence of chlorophyll in spinach chloroplasts induced by acid-base transition. **1966**, 55, 494-7 61

1924 Plant Productivity in Alpine Microenvironments on Mt. Washington, New Hampshire. **1966**, 36, 125-155 76

1923 Solubilization and properties of chloroplast lamellar protein. **1966**, 56, 1564-70 15

1922 ATP formation caused by acid-base transition of spinach chloroplasts. **1966**, 55, 170-7 445

1921 Construction of a simple nomogram for evaluating two-wavelength spectrophotometric determination of chlorophylls. **1966**, 8, 97-109 8

1920 Limitations for finding a linear relationship between chlorophyll content and photosynthetic activity. **1966**, 8, 336-346 41

1919 Studies on microbial antagonism in the establishment of clover pasture. **1966**, 25, 329-340 23

1918 Separation of phytolated and non-phytolated chlorophylls by thin-layer chromatography. **1966**, 17, 174-7 21

1917 The occurrence and seasonal distribution of higher isoprenoid alcohols in the plant kingdom. **1966**, 5, 969-975 32

1916 The oxidation of carotenoids by mitochondria from sugar beet leaves. **1966**, 5, 205-214 7

1915 Biochemical effects of tobacco etch virus infection on tobacco leaf tissue. **1966**, 5, 1181-1185 10

1914 [Photosynthetic oxidation of sulphide by green plants. II]. **1966**, 70, 172-86 10

1913 Interaction of benzimidazole and allantoin on the chlorophyll content of detached wheat leaves. **1966**, 53, 483-4 2

1912 [Kinin-like effect of trigonelline in the yellowing test]. **1966**, 53, 232-3 9

1911	[Light-color and differentiation of plastids in cell cultures of <i>Nicotiana tabacum</i> var. "Samsun"]. <b>1966</b> , 69, 58-69	58
1910	[Activity of ribonuclease in <i>Acetabularia</i> ]. <b>1966</b> , 68, 247-55	21
1909	[Intracellular localization and function of hydrolytic enzymes in tobacco]. <b>1966</b> , 70, 207-36	63
1908	[The effect of colored light on growth and composition of plant tissue cultures]. <b>1966</b> , 70, 285-303	18
1907	Studies on a barley mutant lacking chlorophyll b. I. Photochemical activity of isolated chloroplasts. <b>1966</b> , 126, 189-99	90
1906	Photoreduction of quinones by isolated spinach chloroplasts. <b>1966</b> , 126, 200-6	9
1905	N-tetramethyl-rho-phenylenediamine as a catalyst of photophosphorylation. <b>1966</b> , 112, 204-12	44
1904	Influence of cell division on the degree of streptomycin bleaching of <i>Euglena gracilis</i> . <b>1966</b> , 13, 20-3	8
1903	Biochemical effects of tobacco etch virus infection on tobacco leaf tissue. <b>1966</b> , 5, 1187-1189	13
1902	Chlorophyll Content of <i>Deschampsia flexuosa</i> Seedlings grown on a Calcareous and a Non-calcareous Soil. <b>1966</b> , 209, 1044-1045	8
1901	Distribution of Chlorophylls in Chloroplast Fragments. <b>1966</b> , 209, 615-615	12
1900	Presence of a Series of Plastoquinones in Plants. <b>1966</b> , 211, 1037-1039	29
1899	Role of Oxidative Enzymes in the Physiology of the Leaf Spot of Coffee Caused by <i>Mycena citricolor</i> 1. <b>1966</b> , 57, 375-384	1
1898	ROLE OF CAROTENOIDS IN PROTECTING CHLOROPHYLL FROM PHOTODESTRUCTION. STUDIES ON THE EFFECT OF FOUR MODIFIERS OF THE ALBINO c1 MUTANT OF MAIZE*. <b>1966</b> , 5, 797-805	28
1897	INFLUENCE, REVERSIBLE PAR LA LUMIERE ROUGE-CLAIR, DE COURTS CLAIREMENTS ROUGE-FONCE A LA FIN DE LA PHOTOPERIODE, SUR LA CROISSANCE ET LA TENEUR EN CHLOROPHYLLES DE MARCHANTIA POLYMORPHA L. <b>1966</b> , 5, 431-440	10
1896	Site of fluoride accumulation in navel orange leaves. <i>Plant Physiology</i> , <b>1966</b> , 41, 211-3	6.6 22
1895	Effects of Light Intensity on Photosynthetic Carboxylative Phase Enzymes and Chlorophyll Synthesis in Greening Leaves of <i>Hordeum vulgare</i> L. <i>Plant Physiology</i> , <b>1966</b> , 41, 913-8	6.6 70
1894	Requirement for plastoquinone a in the hill reaction of isolated chloroplasts. <i>Plant Physiology</i> , <b>1966</b> , 41, 633-40	6.6 10

1893	Changes in amino Acid content of excised leaves during incubation I. The effect of water content of leaves and atmospheric oxygen level. <i>Plant Physiology</i> , <b>1966</b> , 41, 1578-84	6.6	73
1892	Suppression of plant growth by nitrogen dioxide. <i>Plant Physiology</i> , <b>1966</b> , 41, 132-5	6.6	65
1891	Lipid synthesis in the presence of nitrogenous compounds in <i>Chlorella pyrenoidosa</i> . <i>Plant Physiology</i> , <b>1966</b> , 41, 506-9	6.6	21
1890	Photosynthetic electron transport chain of <i>Chlamydomonas reinhardi</i> . 3. Light-induced absorbance changes in chloroplast fragments of the wild type and mutant strains. <i>Plant Physiology</i> , <b>1966</b> , 41, 1293-300	6.6	105
1889	Differential effects of desaspidin on photosynthetic phosphorylation. <i>Plant Physiology</i> , <b>1966</b> , 41, 1376-80	6.6	14
1888	Effect of hydrolytic enzymes on the photosynthetic efficiency and morphology of chloroplasts. <i>Plant Physiology</i> , <b>1966</b> , 41, 1591-600	6.6	46
1887	Light dependent increase of triosephosphate dehydrogenase in pea leaves. <i>Plant Physiology</i> , <b>1966</b> , 41, 1213-7	6.6	14
1886	ENZYMES OF MARINE ALGAE: I. STUDIES ON PHENOLASE IN THE GREEN ALGA, <i>MONOSTROMA FUSCUM</i> . <b>1966</b> , 44, 551-561		13
1885	Organic Acid specificity for Acid-induced ATP synthesis by isolated chloroplasts. <i>Plant Physiology</i> , <b>1967</b> , 42, 706-11	6.6	26
1884	Inhibitory effect of peroxyacetyl nitrate on cyclic photophosphorylation by chloroplasts from black valentine bean leaves. <i>Plant Physiology</i> , <b>1967</b> , 42, 1419-22	6.6	15
1883	In Vitro Protein Synthesis by Plastids of <i>Phaseolus vulgaris</i> . I. Localization of Activity in the Chloroplasts of a Chloroplast Containing Fraction from Developing Leaves. <i>Plant Physiology</i> , <b>1967</b> , 42, 1179-86	6.6	44
1882	Enhancement of photosynthesis by alternated light beams and a kinetic model. <i>Plant Physiology</i> , <b>1967</b> , 42, 598-607	6.6	18
1881	Inhibition of photo-induced electron transport and related reactions in isolated chloroplasts by phenol. <i>Plant Physiology</i> , <b>1967</b> , 42, 573-7	6.6	11
1880	Biogenesis of chloroplast membranes. I. Plastid dedifferentiation in a dark-grown algal mutant ( <i>Chlamydomonas reinhardi</i> ). <b>1967</b> , 35, 521-52		237
1879	Temperature and plant adaptation. I. Interaction of temperature and light in the synthesis of chlorophyll in corn. <i>Plant Physiology</i> , <b>1967</b> , 42, 1711-5	6.6	81
1878	Early effects of illumination on the activity of some photosynthetic enzymes. <i>Plant Physiology</i> , <b>1967</b> , 42, 1-5	6.6	77
1877	Control of chlorophyll production in rapidly greening bean leaves. <i>Plant Physiology</i> , <b>1967</b> , 42, 774-80	6.6	73
1876	Carbon dioxide and the reduction of indophenol and ferricyanide by chloroplasts. <i>Plant Physiology</i> , <b>1967</b> , 42, 819-26	6.6	19

1875	Temperature features of enzymes affecting crassulacean Acid metabolism. <i>Plant Physiology</i> , <b>1967</b> , 42, 977-84	6.6	76
1874	An Electron Spin Resonance Study of Manganese in Wild-Type and Mutant Strains of <i>Chlamydomonas reinhardi</i> . <i>Plant Physiology</i> , <b>1967</b> , 42, 1643-7	6.6	2
1873	Intracellular localization of nitrate reductase, nitrite reductase, and glutamic Acid dehydrogenase in green leaf tissue. <i>Plant Physiology</i> , <b>1967</b> , 42, 233-7	6.6	137
1872	Comparative Studies on Plastoquinones. III. Distribution of Plastoquinones in Higher Plants. <i>Plant Physiology</i> , <b>1967</b> , 42, 1255-63	6.6	23
1871	Biogenesis of chloroplast membranes. II. Plastid differentiation during greening of a dark-grown algal mutant ( <i>Chlamydomonas reinhardi</i> ). <b>1967</b> , 35, 553-84		169
1870	Regulation of senescence in bean leaf discs by light and chemical growth regulators. <i>Plant Physiology</i> , <b>1967</b> , 42, 1757-62	6.6	77
1869	Structure and function of tomato leaf chloroplasts during ammonium toxicity. <i>Plant Physiology</i> , <b>1967</b> , 42, 1229-38	6.6	126
1868	Chloroplast Integrity and ATP-Dependent CO <sub>2</sub> Fixation in <i>Spinacia oleracea</i> . <i>Plant Physiology</i> , <b>1967</b> , 42, 1321-8	6.6	11
1867	The photosynthetic electron transport chain of <i>Chlamydomonas reinhardi</i> . VII. Photosynthetic phosphorylation by a mutant strain of <i>Chlamydomonas reinhardi</i> deficient in active P700. <i>Plant Physiology</i> , <b>1967</b> , 42, 1264-8	6.6	39
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1865	Anthocyanin formation as a response to ozone and smog treatment in <i>Rumex crispus</i> L. <i>Plant Physiology</i> , <b>1967</b> , 42, 1023-4	6.6	27
1864	Photosynthesis in Chlorophyllous Stem Tissue and Leaves of <i>Cercidium floridum</i> : Accumulation and Distribution of C from CO <sub>2</sub> . <i>Plant Physiology</i> , <b>1967</b> , 42, 1797-9	6.6	21
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1862	OXIDATION OF PHLORIDZIN BY ISOLATED CHLOROPLASTS. <b>1967</b> , 8, 241-247		4
1861	Volume contraction of isolated pea chloroplasts promoted by bivalent cations. <b>1967</b> , 102, 791-800		13
1860	Comparative studies on the activity of carboxylases and other enzymes in relation to the new pathway of photosynthetic carbon dioxide fixation in tropical grasses. <b>1967</b> , 103, 660-5		193
1859	Rates of photosynthesis by isolated chloroplasts. <b>1967</b> , 57, 1542-9		85
1858	Fissazione di C <sup>14</sup> O <sub>2</sub> in Colture di Tessuti Vegetali « in Vitro ». <b>1967</b> , 101, 161-166		1

1857	The relationship of cyclic and non-cyclic electron flow patterns with reduced indophenols to photophosphorylation. <b>1967</b> , 131, 526-37	22
1856	Wavelength-dependent quantum yields of chloroplast phosphorylation catalyzed by phenazine methosulphate. <b>1967</b> , 131, 548-58	21
1855	Purification and properties of a Mg <sup>2+</sup> -dependent ATPase from chloroplasts of <i>Euglena gracilis</i> . <b>1967</b> , 131, 571-9	12
1854	Distribution of plastoquinones in fractionated chloroplasts. <b>1967</b> , 131, 119-126	11
1853	2-Amino-1,1,3-tricyanopropene: A new inhibitor of oxygen evolution in photosynthesis. <b>1967</b> , 131, 201-203	1
1852	A light- and cysteine-activated ATP-P <sub>1</sub> exchange reaction in chloroplasts and its relationship to ATPase and photophosphorylation. <b>1967</b> , 143, 595-605	28
1851	Intracellular localisation of phosphoglycollate phosphatase and glyoxalate reductase. <b>1967</b> , 143, 642-4	29
1850	Digitonin incubation of spinach chloroplasts in tris (hydroxymethyl) methylglycine solutions of varying ionic strengths. <b>1967</b> , 143, 363-76	45
1849	Fractionation of the photochemical systems of photosynthesis. II. Cytochrome and carotenoid contents of particles isolated from spinach chloroplasts. <b>1967</b> , 143, 187-203	171
1848	Studies on the photooxidation of manganese by isolated chloroplasts. <b>1967</b> , 131, 339-49	13
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1845	Biochemical studies on the induction of chloroplast development in <i>Euglena gracilis</i> . II. Protein synthesis during induction. <b>1967</b> , 142, 486-92	9
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1842	Ion transport and conformational changes in spinach chloroplast grana. I. Osmotic properties and divalent cation-induced volume changes. <b>1967</b> , 121, 779-89	38
1841	Ribonucleic acid synthesizing activity of spinach chloroplasts and nuclei. <b>1967</b> , 121, 336-45	57
1840	ATP hydrolysis caused by acid-base transition of spinach chloroplasts. <b>1967</b> , 120, 365-70	48

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1837	Photoreactivation of manganese catalyst in photosynthetic oxygen evolution. <b>1967</b> , 28, 89-95	35
1836	Energy sources for photosynthetic carbon dioxide fixation. <b>1967</b> , 29, 532-7	6
1835	Effects of puromycin aminonucleoside on growth and chloroplast development of <i>Euglena gracilis</i> . <b>1967</b> , 47, 237-45	4
1834	Photosynthetic system II: racial differentiation in <i>Typha latifolia</i> . <b>1967</b> , 156, 1363	14
1833	A mutagenic effect of visible light mediated by endogenous pigments in <i>Euglena gracilis</i> . <b>1967</b> , 158, 1332-4	25
1832	Growth of Isolated Mesophyll Cells of <i>Arachis hypogaea</i> in Simple Defined Medium in vitro. <b>1967</b> , 158, 1575-7	11
1831	Chlorophyll and total nitrogen in barley rust infection. <b>1967</b> , 50, 397-IN2	7
1830	QUINONE DISTRIBUTION IN HORSE-CHESTNUT CHLOROPLASTS, GLOBULES AND LAMELLAE. <b>1967</b> , 54, 365-374	6
1829	A light-triggered adenosine triphosphate-phosphate exchange reaction in chloroplasts. <b>1967</b> , 2, 318-26	64
1828	On the Role of Chloroplasts in the Tobacco mosaic virus Reproduction1). <b>1967</b> , 59, 72-82	11
1827	USE OF DIMETHYL SULFOXIDE AS A CARRIER FOR IRON IN NUTRITIONAL FOLIAR SPRAYS APPLIED TO CITRUS*. <b>1967</b> , 141, 148-158	33
1826	THE EFFECT OF INHIBITORS AND UNCOUPLERS OF PHOTOSYNTHETIC PHOSPHORYLATION ON THE DELAYED LIGHT EMISSION OF CHLOROPLASTS*. <b>1967</b> , 6, 189-197	58
1825	Untersuchungen an stoffwechseldefekten Mutanten der Kulturtomate. <b>1967</b> , 15, 75-83	3
1824	Physiologische Untersuchungen an der Mutantechloronerva von <i>Lycopersicon esculentum</i> Mill. <b>1967</b> , 15, 255-266	15
1823	[Hill reaction and photophosphorylation of isolated chloroplasts in relation to water content : II. Removal of water by CaCl <sub>2</sub> ]. <b>1967</b> , 73, 109-37	39
1822	[Hill reaction and photophosphorylation of isolated chloroplasts in relation to water content : I. Removal of water by means of concentrated solutions]. <b>1967</b> , 73, 91-108	48

1821	Large-scale autotrophic culture of <i>Euglena gracilis</i> . <b>1967</b> , 14, 297-9	26
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1819	Photosynthetic and Dark Fixation of $^{14}\text{CO}_2$ in Detached Soybean Cotyledons. <b>1967</b> , 20, 1-5	20
1818	Copper Oxidases in Thalli of the Liverwort <i>Marchantia polymorpha</i> . <b>1967</b> , 20, 932-945	4
1817	Acetate repression of chlorophyll synthesis in <i>Euglena gracilis</i> . <b>1967</b> , 213, 1127-8	25
1816	Quantum Yield of Ferrocyclochrome c Photo-oxidation in Chloroplast Particles. <b>1967</b> , 213, 1187-1189	10
1815	Control of Leaf Senescence by Growth Retardants. <b>1967</b> , 213, 311-312	14
1814	Effect of Water Stress on the Photochemical Activity of Chloroplasts. <b>1967</b> , 213, 418-419	42
1813	Nuclear control of a cytoplasmic enzyme in <i>Acetabularia</i> . <b>1967</b> , 216, 554-7	54
1812	FOLIAR SENESCENCE IN <i>PERILLA FRUTESCEXS</i> (L.) BRITT. <b>1967</b> , 66, 545-552	19
1811	A common solvent impurity resembling a tocopherol. <b>1967</b> , 31, 247-50	
1810	Chlorophyll synthesis in tobacco callus: interaction of sugar and kinetin. <b>1967</b> , 23, 968	7
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1808	[On resistance of the gramineous plant <i>Imperata cylindrica</i> L. to the effective herbicidal agent Simazin]. <b>1968</b> , 24, 217	3
1807	A physiological study of <i>Teucrium scorodonia</i> ecotypes which differ in their susceptibility to lime-induced chlorosis and iron-deficiency chlorosis. <b>1968</b> , 28, 81-105	24
1806	THE LIGHT REQUIREMENT OF ACID-BASE TRANSITION INDUCED LUMINESCENCE OF CHLOROPLASTS. <b>1968</b> , 8, 107-113	45
1805	Kinetics of chloroplast-mediated photooxidation of diketoglucuronate. <b>1968</b> , 7, 211-24	22
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1801	Separation and estimation of quinones and alpha-tocopherol from Vicia faba leaves. <b>1968</b> , 36, 504-11	9
1800	[Influence of cytokinins on the formation of photosynthetic enzymes in rye seedlings]. <b>1968</b> , 84, 11-29	67
1799	Revival of respiration and photosynthesis in dried leaves of Polypodium polypodioides. <b>1968</b> , 83, 185-206	65
1798	The survival of chloroplasts in vitro: Particle volume distribution patterns as a criterion for assessing the degree of integrity of isolated chloroplasts. <b>1968</b> , 83, 20-34	21
1797	Effects of a growth retardant, CCC, on leaf growth in Phaseolus vulgaris. <b>1968</b> , 80, 328-343	12
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1793	[Studies on the light-induced ATP-Pi exchange reaction with spinach chloroplasts]. <b>1968</b> , 79, 222-34	2
1792	[Investigations on the distribution of manganese between cell fractions from spinach leaves]. <b>1968</b> , 79, 235-48	2
1791	Einbau von <sup>32</sup> P in verschiedene Phosphatfraktionen, besonders Polyphosphate, bei einzelligen Grünalgen (Ankistrodesmus braunii) im Licht und im Dunkeln. <b>1968</b> , 62, 56-71	25
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1789	Intracellular localization of CO <sub>2</sub> metabolism enzymes in cactus phylloclades. <b>1968</b> , 7, 903-911	33
1788	Properties and intracellular distribution of cytidine and uridine diphosphokinases of cucumber cotyledons. <b>1968</b> , 7, 1271-1278	5
1787	The alkaloids of Papaver somniferum L. <b>1968</b> , 7, 181-187	30
1786	Distribution of carbonic anhydrase in relation to the C <sub>4</sub> pathway of photosynthesis. <b>1968</b> , 7, 581-584	87

1785	PHOTOSYNTHESIS AND RESPIRATION IN RELATION TO LEAF AGE IN PERILLA FRUTESCENS (L.) BRITT. <b>1968</b> , 67, 79-86	52
1784	THE ONSET OF PHOTOPHOSPHORYLATION IN CHLOROPLASTS ISOLATED FROM DEVELOPING BEAN LEAVES. <b>1968</b> , 67, 461-468	62
1783	Genetic variation in diploid dactylis II. Emergence date and some morphological and physiological leaf characters. <b>1968</b> , 23, 369-386	6
1782	Determining the Stoichiometry of Photosynthetic Phosphorylation. <b>1968</b> , 218, 386-388	28
1781	Genetic and physiological adaptation in the Hill reaction of Deschampsia caespitosa. <b>1968</b> , 219, 1066-7	27
1780	Biosynthesis of kaurene, squalene and phytoene from mevalonate-2-14C in a cell-free system from pea fruits. <b>1968</b> , 7, 2003-2020	75
1779	Chemical and ultrastructural relationships between alfalfa leaf chloroplasts and bloat. <b>1968</b> , 7, 355-364	19
1778	Distribution of the C4-dicarboxylic acid pathway of photosynthesis and its occurrence in dicotyledonous plants. <b>1968</b> , 7, 375-380	86
1777	Carboxydismutase Activity in Shade-adapted and Sun-adapted Species of Higher Plants. <b>1968</b> , 21, 1-10	159
1776	Carbonic Anhydrase in the Marine Alga Ulva pertusa. <b>1968</b> , 21, 292-297	13
1775	Photomorphogenic and Chlorophyll Studies in the Bryophyte Marchantia polymorpha. <b>1968</b> , 21, 346-359	24
1774	The photoactivation of a phosphopyruvate synthase in leaves of Amaranthus palmeri. <b>1968</b> , 30, 483-8	53
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1772	A new coupling factor for photophosphorylation. <b>1968</b> , 32, 1045-9	11
1771	An NADP-dependent L-glutamate dehydrogenase from chloroplasts of Vicia faba L. <b>1968</b> , 32, 685-90	63
1770	Regulation of electron transport in photosynthesis. <b>1968</b> , 31, 582-7	5
1769	Normal photosynthesis by isolated chloroplasts. <b>1968</b> , 32, 413-20	37
1768	Membrane permeability and internal volume as factors in ATP synthesis by spinach chloroplasts. <b>1968</b> , 128, 351-9	43

1767	Energy-transfer inhibitors and electron transport inhibitors in chloroplasts. <b>1968</b> , 123, 447-56	37
1766	Effect of alkyldinitrophenols on photophosphorylation in chloroplasts. <b>1968</b> , 7, 3507-12	7
1765	Site of manganese function in photosynthesis. <b>1968</b> , 153, 819-37	74
1764	Analysis of light-induced proton uptake in isolated chloroplasts. <b>1968</b> , 153, 878-88	67
1763	Quantitative thin-layer chromatography of chlorophylls and carotenoids from marine algae. <b>1968</b> , 162, 271-85	151
1762	Electron paramagnetic resonance signal produced by ferricyanide in photosynthetic plant materials. <b>1968</b> , 162, 286-9	5
1761	The stabilization of chloroplast function. <b>1968</b> , 153, 154-69	42
1760	Chlorotri-n-butylin. An inhibitor of photophosphorylation in isolated chloroplasts. <b>1968</b> , 153, 203-10	46
1759	Glycollate metabolism in photosynthesising tissue. <b>1968</b> , 153, 260-9	6
1758	Oxidation-reduction potentials and stoichiometry of electron transfer in ferredoxins. <b>1968</b> , 153, 602-13	222
1757	The fluorescence properties of manganese-deficient spinach chloroplasts. <b>1968</b> , 162, 122-34	19
1756	Electrolyte exchange in isolated spinach chloroplasts. <b>1968</b> , 150, 32-40	11
1755	Actions of acute gamma radiation on excised wheat leaf tissue. <b>1968</b> , 8, 389-397	12
1754	Isolation of mutants of <i>Euglena gracilis</i> with impaired photosynthesis. <i>Plant Physiology</i> , <b>1968</b> , 43, 1284-90.6	22
1753	Mineral requirements for the growth of <i>Anabaena spiroides</i> in vitro. <b>1968</b> , 46, 619-630	19
1752	Ecology of <i>Phragmites communis</i> . I. Photosynthesis of a single shoot in situ. <b>1968</b> , 46, 549-555	8
1751	Fluorescence Properties of Wild-Type <i>Chlamydomonas reinhardi</i> and Three Mutant Strains Having Impaired Photosynthesis. <i>Plant Physiology</i> , <b>1968</b> , 43, 1049-55	6.6 29
1750	Oxygen evolution and the permeability of the outer envelope of isolated whole chloroplasts. <i>Plant Physiology</i> , <b>1968</b> , 43, 1597-604	6.6 53

1749	Stimulation of photoreactions of isolated chloroplasts by serum albumin. <i>Plant Physiology</i> , <b>1968</b> , 43, 1249-54	6.6	45
1748	Chlorophyll changes, photosynthesis, and ultrastructure of chloroplasts in <i>Albugo candida</i> induced "green islands" on detached <i>Brassica juncea</i> cotyledons. <b>1968</b> , 46, 1229-1234		27
1747	Comparative Studies on Plastoquinones. IV. Plastoquinones in Algae. <i>Plant Physiology</i> , <b>1968</b> , 43, 1935-406.6		30
1746	Effetto dei Ritardanti di Crescita Sulla Fosforilazione Ossidativa e Sulla Fotofosforilazione Ciclica. II. <b>1968</b> , 102, 73-80		2
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1744	Release of free fatty acids and loss of hill activity by aging spinach chloroplasts. <i>Plant Physiology</i> , <b>1968</b> , 43, 531-6	6.6	49
1743	Changes in Enzyme Levels During Germination of Seeds of <i>Triticum durum</i> . <i>Plant Physiology</i> , <b>1968</b> , 43, 260-4	6.6	22
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1741	Enhancement effects and the identity of the two photochemical reactions of photosynthesis. <b>1968</b> , 61, 989-96		58
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1735	Studien an <i>Cuscuta reflexa</i> R oxb .. <b>1968</b> , 159, 191-203		1
1734	Histochemische Untersuchungen über jahreszeitliche Veränderungen der Fermentaktivität und des Stärkegehaltes in Trieben einiger <i>Prunus</i> -Arten 1) 1) Teilauszug einer von der Sektion Gemüse-, Obst- und Zierpflanzenbau der Deutschen Akademie der Landwirtschaftswissenschaften zu Berlin angenommenen Dissertation. <b>1968</b> , 159, 215-232		
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1731	Studies on ferrochelatase. The enzymic formation of haem in proplastids, chloroplasts and plant mitochondria. <b>1968</b> , 108, 343-8		51
1730	Non-cyclic photophosphorylation by spinach grana treated with 0.8 M Tris buffer. <b>1968</b> ,		
1729	Physiological Effects of Fluometuron on Some Unicellular Algae. <b>1968</b> , 16, 296-299		24
1728	Effect of Certain Quinones, Diquat, and Diuron on <i>Chlorella pyrenoidosa</i> Chick. (Emerson strain). <b>1968</b> , 16, 69-73		19
1727	THE TRANSITION FROM FILAMENTOUS TO TWO-DIMENSIONAL GROWTH IN FERN GAMETOPHYTES. I. THE REQUIREMENT FOR PROTEIN SYNTHESIS IN GAMETOPHYTES OF <i>PTERIDIUM AQUILINUM</i> . <b>1968</b> , 55, 532-540		11
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1725	MEIOSIS IN VITRO: SPOROGENESIS IN CULTURED FERN PLANTS. <b>1968</b> , 55, 915-922		3
1724	GENETIC AND ENVIRONMENTAL CONTROL OF GLYCOLIC ACID OXIDASE ACTIVITY IN ECOTYPIC POPULATIONS OF <i>TYPHA LATIFOLIA</i> . <b>1969</b> , 56, 37-41		9
1723	Effects of Antibiotics, Inhibitors against Protein Synthesis, on Tobacco Mosaic Virus Multiplication and the Host Metabolism. <b>1969</b> , 35, 329-338		3
1722	Modes of Action of Pyridazinone Herbicides. <b>1969</b> , 17, 541-547		93
1721	Paramagnetic unit in spinach subchloroplast particles: estimation of size. <b>1969</b> , 165, 906-7		32
1720	Physiological Ecology of <i>Pinus ponderosa</i> in Southwestern North Dakota. <b>1969</b> , 81, 289		7
1719	Variations in Chlorophyll Concentration in the Foliage of Radiata Pine. <b>1969</b> , 33, 119-128		6
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1713	Reversal of copper inhibition in chloroplast reactions by manganese. <i>Plant Physiology</i> , <b>1969</b> , 44, 331-6	6.6	32
1712	Polygalactolipids in spinach chloroplasts. <i>Plant Physiology</i> , <b>1969</b> , 44, 1523-7	6.6	22
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1709	Kinetic Behavior of Electron Paramagnetic Resonance Signal I. II Comparison of Wild Type and Mutant (ac-206) <i>Chlamydomonas reinhardtii</i> . <i>Plant Physiology</i> , <b>1969</b> , 44, 1538-41	6.6	2
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1707	Photosynthetic light reactions in chemically fixed spinach thylakoids. <i>Plant Physiology</i> , <b>1969</b> , 44, 544-6	6.6	35
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1705	Photophosphorylation during Chloroplast Development in Red Kidney Bean. I. Characterization of the Mature System and the Effect of BSA and Sulfhydryl Reagents. <i>Plant Physiology</i> , <b>1969</b> , 44, 1515-22	6.6	11
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1703	Plastid development in albescence maize. <i>Plant Physiology</i> , <b>1969</b> , 44, 1609-18	6.6	27
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1700	THE ACTIVITIES OF THE PHOTOSYNTHETIC CARBON CYCLE ENZYMES OF GREENING BEAN LEAVES. <b>1969</b> , 68, 233-245		62
1699	THE GROWTH OF PEA LEAVES IN RELATION TO INTERNODE GROWTH AS AFFECTED BY GIBBERELIC ACID AND B-9. <b>1969</b> , 68, 305-312		2
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1697	[Light-induced, reversible increase in the activity of NADP-dependent glyceraldehyde-3-phosphate dehydrogenase in chloroplasts. On the mechanism of the reaction]. <b>1969</b> , 9, 101-6		88
1696	Starch Metabolism in Tobacco Leaves Infected with Tobacco Mosaic Virus1). <b>1969</b> , 65, 307-317		9

1695	Effects of nitrogen, phosphorus and potassium fertilizers on the assimilation capacity of <i>Beta vulgaris</i> chloroplasts (I). <b>1969</b> , 31, 65-76	24
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1690	The inheritance of white fruit and stem color in summer squash <i>Cucurbita pepo</i> L.. <b>1969</b> , 18, 249-255	6
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1675	Adenine nucleotide translocation across the membrane of isolated Acetabularia chloroplasts. <b>1969</b> , 35, 20-6	22
1674	Water soluble spinach chloroplast chlorophyll-protein complexes prepared without added detergents or organic solvents. <b>1969</b> , 34, 162-9	5
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1668	Uptake and light activated esterification of <sup>32</sup> P by isolated chloroplasts. <b>1969</b> , 180, 520-8	5
1667	Light dependence of temperature-induced bleaching in <i>Euglena gracilis</i> . <b>1969</b> , 180, 573-5	12
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1660	Alkaline inorganic pyrophosphatase of maize leaves. <b>1969</b> , 172, 150-7	51



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1654	Malate dehydrogenase in leaf peroxisomes. <b>1969</b> , 178, 11-20		78
1653	Function of chloroplast DNA. II. Studies on DNA-dependent RNA polymerase activity of tobacco chloroplasts. <b>1969</b> , 186, 358-72		52
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1650	Chloroplast DNA from broad bean. <b>1969</b> , 195, 434-45		24
1649	Characteristics of prompt and delayed fluorescence from spinach chloroplasts. <b>1969</b> , 9, 60-76		106
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1645	Acid-base induced calcium uptake by spinach chloroplasts. <b>1969</b> , 10, 751-757		
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1641	LIGHT-INDUCED OXIDATION OF A CHLOROPLAST B-TYPE CYTOCHROME AT -189 degrees C. <b>1969</b> , 63, 956-62		118
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1639	THE EFFECT OF LOW TEMPERATURE ON DRY MATTER PRODUCTION, CHLOROPHYLL CONCENTRATION AND PHOTOSYNTHESIS OF MAIZE PLANTS OF DIFFERENT AGES*. <b>1969</b> , 18, 39-49		31
1638	The Effect of Light on Bonding and Chlorophyll Content of Peas. <b>1969</b> , 19, 49-53		2
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1636	The relationship between productivity and some components of canopy structure in ryegrass ( <i>Lolium</i> spp.): I. Leaf length. <b>1969</b> , 73, 315-319		22
1635	Distribution of enzymes in mesophyll and parenchyma-sheath chloroplasts of maize leaves in relation to the C4-dicarboxylic acid pathway of photosynthesis. <b>1969</b> , 114, 489-98		171
1634	Untersuchungen zur Physiologie der Flechte <i>Cladonia convoluta</i> (L am ?.) P. C out 1) 1)Erweiterter Teil einer Dissertation der Nat. wiss. Fakultät der Universität Würzburg. <b>1969</b> , 160, 552-560		
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1617	PHOTOSYNTHESIS AND ZONATION OF FRESHWATER MACROPHYTES. <b>1970</b> , 69, 217-227	68
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1603	Rapid method for wet combustion and scintillation counting of 14C-labeled organic materials. <b>1970</b> , 33, 356-65	14
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1592	Enzymes of the glycolate pathway in relation to greening in <i>Euglena gracilis</i> . <b>1970</b> , 95, 127-32	17
1591	[The influence of red and blue light on the hill activity of <i>Acetabularia mediterranea</i> chloroplasts]. <b>1970</b> , 91, 32-7	14
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1562	The biosynthesis of steryl glucosides in plants. <i>Plant Physiology</i> , <b>1970</b> , 45, 255-62	6.6	65
1561	Inhibitory Effect of Carbohydrate on Flowering in <i>Lemna perpusilla</i> : II. Reversal by Glycine and l-Aspartate. Correlation with Reduced Levels of beta-Carotene and Chlorophyll. <i>Plant Physiology</i> , <b>1970</b> , 45, 687-90	6.6	14
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1559	A direct light effect on maintaining photosynthetic activity of <i>Nitella</i> chloroplasts. <b>1970</b> , 44, 305-9		4
1558	Chloroplast structure and function in ac-20, a mutant strain of <i>Chlamydomonas reinhardtii</i> . II. Photosynthetic electron transport. <b>1970</b> , 44, 540-6		21
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1556	Comparisons of Chlorophyll Content and Leaf Structure in Arctic and Alpine Grasses. <b>1970</b> , 83, 238		9
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1554	Ethylene production by detached leaves infected with tobacco mosaic virus. <b>1970</b> , 40, 1-9		51
1553	Metabolism of acetate-2- <sup>14</sup> C, glycine-2- <sup>14</sup> C, leucine-U- <sup>14</sup> C, and effect of $\delta$ -aminolevulinic acid on chlorophyll synthesis in Gateway barley and its mutant. <b>1970</b> , 48, 1171-1178		5
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1545	Sites of function of manganese within photosystem II. Roles in O <sub>2</sub> evolution and system II. <b>1970</b> , 197, 219-39	234
1544	Improvement in separation of system I and system II particles of photosynthesis obtained by digitonin treatment. <b>1970</b> , 197, 240-9	19
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1538	Characterization of chloroplast photosystems 1 and 2 separated by a non-detergent method. <b>1970</b> , 216, 162-78	281
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1534	A comparative study of photosynthetic electron transport in algal cells and spinach chloroplasts. <b>1970</b> , 205, 254-62	23

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1530	Ferredoxin-reducing substance (FRS) from spinach. II. Separation and assay. <b>1970</b> , 140, 152-7	28
1529	The effect of chloramphenicol and cycloheximide on lipid synthesis during chloroplast development in <i>Euglena gracilis</i> . <b>1970</b> , 139, 179-89	47
1528	Preparation of cellular plant organelles from spinach leaves. <b>1970</b> , 140, 398-407	82
1527	Glycolate dehydrogenase in green algae. <b>1970</b> , 141, 102-10	114
1526	Effect of hydrocarbon chain length on the uncoupling of photophosphorylation by amines. <b>1970</b> , 141, 198-206	23
1525	Effects of hydroxylamine on electron-transport system in chloroplasts. <b>1970</b> , 141, 207-18	20
1524	Characterization of ferredoxin from nutsedge, <i>Cyperus rotundus</i> L., and other species with a high photosynthetic capacity. <b>1970</b> , 141, 676-89	16
1523	Inactivation of energy-linked functions of chloroplasts by polyanions at low pH. <b>1970</b> , 138, 540-50	14
1522	Thiocyanato-indoles as energy-transfer inhibitors in photophosphorylation. <b>1970</b> , 138, 655-73	8
1521	The photosynthetic apparatus of <i>Euglena gracilis</i> . I. Adaptation to population density change. <b>1970</b> , 138, 598-605	11
1520	Ribulose diphosphate carboxylase. 3. Altered forms of ribulose diphosphate carboxylase from mutant tomato plants. <b>1970</b> , 137, 84-90	33
1519	Light-dependent consumption of oxygen by <i>Vicia faba</i> chloroplasts. <b>1970</b> , 139, 351-60	13
1518	Biosynthesis of proteins involved with photosynthetic activity in enucleated <i>Acetabularia</i> sp. <b>1970</b> , 217, 488-95	8
1517	A pH dependent alteration of photosystem II activity in tris washed chloroplasts. <b>1970</b> , 9, 321-323	5
1516	Hydrogen peroxide as the product of autoxidation of ferredoxin: Reduced either chemically or by illuminated chloroplasts. <b>1970</b> , 10, 21-24	35



1515	Effect of some organometallic compounds on the permeability of chloroplast membranes. <b>1970</b> , 10, 139-142	23
1514	The kinetics of the inactivation of thylakoid membranes by freezing and high concentrations of electrolytes. <b>1970</b> , 7, 71-8	35
1513	Adaptations of the photosynthetic apparatus of sun- and shade-grown yellow birch ( <i>Betula alleghaniensis</i> Britt.). <b>1970</b> , 48, 1681-1688	19
1512	Photosynthetic carbon fixation by isolated maize chloroplasts. <b>1970</b> , 40, 1356-61	25
1511	Purification of photosystem I reaction centers from spinach stroma lamellae. <b>1970</b> , 41, 206-10	22
1510	Enhancement of photophosphorylation and photoreduction by a chloroplast factor from spinach leaves. <b>1970</b> , 40, 642-8	5
1509	[18] Chloroplasts (and Grana): Aqueous (including high carbon fixation ability). <b>1971</b> , 23, 211-220	85
1508	Photosynthesis and photosynthate distribution in Douglas-fir strobili grafted to young seedlings. <b>1971</b> , 49, 13-17	10
1507	The influence of two naturally occurring factors, from the leaves of <i>Ricinus communis</i> , on the fluorescence induction of higher plant chloroplasts and intact algae. <b>1971</b> , 11, 189-203	2
1506	Structural differentiation of stacked and unstacked chloroplast membranes. Freeze-etch electron microscopy of wild-type and mutant strains of <i>Chlamydomonas</i> . <b>1971</b> , 48, 594-619	163
1505	Studies on the expression of a mutant with abnormal cell division in <i>Chlamydomonas reinhardi</i> . <b>1971</b> , 64, 463-9	7
1504	Inhibition of chloroplast DNA synthesis by cycloheximide. <b>1971</b> , 61, 629-41	11
1503	Effect of certain quinone pesticides on acetate photometabolism and dark CO <sub>2</sub> fixation in <i>Chlorella</i> . <b>1971</b> , 1, 381-388	3
1502	Cofactor effects on enhancement in NADP reduction by chloroplasts. <b>1971</b> , 44, 491-6	8
1501	NADP-malate dehydrogenase: photoactivation in leaves of plants with Calvin cycle photosynthesis. <b>1971</b> , 43, 703-9	38
1500	Photosynthetic control in isolated spinach chloroplasts with endogenous and artificial electron acceptors. <b>1971</b> , 43, 359-66	39
1499	Effect of polyethylene glycol on heat inactivation of the Hill reaction. <b>1971</b> , 44, 958-62	8
1498	Photosystem I inhibition by polycations. <b>1971</b> , 45, 538-43	20

1497	Polyploidy and gene dosage effects on chloroplasts of fern gametophytes. <b>1971</b> , 67, 287-94	9
1496	Antitranspirant Effects on the Transpiration and Physiology of Tamarisk. <b>1971</b> , 7, 499-510	6
1495	Les effets du bromure d'hydium sur <i>Acetabularia mediterranea</i> . <b>1971</b> , 240, 96-108	10
1494	Membrane structure and function. II. Alterations in the photo-induced absorption changes after treatment of isolated chloroplasts with large pulses of the ruby laser. <b>1971</b> , 146, 627-34	3
1493	Wheat leaf RNA polymerases. I. Partial purification and characterization of nuclear, chloroplast and soluble DNA-dependent enzymes. <b>1971</b> , 146, 635-48	48
1492	Phosphoenolpyruvate carboxylase isoenzymes: separation and properties of three forms from cotton leaf tissue. <b>1971</b> , 143, 297-317	47
1491	A chloroplast-associated fatty acid synthetase system in <i>Euglena</i> . <b>1971</b> , 143, 392-400	34
1490	Amine uptake in chloroplasts. <b>1971</b> , 147, 55-65	89
1489	Uncoupling of photophosphorylation inhibition of proton binding by quaternary ammonium salts and zwitterionic buffers. <b>1971</b> , 147, 77-84	38
1488	The relation of the alteration of photosystem. II. Activity to the inhibition of energy transfer and the proton pump in tris-washed chloroplasts. <b>1971</b> , 147, 717-27	6
1487	Action spectra of the three light reactions in photosynthesis. <b>1971</b> , 245, 105-8	13
1486	Evidence for a two-directional hydrogen ion transport in chloroplasts of <i>Euglena gracilis</i> . <b>1971</b> , 245, 144-50	7
1485	Disproportionation of 1,5-diphenylcarbazone. A new reaction catalysed by photosystem I. <b>1971</b> , 253, 412-20	24
1484	Photosystem II activity of chloroplast fragments lacking P700. <b>1971</b> , 253, 421-7	19
1483	Trypsin inhibition of photosystem II. <b>1971</b> , 253, 428-36	52
1482	Photosynthetic phosphorylation in <i>Chlamydomonas reinhardi</i> . Effects of a mutation altering and ATP-synthesizing enzyme. <b>1971</b> , 253, 437-48	32
1481	Studies on the enzyme systems involved in electron and energy transfer in isolated chloroplasts. I. Effect of endogenous phosphate on the photophosphorylation coupled with noncyclic electron transport in intact chloroplasts. <b>1971</b> , 226, 360-5	5
1480	A coupling factor for photosynthetic phosphorylation from plastids of light- and dark-grown maize. <b>1971</b> , 226, 366-82	29

1479	Further evidence for stroma lamellae as a source of photosystem I fractions from spinach chloroplasts. <b>1971</b> , 226, 393-9	51
1478	On two photoreactions in system II of plant photosynthesis. <b>1971</b> , 226, 400-8	62
1477	Light-induced pH changes by cells of <i>Chlamydomonas reinhardtii</i> . Dependence on CO <sub>2</sub> uptake. <b>1971</b> , 226, 481-5	16
1476	Inhibitory site of carbonyl cyanide m-chlorophenylhydrazone in the electron transfer system of the chloroplasts. <b>1971</b> , 234, 92-102	36
1475	The methyl viologen-catalyzed Mehler reaction and catalase activity in blue-green algae and <i>Chlamydomonas reinhardtii</i> . <b>1971</b> , 245, 277-87	31
1474	Photochemical systems in mesophyll and bundle sheath chloroplasts of C <sub>4</sub> plants. <b>1971</b> , 245, 398-408	50
1473	Localization of photophosphorylation and proton transport activities in various regions of the chloroplast lamellae. <b>1971</b> , 245, 409-24	33
1472	Characterization of three classes of chloroplasts obtained by counter-current distribution. <b>1971</b> , 245, 425-38	52
1471	Multiple sites of DCIP reduction by sonicated oat chloroplasts: role of plastocyanin. <b>1971</b> , 245, 465-81	23
1470	Effects of various cations on separation of the two photochemical systems by digitonin treatment. <b>1971</b> , 226, 144-53	19
1469	Mutant strains of <i>Chlamydomonas reinhardtii</i> with lesions on the oxidizing side of photosystem II. <b>1971</b> , 226, 154-60	20
1468	[Relation between photosynthetic assimilation of CO <sub>2</sub> and phosphorylation of isolated chloroplasts. II. Utilization of ATP in photosynthetic assimilation of CO <sub>2</sub> ]. <b>1971</b> , 234, 344-52	8
1467	[Endogenous photophosphorylation of isolated spinach chloroplasts]. <b>1971</b> , 234, 353-9	11
1466	Reactions at 77 degrees K in photosystem 2 of green plants. <b>1971</b> , 234, 371-80	65
1465	pH control of the chlorophyll a fluorescence in algae. <b>1971</b> , 234, 428-32	17
1464	Plastocyanin participation in chloroplast photosystem I. <b>1971</b> , 234, 537-40	27
1463	Action spectra of photosystem I and photosystem II in spinach chloroplast grana and stroma lamellae. <b>1971</b> , 253, 208-12	14
1462	Sensitive fluorescence method for the determination of chlorophyll a-chlorophyll b ratios. <b>1971</b> , 253, 222-31	57

1461	Photosystem I and II chlorophyll-protein complexes of higher plant chloroplasts. <b>1971</b> , 253, 285-9	60
1460	Permeability of pea chloroplasts to alcohols and aldoses as measured by reflection coefficients. <b>1971</b> , 241, 200-12	40
1459	The distribution of galactolipids in mesophyll and bundle sheath chloroplasts of maize and sorghum. <b>1971</b> , 231, 412-4	32
1458	Resolution of chloroplast lamellar proteins by electrophoresis in polyacrylamide gels. Different patterns obtained with fractions enriched in either chlorophyll a or chlorophyll b. <b>1971</b> , 13, 313-317	37
1457	Proton translocation and energy dependent quenching of chlorophyll a fluorescence. <b>1971</b> , 16, 319-323	28
1456	On the pathway of electron transport in cyclic photophosphorylation. <b>1971</b> , 18, 55-58	21
1455	Photosynthetic control in broken spinach chloroplasts. <b>1971</b> , 14, 241-244	6
1454	Effects of atmospheric pollution on deciduous woodland I: Some effects on leaves of <i>Quercus petraea</i> (mattuschka) leibl. <b>1971</b> , 2, 57-68	30
1453	The Hill reaction and oxygen uptake in isolated pine chloroplasts. <b>1971</b> ,	
1452	A prolamellar body-like structure in <i>Chlamydomonas reinhardi</i> . <b>1971</b> , 50, 268-75	20
1451	AN ULTRASTRUCTURAL STUDY OF CHLOROPLAST STRUCTURE AND DEDIFFERENTIATION IN TISSUE CULTURES OF <i>STREPTANTHUS TORTUOSUS</i> (CRUCIFERAE). <b>1971</b> , 58, 172-181	23
1450	Depression of Carbohydrate in Marine Algae by Urea Herbicides. <b>1971</b> , 19, 568-570	7
1449	[4] Synchronously grown cultures of <i>Chlamydomonas reinhardi</i> . <b>1971</b> , 67-73	63
1448	[8] Tissue culture: plant. <b>1971</b> , 23, 96-109	4
1447	[65] Isolation of leaf peroxisomes. <b>1971</b> , 23, 665-682	22
1446	[37] Quinones in algae and higher plants. <b>1971</b> , 372-408	82
1445	Effects of adenine nucleotides on hydrogen-ion transport in chloroplasts. <b>1971</b> , 68, 2522-6	103
1444	Primary reactions of photosynthesis: photoreduction of a bound chloroplast ferredoxin at low temperature as detected by EPR spectroscopy. <b>1971</b> , 68, 16-9	186

1443	Reactions of photosystems I and II in spinach chloroplast fragments treated with ethylene glycol. <b>1971</b> , 12, 137-145		22
1442	The influence of glutathione upon light-induced high-amplitude swelling and lipid peroxideformation of spinach chloroplasts. <b>1971</b> ,		
1441	Biophysical studies on subcellular particles IV. The light scattering response and photosynthetic activities of spinach chloroplasts treated with n-alkanes. <b>1971</b> , 12, 859-868		3
1440	Formation of chlorophyll B, and the fluorescence properties and photochemical activities of isolated plastids from greening pea seedlings. <i>Plant Physiology</i> , <b>1971</b> , 47, 252-61	6.6	59
1439	Relationship between Photoconvertible and Nonphotoconvertible Protochlorophyllides. <i>Plant Physiology</i> , <b>1971</b> , 48, 383-8	6.6	17
1438	Three forms of cytochrome b 559 and their relation to the photosynthetic activity of chloroplasts. <b>1971</b> , 68, 3064-8		52
1437	Large Effects of Small Water Deficits on Chlorophyll Accumulation and Ribonucleic Acid Synthesis in Etiolated Leaves of Jack Bean ( <i>Canavalia ensiformis</i> [L.] DC.). <i>Plant Physiology</i> , <b>1971</b> , 47, 591-4	6.6	31
1436	Ribosome Synthesis in Greening Primary Leaves of Bean Seedlings ( <i>Phaseolus vulgaris</i> ). <b>1971</b> , 162, 245-264		2
1435	Struktur und Funktion der genetischen Information in den Plastiden. <b>1971</b> , 162, 390-409		5
1434	[Isolation and properties of mitochondria from leaves of <i>Spinacia oleracea</i> and <i>Beta vulgaris</i> ]. <b>1971</b> , 100, 337-46		10
1433	[Aging of the photosynthetic apparatus : III. Variations and characteristics of o-diphenoloxidase activity (Polyphenoloxidase) during aging in vitro of isolated spinach chloroplasts]. <b>1971</b> , 100, 106-23		20
1432	[Differences in the light-activation of NADP-dependent glyceraldehyde-3-phosphate dehydrogenase and of ribulose-5-phosphate kinase between plants containing the Calvin and those containing the C4-dicarboxylic acid pathway of photosynthetic carbon reduction]. <b>1971</b> , 96, 109-18		27
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1430	Chlorophyll formation and the development of photosynthesis in illuminated etiolated pea leaves. <b>1971</b> , 98, 11-9		14
1429	[Influence of the cell metabolism on the pigment composition in ageing cultures of <i>Euglena gracilis</i> ]. <b>1971</b> , 101, 101-16		5
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1425	[Variation of peroxidase and phenoloxidase activities during the growth of <i>Coleus blumei</i> Benth. var. <i>Automne</i> ]. <b>1971</b> , 99, 63-72	4
1424	[The rate of photosynthesis of different stalk regions of <i>Acetabularia mediterranea</i> ]. <b>1971</b> , 101, 360-4	18
1423	Das Verhalten von Nitratreductase, Nitritreductase, Hydrogenase und anderen Enzymen von <i>Ankistrodesmus braunii</i> bei Stickstoffmangel. <b>1971</b> , 79, 25-43	18
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1420	Effect of root parasitism by orobanche on the respiration and chlorophyll content of <i>Petunia</i> . <b>1971</b> , 10, 315-318	5
1419	Inhibition of photosynthetic CO <sub>2</sub> fixation in spinach chloroplasts by Hydroxy 2-pyridinemethanesulphonate. <b>1971</b> , 10, 1999-2003	26
1418	Conversion of lycopene to Carotene by plastids isolated from higher plants. <b>1971</b> , 10, 2051-2058	24
1417	Cell clones contrasted in growth, morphology and pigmentation isolated from a callus culture of <i>Atropa belladonna</i> var. <i>Lutea</i> . <b>1971</b> , 10, 2559-2575	39
1416	Protein synthesis by chloroplasts isolated from gametophytes of the fern, <i>Todea barbara</i> . <b>1971</b> , 10, 2583-2591	11
1415	Lipid and pigment patterns in germinating <i>Polytrichum commune</i> spores. <b>1971</b> , 10, 2811-2812	11
1414	Biosynthesis of monogalactosyl diglyceride by chloroplasts from <i>spinacia oleracea</i> and from some gramineae. <b>1971</b> , 10, 3035-3045	25
1413	Activity and properties of ribulosediphosphate carboxylase from plants with the C <sub>4</sub> -dicarboxylic acid pathway of photosynthesis. <b>1971</b> , 10, 9-15	38
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1411	Crystalline Ferredoxin from a Blue-Green Alga, <i>Nostoc</i> sp.. <b>1971</b> , 25, 135-140	41
1410	The Role of Light in the Interrelated Processes of Morphogenesis and Photosynthesis in the Fern <i>Gametophyte</i> . <b>1971</b> , 25, 461-468	11
1409	Photosynthesis in Sugarcane Varieties Infected with Strains of Sugarcane Mosaic Virus. <b>1971</b> , 24, 51-54	9
1408	A VIRESCENS MUTANT OF <i>PHASEOLUS VULGARIS</i> : PHOTOSYNTHESIS AND METABOLIC CHANGES DURING LEAF DEVELOPMENT. <b>1971</b> , 70, 415-426	5

1407	Analyse spectrophotometrique des chlorophylles et des pheophytines a et b en milieu hydroacetonique. <b>1971</b> , 55, 425-435		10
1406	Biosynthesis of galactolipids in photoautotrophic <i>Euglena gracilis</i> chloroplasts. <b>1971</b> , 10, 1543-1549		13
1405	Morpho-physiological behaviour of potato bolters. <b>1971</b> , 14, 292-296		2
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1402	Anion permeability of chloroplasts. <b>1971</b> , 19, 227-31		43
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1400	Internal fluorescence standards for light scattering biological material. <b>1971</b> , 13, 293-7		1
1399	Net Primary Production of Herbs in a Central Illinois Deciduous Forest. <b>1971</b> , 98, 90		29
1398	Greening of etiolated bean leaves in far red light. <i>Plant Physiology</i> , <b>1971</b> , 47, 457-64	6.6	85
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1391	Development of Microbodies in Sunflower Cotyledons and Castor Bean Endosperm during Germination. <i>Plant Physiology</i> , <b>1971</b> , 48, 566-74	6.6	135
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1389	Inhibition of photosynthetic carbon dioxide fixation in isolated spinach chloroplasts exposed to reduced osmotic potentials. <i>Plant Physiology</i> , <b>1971</b> , 48, 591-5	6.6	62
1388	Nitrate and Nitrite Reduction by <i>Wolffia arrhiza</i> . <i>Plant Physiology</i> , <b>1971</b> , 47, 189-91	6.6	30
1387	Photomorphogenesis in <i>Arabidopsis thaliana</i> (L.) Heynh: Threshold Intensities and Blue-Far-red Synergism in Floral Induction. <i>Plant Physiology</i> , <b>1971</b> , 47, 393-9	6.6	47
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1381	Legumin Synthesis in Developing Cotyledons of <i>Vicia faba</i> L. <i>Plant Physiology</i> , <b>1971</b> , 48, 419-25	6.6	50
1380	A Lipid Requirement for Photosystem I Activity in Heptane-extracted Spinach Chloroplasts. <i>Plant Physiology</i> , <b>1971</b> , 47, 135-8	6.6	18
1379	Isolation of microbodies from plant tissues. <i>Plant Physiology</i> , <b>1971</b> , 48, 637-41	6.6	97
1378	Effects of sucrose and kinetin on growth and chlorophyll synthesis in tobacco tissue cultures. <i>Plant Physiology</i> , <b>1971</b> , 47, 691-5	6.6	43
1377	Hydrarch succession and net primary production of oxbow lakes in central Alberta. <b>1971</b> , 49, 1177-1199		51
1376	A fundamental thermostable cyanide-sensitive phosphoenolpyruvate acid carboxylase in photosynthetic and other organisms. <b>1971</b> , 49, 631-643		9
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1369	pH Dependence and Cofactor Requirements of Photochemical Reactions in Maize Chloroplasts. <i>Plant Physiology</i> , <b>1972</b> , 50, 774-7	6.6	14
1368	Microbody enzymes and carboxylases in sequential extracts from c(4) and c(3) leaves. <i>Plant Physiology</i> , <b>1972</b> , 50, 242-8	6.6	53
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1365	Highly Unsaturated Lipids of <i>Mnium</i> , <i>Polytrichum</i> , <i>Marchantia</i> , and <i>Matteuccia</i> . <b>1972</b> , 75, 550		28
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1361	Developmental studies on microbodies in wheat leaves : I. Conditions influencing enzyme development. <i>Plant Physiology</i> , <b>1972</b> , 49, 28-32	6.6	120
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1357	Antimycin A Stimulation of Rate-limiting Steps of Photosynthesis in Isolated Spinach Chloroplasts. <i>Plant Physiology</i> , <b>1972</b> , 49, 411-6	6.6	22
1356	Uptake and Metabolism of 2,2-bis-(p-Chlorophenyl)-1,1,1-trichloroethane (DDT) by Marine Phytoplankton and Its Effects on Growth and Chloroplast Electron Transport. <i>Plant Physiology</i> , <b>1972</b> , 49, 172-6	6.6	54
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1344	A possible ribosomal-directed regulatory system in <i>Euglena gracilis</i> . Carbon dioxide fixation. <b>1972</b> , 130, 819-23		9
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1341	3-(3,4-Dichlorophenyl)-1,1-dimethylurea Effect on Cytochrome b(559) Photooxidation and Q Reduction at Temperatures Near 0 C. <i>Plant Physiology</i> , <b>1972</b> , 49, 455-6	6.6	4
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1303	Hydrazobenzene oxidation by 2,6-dichlorophenol-indophenol in a photoreaction catalyzed by system I of photosynthesis. Hydrazine compounds as donors for photosystem II. <b>1972</b> , 283, 316-27	12
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1213	Relationship between leaf development and primary photosynthetic products in the C <sub>4</sub> plant <i>Portulaca oleracea</i> L. <b>1973</b> , 115, 113-24	58
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1205	Growth of a floating aquatic weed, <i>Salvinia</i> under standard conditions. <b>1973</b> , 41, 77-106	29
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1203	Changes in chloroplast pigments during the preparation of leaf protein. <b>1973</b> , 24, 1217-27	13
1202	Formation, d'inositol par les chloroplastes isolés de pois. <b>1973</b> , 12, 331-336	18
1201	The antialgal activity of obtusastylene and related cinnamylphenols. <b>1973</b> , 29, 1196-1197	7
1200	Effect of infection by <i>Uromyces phaseoli</i> (Pers.) Wint. on electron carrier quinones in bean leaves. <b>1973</b> , 3, 437-441	4
1199	IN VIVO MEASUREMENT OF CHLOROPHYLL CONTENT OF LEAVES. <b>1973</b> , 72, 51-54	43
1198	BIOCHEMICAL AND PHYSIOLOGICAL ASPECTS OF LEAF DEVELOPMENT IN COCOA ( <i>THEOBROMA CACAO</i> ) I. DEVELOPMENT OF CHLOROPHYLL AND PHOTOSYNTHETIC ACTIVITY. <b>1973</b> , 72, 1315-1324	45
1197	The Effect of Sodium Chloride on the Balance between the C3- and C4-Carbon Fixation Pathways. <b>1973</b> , 29, 190-193	72
1196	Glycolic Oxidase and NAD-Glyoxylic Reductase in Rust Susceptible Bean Leaves <sup>1</sup> ). <b>1973</b> , 77, 348-355	
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1194	On the reconstitution of photophosphorylation in chloroplast membranes. <b>1973</b> , 37, 355-60	29
1193	Sites along the electron-transport chain controlled by the energy-conversion system in chloroplasts. <b>1973</b> , 37, 361-6	1
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1191	A fast kinetic component of ESR signal II in photosynthesis. <b>1973</b> , 222, 871-83	4
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1187	APPEARANCE AND DEVELOPMENT OF PHOTOSYNTHETIC ACTIVITIES IN WHEAT ETIOPLASTS GREENED UNDER CONTINUOUS OR INTERMITTENT LIGHT EVIDENCE FOR WATER-SIDE PHOTOSYSTEM II DEFICIENCY AFTER GREENING UNDER INTERMITTENT LIGHT*. <b>1973</b> , 18, 409-416	54
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1185	<sup>14</sup> C incorporation from exogenous compounds into -aminolevulinic acid by greening cucumber cotyledons. <b>1973</b> , 52, 143-9	96
1184	Superoxide reduction as a mechanism of ascorbate-stimulated oxygen uptake by isolated chloroplasts. <b>1973</b> , 52, 856-62	95
1183	Effect of a systemic virus infection on chloroplast function and structure. <b>1973</b> , 55, 426-38	43
1182	Correlations between photophosphorylation and light-induced conformational changes of chloroplasts in whole cells of the halophilic green alga <i>Dunaliella parva</i> . <b>1973</b> , 68, 289-307	35
1181	An NAD(P) reductase derived from <i>Chlorobium thiosulfatophilum</i> : purification and some properties. <b>1973</b> , 292, 621-33	16
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1179	Isolation and properties of particles containing the reaction center complex of photosystem II from spinach chloroplasts. <b>1973</b> , 292, 741-52	96
1178	Light-induced slow changes in chlorophyll a fluorescence in isolated chloroplasts: effects of magnesium and phenazine methosulfate. <b>1973</b> , 292, 459-76	94
1177	[Studies of cytochrome b-563 and P700 in three non-photosynthetic mutants of <i>Chlamydomonas reinhardtii</i> ]. <b>1973</b> , 292, 477-90	8
1176	The stoichiometry (ATP-2e <sup>-</sup> ratio) of non-cyclic photophosphorylation in isolated spinach chloroplasts. <b>1973</b> , 314, 66-78	113
1175	The oxidation-reduction potential of membrane-bound chloroplast plastocyanin and cytochrome f. <b>1973</b> , 305, 675-8	31
1174	Polylysine-enhanced effectiveness of plastocyanin in photosystem. I. <b>1973</b> , 325, 255-65	8

1173	Oxidation-reduction potential dependence of low-temperature photoreactions of chloroplast photosystem. II. <b>1973</b> , 325, 266-75	29
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1155	Inhibition of photochemical activity in chloroplasts by the polyene antibiotic, filipin. <b>1973</b> , 154, 520-6	11
1154	A membrane-bound alkaline inorganic pyrophosphatase in isolated spinach chloroplasts. <b>1973</b> , 154, 606-13	32
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1152	On the pH-dependence of the light-induced hydrogen ion gradient in spinach chloroplasts. <b>1973</b> , 156, 621-5	31
1151	Activity, location, and role of aspartate aminotransferase and alanine aminotransferase isoenzymes in leaves with C4 pathway photosynthesis. <b>1973</b> , 156, 195-206	133
1150	The oxidation-reduction potentials of electron carriers in chloroplast photosystem I fragments. <b>1973</b> , 159, 555-62	53
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1148	Biogenesis of chloroplast membranes. <b>1973</b> , 159, 813-820	13
1147	Monovalent cation-induced inhibition of chlorophyll a fluorescence: Antagonism by divalent cations. <b>1973</b> , 159, 832-836	85
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1142	The Role of Glycerol in the Osmotic Regulation of the Halophilic Alga <i>Dunaliella parva</i> . <i>Plant Physiology</i> , <b>1973</b> , 51, 875-8	6.6 341
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1140	Evidence for system I mediated non-cyclic photophosphorylation in chloroplasts. <b>1973</b> , 36, 61-64	6
1139	ATP synthesis driven by a K <sup>+</sup> -valinomycin-induced charge imbalance across chloroplast grana membranes. <b>1973</b> , 36, 143-7	20
1138	NADP specific dihydroxyacetone reductase from <i>Dunaliella parva</i> . <b>1973</b> , 29, 153-5	35

1137	DEVELOPMENT OF CHLOROPLASTS FROM AMYLOPLASTS IN POTATO TUBER DISCS. <b>1973</b> , 72, 449-463	30
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1135	Effect of oxidizing treatment on chloroplast photosystem II reactions. <b>1973</b> , 325, 336-40	13
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1132	Ion uptake by slices from greening etiolated barley and maize leaves. <b>1973</b> , 1, 275-280	7
1131	Aminolaevulinate dehydratase in greening leaves of <i>Phaseolus vulgaris</i> L.. <b>1973</b> , 69, 217-227	27
1130	La synthèse de l'acide Aminolévulinique et de la chlorophylle lors de l'éclaircissement d' <i>Euglena gracilis</i> Hölz. <b>1973</b> , 313, 130-149	29
1129	Absorption and chlorophyll a fluorescence characteristics of tris-treated and sonicated chloroplasts. <b>1973</b> , 1, 201-206	4
1128	Assignment to chloroplast and cytoplasm of three <i>Euglena gracilis</i> aminoacyl-tRNA synthetases with ambiguous specificity for transfer RNA. <b>1973</b> , 1, 221-227	13
1127	Biogenesis of chloroplast membranes. <b>1973</b> , 1, 3-9	10
1126	In vitro inhibition of photophosphorylation by Kaempferol. <b>1973</b> , 70, 88-93	2
1125	Light-stimulated incorporation of N-ethylmaleimide into coupling factor 1 in spinach chloroplasts. <b>1973</b> , 12, 1503-7	194
1124	Photosynthetic ecology of normal and variegated <i>Aegopodium podagraria</i> . <b>1973</b> , 51, 1589-1592	1
1123	Biochemical and Cytochemical Studies of <i>Suaeda maritima</i> . <b>1973</b> , 357-368	4
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1121	The development of microbodies and peroxisomal enzymes in greening bean leaves. <b>1973</b> , 56, 500-18	37
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1119	Malate Dehydrogenases of <i>Pisum sativum</i> : Tissue Distribution and Properties of the Particulate Forms. <i>Plant Physiology</i> , <b>1973</b> , 51, 1076-81	6.6	25
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1114	Control of the synthesis of a major polypeptide of chloroplast membranes in <i>Chlamydomonas reinhardi</i> . <b>1973</b> , 56, 1-12		48
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1111	Response of carbon dioxide fixation to water stress: parallel measurements on isolated chloroplasts and intact spinach leaves. <i>Plant Physiology</i> , <b>1973</b> , 52, 28-32	6.6	42
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1096	Quantitative studies on ferredoxin in greening bean leaves. <b>1973, 136, 697-703</b>	36
1095	The photochemical activities and electron carriers of developing barley leaves. <b>1973, 136, 803-12</b>	90
1094	Site of inhibition by 2-amino-1,1,3-tricyanopropene of photosynthetic oxygen evolution by spinach leaf chloroplasts (Short Communication). <b>1973, 134, 663-5</b>	
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1089	Ecopathological Investigations (1) Influence of Plant Pathogenic Fungus on Productivity of <i>Dichanthium annulatum</i> (Forsk) Stapf. <b>1973, 162, 437-441</b>	
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1083	Detection of a Free Radical in the Primary Reaction of Chloroplast Photosystem II. <b>1973</b> , 70, 294-7	31
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1039	Photosynthetic activity of spinach chloroplasts after isopycnic centrifugation in gradients of silica. <i>Plant Physiology</i> , <b>1974</b> , 54, 532-4	6.6	65
1038	Effects of dual infections of Puccinia hordei and Erysiphe graminis on barley, cv. Zephyr. <b>1974</b> , 78, 237-250		13
1037	PHOTOSYNTHETIC ACTIVITY AND CHLOROPHYLL ABSORPTION SPECTRA OF FRACTIONS FROM THE ALGA, DUNALIELLA*. <b>1974</b> , 19, 139-146		5
1036	THE RELATION OF THE ESR SIGNAL II TO ELECTRON TRANSPORT IN PHOTOSYSTEM II OF SPINACH CHLOROPLASTS*. <b>1974</b> , 20, 245-250		16
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1032	Light-induced absorbance changes of the high-potential cytochrome b559 in chloroplasts. <b>1974</b> , 41, 191-6		24
1031	The synthesis of the small subunit of ribulose 1,5-bisphosphate carboxylase in the french bean Phaseolus vulgaris. <b>1974</b> , 44, 491-500		64
1030	Determination and analysis of the buffer capacity of isolated chloroplasts in the light and in the dark. <b>1974</b> , 47, 403-7		45

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1020	Wachstum und photosyntheseleistung der halophyten <i>Mesembryanthemum nodiflorum</i> L. und <i>Suaeda maritima</i> (L.) Dum. bei variierter NaCl-Salinität des anzahlmediums. <b>1974</b> , 17, 317-324	8
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830	Basis for Synergism of Atrazine and Alachlor Combinations on Japanese Millet. <b>1975</b> , 23, 43-48		15
829	MORPHOGENETIC STUDIES ON HAWORTHIA: EFFECTS OF INOSITOL ON GROWTH AND DIFFERENTIATION. <b>1975</b> , 62, 655-659		11
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- 676 Effect of TiO<sub>2</sub> Nanoparticles with High Light Absorption on Improving Growth Parameters and Enzymatic Properties of Sorghum (<i>Sorghum bicolor L. Moench). 75, 29-40 0
- 675 Mycorrhizal Inoculation Improves the Quality and Productivity of Essential Oil Distilled from Three Aromatic and Medicinal Plants: *Thymus satureioides*, *Thymus pallidus*, and *Lavandula dentata*. **2022**, 12, 2223 0
- 674 Evaluation of the allelopathic potential of *Trianthema portulacastrum* L. on *Convolvulus arvensis* L. **2022**, 104, 104491 0
- 673 Calcium nanoparticles (Ca-NPs) improve drought stress tolerance in *Brassica napus* by modulating the photosystem II, nutrient acquisition and antioxidant performance. **2022**, 28, 100423 2
- 672 Comparison of wheatgrass juices from colored wheat (white, black, blue, and purple) for health promoting phytochemicals. **2022**, 161, 111833 0
- 671 Physiological and biochemical responses of black cumin to vermicompost and plant biostimulants: Arbuscular mycorrhizal and plant growth-promoting rhizobacteria. **2022**, 188, 115557 1
- 670 Physiological and chemical changes induced by transparent polythene + green net shed on *Pelargonium graveolens* L. mother plants during monsoon season. **2022**, 188, 115686 0

- 669 Population specific methylome remodeling in high and low elevation populations of Indian west Himalayan *Arabidopsis thaliana* in response to elevated CO<sub>2</sub>. **2022**, 203, 105074 ○
- 668 Application of potassium humate to reduce arsenic bioavailability and toxicity in rice plants (*Oryza sativa* L.) during its course of germination and seedling growth. **2022**, 313, 120066 ○
- 667 Metabolic regulation of  $\beta$ -Ketoglutarate associated with heat tolerance in perennial ryegrass. **2022**, 190, 164-173 1
- 666 Photosynthetic carbon and nitrogen metabolism of *Camellia oleifera* Abel during acclimation to low light conditions. **2022**, 278, 153814 ○
- 665 5-Aminolevulinic acid promotes low-light tolerance by regulating chloroplast ultrastructure, photosynthesis, and antioxidant capacity in tall fescue. **2022**, 190, 248-261 ○
- 664 Foliar application of moringa leaf extract (MLE) enhanced antioxidant system, growth, and biomass related attributes in safflower plants. **2022**, 150, 1087-1095 ○
- 663 Chemical manipulation of source and sink dynamics improves significantly the root biomass and the withanolides yield in *Withania somnifera*. **2022**, 188, 115577 ○
- 662 Acetylsalicylic acid and salicylic acid alleviate postharvest leaf senescence in Chinese flowering cabbage (*Brassica rapa* var. *parachinensis*). **2022**, 194, 112070 ○
- 661 Evaluating drought stress tolerance in different *Camellia sinensis* L. cultivars and effect of melatonin on strengthening antioxidant system. **2023**, 307, 111517 1
- 660 Paclobutrazole use as a tool for anticipate water stress response of sour passion fruit. **2023**, 307, 111480 ○
- 659 Mutagenic efficiency of gamma rays on in-vitro regeneration in Indian mustard (*Brassica juncea*). **2022**, 92, 136-139 ○
- 658 Quantum yield, chlorophyll, and cell damage in yellow passion fruit under irrigation strategies with brackish water and potassium. 82, ○
- 657 Foliar application of a mixture of putrescine, melatonin, proline, and potassium fulvic acid alleviates high temperature stress of cucumber plants grown in the greenhouse. **2022**, 2, 1-10 ○
- 656 Responses of bloom-forming *Microcystis aeruginosa* to polystyrene microplastics exposure: Growth and photosynthesis. **2022**, 3, 133-142 ○
- 655 Light emitting diodes improved the metabolism of rosmarinic acid and amino acids at the transcriptional level in two genotypes of *Melissa officinalis* L.. **2022**, ○
- 654 Regulation of nutrient accumulation by  $\beta$ -aminobutyric acid associated with GABA priming-enhanced heat tolerance in creeping bentgrass. **2022**, 2, 1-8 ○
- 653 Identification and analysis of RNA editing sites of chloroplast genes in foxtail millet [*Setaria italica* (L.) P. Beauv.]. **2022**, 48, 873-885 ○
- 652 Phenotypic characterization and gene mapping of an *early senescence leaf H5* mutant in rice (*Oryza sativa* L.). **2022**, 48, 1389-1400 ○



651	Zinc Application Mitigates Copper Toxicity by Regulating Cu Uptake, Activity of Antioxidant Enzymes, and Improving Physiological Characteristics in Summer Squash. <b>2022</b> , 11, 1688	0
650	Farklı şaaklıklarda yetiřirilen Cicer arietinum L.'de tiyfe uygulaması morfolojik ve fizyolojik őellikler őerine interaktif etkisi.	0
649	Differential Responses to Yellow-Rust Stress Assist in the Identification of Candidate Wheat ( <i>Triticum aestivum</i> L.) Genotypes for Resistance Breeding. <b>2022</b> , 12, 2038	0
648	A Metabolomic Approach to Assess the Toxicity of the Olive Tree Endophyte <i>Bacillus</i> sp. PTA13 Lipopeptides to the Aquatic Macrophyte <i>Lemna minor</i> L.. <b>2022</b> , 10, 494	3
647	OHP2 is not required for psbA translation in <i>Chlamydomonas</i> .	0
646	Straw Incorporation in Contaminated Soil Enhances Drought Tolerance but Simultaneously Increases the Accumulation of Heavy Metals in Rice. <b>2022</b> , 14, 10578	1
645	Application of Morphological and Physiological Markers for Study of Drought Tolerance in Liliium Varieties. <b>2022</b> , 8, 786	1
644	Variation in Seed Yield, Oil Quality, and Seed Elements of Sunflower as Affected by Various Fertilizers and Tillage Systems. 1-16	0
643	Foliar Applications of Humic Substances Together with Fe/Nano Fe to Increase the Iron Content and Growth Parameters of Spinach ( <i>Spinacia oleracea</i> L.). <b>2022</b> , 12, 2044	1
642	Extensive cross-talk among stress-regulated protective metabolites, biogenic-amines and phytohormone-signalling, co-ordinated by dopamine-mediated seed-priming, governs tolerance against fluoride stress in rice.	0
641	Effects of Novel Photosynthetic Inhibitor [CuL2]Br2 Complex on Photosystem II Activity in Spinach. <b>2022</b> , 11, 2680	0
640	Comparing the Response of Growth and Physiologic Variables of Onion to Olive Mill Wastewater Application and Arbuscular Mycorrhizal Fungi Inoculation.	1
639	Photosynthesis, Membrane Stability and Proline Metabolism Enzyme Activity as Potential Indicators for Salt Tolerance in Wheat. <b>2022</b> , 69,	0
638	Combined Use of Spent Mushroom Substrate Biochar and PGPR Improves Growth, Yield, and Biochemical Response of Cauliflower ( <i>Brassica oleracea</i> var. <i>botrytis</i> ): A Preliminary Study on Greenhouse Cultivation. <b>2022</b> , 8, 830	3
637	The Effect of Thermally Heated Carbon Nanoparticles of Oil Fly Ash on Tomato ( <i>Solanum lycopersicum</i> L.) Under Salt Stress.	1
636	Mung Bean Genotypes Demonstrate a Correlative Response at Biochemical and Molecular Level Under Salinity Stress.	0
635	Manufactured Nano-Objects Confer Viral Protection against Cucurbit Chlorotic Yellows Virus (CCYV) Infecting <i>Nicotiana benthamiana</i> . <b>2022</b> , 10, 1837	1
634	Ectopic expression of HIOMT improves tolerance and nitrogen utilization efficiency in transgenic apple under drought stress.	0

633	The Tolerance, Absorption, and Transport Characteristics of <i>Macleaya cordata</i> in Relation to Lead, Zinc, Cadmium, and Copper under Hydroponic Conditions. <b>2022</b> , 12, 9598	1
632	Foliar application of thiourea, salicylic acid, and kinetin alleviate salinity stress in maize grown under etiolated and de-etiolated conditions. <b>2022</b> , 2,	1
631	Defense response induced by silicon amendment against <i>Scirpophaga incertulas</i> (Walker) and <i>Cnaphalocrocis medinalis</i> (Guenee) infestation in rice. <b>2022</b> , 59, 336-344	0
630	Integrated Nutrient Management Fostered Economic Yield and Bioactive Principle of Medicinal Herb ( <i>Cassia angustifolia</i> Vahl.) in Saline Soil of Semi-Arid Region of Western India. 1-16	0
629	The Component of the TAC Complex, TCD7, Controls Rice Chloroplast Development at the Early Seedling Stage under Cold Stress.	0
628	Physiological and biochemical responses of hybrid maize ( <i>Zea mays</i> L.) varieties grown under heat stress conditions. 10, e14141	0
627	Wild grapevines as rootstock regulate the oxidative defense system of in vitro grafted scion varieties under drought stress. <b>2022</b> , 17, e0274387	0
626	Mulberry based zinc nano-particles mitigate salinity induced toxic effects and improve the grain yield and zinc bio-fortification of wheat by improving antioxidant activities, photosynthetic performance, and accumulation of osmolytes and hormones. 13,	3
625	Relative Biochemical analysis of two cultivars of <i>Hordeum vulgare</i> L. under Fluoride stress using Fourier Transform-Infrared Spectroscopy (FT-IR).	0
624	Assessment of Air Pollution Tolerance Index and Anticipated Performance Index of Roadside Tree Species Near Rural School. <b>2023</b> , 191-205	0
623	Is intraspecific trait differentiation in <i>Parthenium hysterophorus</i> a consequence of hereditary factors and/or phenotypic plasticity?. <b>2022</b> ,	0
622	The Effect of Different Carrier Materials on the Growth and Yield of Spinach under Pot and Field Experimental Conditions. <b>2022</b> , 14, 12255	0
621	Comparative analysis of growth, physiological and transcriptomic response revealed mechanisms of waterlogging tolerance of hot pepper ( <i>Capsicum annum</i> var. <i>conoides</i> ).	0
620	Elemental mercury accumulation in <i>Eichhornia crassipes</i> (Mart.) Solms-Laubach.	0
619	Effect of Nitrogen-Fixing Bacteria Application on Biochemical Properties, Yield, and Nutrients of Barley.	0
618	<i>Staphylococcus Sciuri</i> SAT-17 Facilitated in Vitro Regenerated Sugarcane Plantlets Cultivation in Saline Soil by Harmonizing Oxidative Signaling, Photosynthetic Efficiency and Nutrients Uptake Patterns.	0
617	<i>Streptomyces hydrogenans</i> strain DH-16 alleviates negative impact of <i>Meloidogyne incognita</i> stress by modifying physio-biochemical attributes in <i>Solanum lycopersicum</i> plants. <b>2022</b> , 12,	0
616	Effects of Symbiotic Fungi on Sugars and Soil Fertility and Structure-Mediated Changes in Plant Growth of <i>Vicia villosa</i> . <b>2022</b> , 12, 1523	0

615	Light-harvesting artificial cells for the generation of ATP and NADPH.	0
614	Microbial antagonism against phytopathogenic <i>Botrytis cinerea</i> in highbush blueberry ( <i>Vaccinium corymbosum</i> L.) cultivars. Contribution of leaf-associated microorganisms from native Andean Ericaceae.	0
613	The combination of vermicompost and arbuscular mycorrhizal fungi improves the physiological properties and chemical composition of <i>Opuntia ficus-indica</i> under semi-arid conditions in the field. 1-26	0
612	<i>Natrum muriaticum</i> modifica variables de respuesta productiva en <i>Salicornia bigelovii</i> (Torr.). <b>2022</b> , 161-172	0
611	Invasive success of <i>Ipomoea carnea</i> Jacq. through plasticity in physio-anatomical and phytochemical traits across diversified habitats.	0
610	Shade tolerance response of legumes in terms of biomass accumulation, leaf photosynthesis, and chlorophyll pigment under reduced sunlight.	0
609	Stress-Tolerant Endophytic Isolate <i>Priestia aryabhattai</i> BPR-9 Modulates Physio-Biochemical Mechanisms in Wheat ( <i>Triticum aestivum</i> L.) for Enhanced Salt Tolerance. <b>2022</b> , 19, 10883	2
608	Enhancing drought stress tolerance in <i>Camelina</i> ( <i>Camelina sativa</i> L.) through exogenous application of potassium. <b>2022</b> , 174,	0
607	Green Synthesized Se Nanoparticle-mediated Alleviation of Salt Stress in Field Mustard TS-36 Variety. <b>2022</b> ,	1
606	Lead-induced modification of growth and yield of <i>Linum usitatissimum</i> L. and its soil remediation potential. 1-10	0
605	Optimal exogenous calcium alleviates the damage of Snow-melting agent to <i>Salix matsudana</i> seedlings. 13,	0
604	Comparison of photosynthetic pigment and gas exchange parameters in laurel ( <i>Laurus nobilis</i> L.) populations. 156-162	0
603	Physiological, biochemical and phytohormone responses of <i>Elymus nutans</i> to $\alpha$ -pinene-induced allelopathy. 10, e14100	1
602	Estimation of chlorophyll content in <i>Brassica napus</i> based on unmanned aerial vehicle images. <b>2022</b> ,	1
601	Comparative zinc tolerance and phytoremediation potential of four biofuel plant species. 1-15	1
600	A comparative study of phytochemical, antioxidant, anticarcinogenic, and antidiabetic potential of coriander ( <i>Coriandrum sativum</i> L.): Microgreen and mature plant. <b>2022</b> , 283-294	2
599	Nitrogen enriched chemically produced carbon supplementary impacts on maize growth under saline soil conditions. <b>2022</b> , 102292	0
598	Impact of <i>Plantago ovata</i> Forsk leaf extract on morpho-physio-biochemical attributes, ions uptake and drought resistance of wheat ( <i>Triticum aestivum</i> L.) seedlings. 13,	0

597	Cytological, physiological and transcriptomic analysis of variegated Leaves in <i>Primulina pungentisepala</i> offspring. <b>2022</b> , 22,	0
596	Combined Effect of Rice-Straw Biochar and Humic Acid on Growth, Antioxidative Capacity, and Ion Uptake in Maize ( <i>Zea mays</i> L.) Grown Under Saline Soil Conditions.	0
595	Foliar applied proline and acetic acid improves growth and yield of wheat under salinity stress by improving photosynthetic pigments, physiological traits, antioxidant activities and nutrient uptake. <b>2022</b> , 50, 12820	0
594	The SPL transcription factor genes are potential epialleles for crop improvement in chickpea ( <i>C. arietinum</i> L.).	0
593	Assessment of air pollution tolerance index and anticipated performance index of a few local plant species available at the roadside for mitigation of air pollution and green belt development.	0
592	Alleviation of high light stress in shade-treated tea leaves by acclimation to light before shade removal.	0
591	Genome size and gas chromatography-mass spectrometry (GCMS) analysis of field-grown and in vitro regenerated <i>Pluchea lanceolata</i> plants.	0
590	Potential of plant growth promoting bacterial consortium for improving the growth and yield of wheat under saline conditions. 13,	0
589	Biochar-based nutritional nanocomposites: a superior treatment for alleviating salt toxicity and improving physiological performance of dill ( <i>Anethum graveolens</i> ).	1
588	Short-term responses of Spinach ( <i>Spinacia oleracea</i> L.) to the individual and combinatorial effects of Nitrogen, Phosphorus and Potassium and silicon in the soil contaminated by boron. 13,	6
587	Variation of photosynthesis, secondary metabolites and antioxidant activities in third generation of spaceflight-induced <i>Salvia miltiorrhiza</i> . <b>2022</b> ,	0
586	Enhancing Rubisco gene expression and metabolites accumulation for better plant growth in <i>Ficus deltoidea</i> under drought stress using hydrogen peroxide. 13,	0
585	Physiological and Metabolic Responses of Gac Leaf ( <i>Momordica cochinchinensis</i> (Lour.) Spreng.) to Salinity Stress. <b>2022</b> , 11, 2447	1
584	Insight into the Mechanism of Salt-Induced Oxidative Stress Tolerance in Soybean by the Application of <i>Bacillus subtilis</i> : Coordinated Actions of Osmoregulation, Ion Homeostasis, Antioxidant Defense, and Methylglyoxal Detoxification. <b>2022</b> , 11, 1856	0
583	UVA Enhanced Promotive Effects of Blue Light on the Antioxidant Capacity and Anthocyanin Biosynthesis of Pak Choi. <b>2022</b> , 8, 850	0
582	Application of Thiourea Ameliorates Stress and Reduces Accumulation of Arsenic in Wheat ( <i>Triticum aestivum</i> L.) Plants Grown in Contaminated Field.	0
581	Impact of Land Use Type on Macrophyte Occurrence in Ponds in a Changing Climate. <b>2022</b> , 14, 11227	0
580	Bulk segregant analysis-sequencing and RNA-Seq analyses reveal candidate genes associated with albino phenotype in <i>Brassica napus</i> . 13,	0

579	Silicone Alleviates Palladium Toxicity by Modifying Palladium Uptake, Ascorbate-Glutathione Cycle, and Glyoxalase System in Maize Seedlings.	0
578	Effects of inorganic arsenic species on the antioxidant enzyme system of the Amazon Sword Plant ( <i>Echinodorus amazonicus</i> Rataj).	0
577	HY5 Regulates GLK and GNC Transcription Factors to Orchestrate Photomorphogenesis in <i>Arabidopsis thaliana</i> .	0
576	Color and physiochemical attributes of pointed gourd ( <i>Trichosanthes dioica</i> Roxb.) influenced by modified atmosphere packaging and postharvest treatment during storage. 13,	0
575	Exogenous nano-silicon application improves ion homeostasis, osmolyte accumulation and palliates oxidative stress in <i>Lens culinaris</i> under NaCl stress. <b>2022</b> ,	0
574	Strengthening leaf physiological functioning and grain yield formation in heat-stressed wheat through potassium application. 13,	0
573	Understanding the Effect of Irrigation with Chromium Loaded Tannery Effluent on <i>Ocimum basilicum</i> L. vis-a-vis Metal Uptake.	0
572	Soil Application of Cellulolytic Microbe-Enriched Vermicompost Modulated the Morpho-physiological and Biochemical Responses of Wheat Cultivars Under Different Moisture Regimes.	1
571	<i>Trigonella foenum-graecum</i> (fenugreek) differentially regulates antioxidant potential, photosynthetic, and metabolic activities under arsenic stress. <b>2022</b> , 246, 114128	0
570	Evaluation of different growing media based on agro-industrial waste materials for the morphological, biochemical and physiological characteristics of stevia. <b>2022</b> , 3, 100038	0
569	Response of soybean ( <i>Glycine max</i> L.) seedlings to polystyrene nanoplastics: Physiological, biochemical, and molecular perspectives. <b>2022</b> , 314, 120262	0
568	Phytochemical diversity in okra ( <i>Abelmoschus esculentus</i> ) genotypes. <b>2020</b> , 90, 1514-1520	0
567	Bioprospecting aerobic rice ( <i>Oryza sativa</i> ) and mycorrhizal interaction for nutrient uptake and plant growth. <b>2021</b> , 91,	0
566	Synthesis and characterization of a novel slow-release nanourea/chitosan nanocomposite and its effect on <i>Vigna radiata</i> L..	0
565	Nitrogen application at anthesis increases barley grain protein by enhancing phloem amino acid mobilisation. <b>2022</b> ,	0
564	Anatomical, Histochemical, and Physiological Analysis of <i>Abutilon Indicum</i> (L.) Sweet, <i>Cassia Auriculata</i> L. and <i>Morinda Tinctoria</i> Roxb. Collected from Polluted and Non-Polluted Habitat. <b>2022</b> , 9, 19-24	0
563	KNO <sub>3</sub> , Nano-Zn, and Fe Foliar Application Influence the Growth and Physiological Responses of <i>Aloe vera</i> under Salinity. <b>2022</b> , 12, 2360	0
562	Charged Gold Nanoparticles Promote In Vitro Proliferation in <i>Nardostachys jatamansi</i> by Differentially Regulating Chlorophyll Content, Hormone Concentration, and Antioxidant Activity. <b>2022</b> , 11, 1962	1

561	Over-Expression of Phosphoserine Aminotransferase-Encoding Gene (AtPSAT1) Prompts Starch Accumulation in <i>L. turionifera</i> under Nitrogen Starvation. <b>2022</b> , 23, 11563	1
560	EFFECT OF DIFFERENT SOURCES OF ORGANIC AND INORGANIC FERTILIZERS ON A BIOCHEMICAL PARAMETER OF SUNFLOWER ( <i>HELIANTHUS ANNUUS.L.</i> ). <b>2022</b> , 23-26	0
559	OsWHY1 Interacts with OsTRX z and is Essential for Early Chloroplast Development in Rice. <b>2022</b> , 15,	0
558	Interactive Effects of Soil and Foliar-Applied Nanobiochar on Growth, Metabolites, and Nutrient Composition in <i>Daucus carota</i> .	1
557	Effect of salt stress on growth, physiological and biochemical parameters and activities of antioxidative enzymes of rice cultivars.	0
556	Supplementation of nitric oxide and spermidine alleviates the nickel stress-induced damage to growth, chlorophyll metabolism, and photosynthesis by upregulating ascorbate-glutathione and glyoxalase cycle functioning in tomato. 13,	0
555	Response and Function of <i>Solanum lycopersicum L.</i> SLSGR2 Gene under Cadmium Stress. <b>2022</b> , 8, 1002	0
554	Investigating NAC Transcription Factor Role in Redox Homeostasis in <i>Solanum lycopersicum L.</i> : Bioinformatics, Physiological and Expression Analysis under Drought Stress. <b>2022</b> , 11, 2930	1
553	<i>Serendipita indica</i> ( <i>Piriiformospora indica</i> ) inoculation improves photosynthetic performance and antioxidative potential of proso millet ( <i>Panicum miliaceum L.</i> ) under copper stress conditions.	0
552	Bioremediation of Cadmium Toxicity in Wheat ( <i>Triticum aestivum L.</i> ) Plants Primed with L-Proline, <i>Bacillus subtilis</i> and <i>Aspergillus niger</i> . <b>2022</b> , 19, 12683	1
551	Melatonin and dopamine enhance waterlogging tolerance by modulating ROS scavenging, nitrogen uptake, and the rhizosphere microbial community in <i>Malus hupehensis</i> .	0
550	Drought-tolerant <i>Sphingobacterium changzhouense</i> Alv associated with <i>Aloe vera</i> mediates drought tolerance in maize ( <i>Zea mays</i> ). <b>2022</b> , 38,	0
549	Foliar Application of Salicylic Acid Improved Growth, Yield, Quality and Photosynthesis of Pea ( <i>Pisum sativum L.</i> ) by Improving Antioxidant Defense Mechanism under Saline Conditions. <b>2022</b> , 14, 14180	2
548	Mixotrophic cultivation enhances lipid productivity and fatty acid profile towards efficient production of microalgae-based biofuel from <i>Desmodesmus sp.</i> DLK. 1-12	0
547	Urban dust pollution tolerance indices of selected plant species for development of urban greenery in Delhi. <b>2023</b> , 195,	1
546	Enhanced legume growth and adaptation to degraded estuarine soils using <i>Pseudomonas sp.</i> nodule endophytes. 13,	2
545	Comparison of synthetic and organic biodegradable chelants in augmenting cadmium phytoextraction in <i>Solanum nigrum</i> . 1-10	0
544	Foliar application of silicon, selenium, and zinc nanoparticles modulate lead and cadmium toxicity in sage ( <i>Salvia officinalis L.</i> ) plants by optimizing growth and biochemical status and minimizing metal accumulations.	0

- 543 Understanding the Physiological Mechanism of Heme Oxygenase for Enhanced Tolerance and Phytoremediation of Cd<sup>2+</sup> in *Eruca sativa*: Co-ordinated Function of Antioxidant Defense System. 0
- 542 Integrated application of bacterial carbonate precipitation and silicon nanoparticles enhances productivity, physiological attributes, and antioxidant defenses of wheat (*Triticum aestivum* L.) under semi-arid conditions. 13, 0
- 541 Effectiveness of green compost mixed with phosphate sludge on the defense performance of date palm in soil with *Fusarium oxysporum* f. sp. *albedinis* infestation. 0
- 540 Physiological and biochemical responses of *Phragmites australis* to wastewater for different time duration. 2022, 44, 0
- 539 Melatonin Pretreatment Alleviated Inhibitory Effects of Drought Stress by Enhancing Anti-Oxidant Activities and Accumulation of Higher Proline and Plant Pigments and Improving Maize Productivity. 2022, 12, 2398 3
- 538 Thiamine and Indole-3-Acetic Acid Induced Modulations in Physiological and Biochemical Characteristics of Maize (*Zea mays* L.) under Arsenic Stress. 2022, 14, 13288 0
- 537 Brassinosteroid Stimulates Hydrogen Peroxide Biosynthesis and Reduces the Effect of Cold Stress. 0
- 536 Seed priming with zinc oxide nanoparticles improves growth, osmolyte accumulation, antioxidant defence and yield quality of water-stressed mung bean plants. 1-25 0
- 535 *Cajanus cajan* shows multiple novel adaptations in response to regular mechanical stress. 0
- 534 Physiological Response of Sugar Beet Seedlings to Ferrous, Hypoxia, and Interactive Ferrous-Hypoxia Stresses. 0
- 533 Transcriptomic analysis of ncRNA and mRNA interactions during leaf senescence in tomato. 2022, 0
- 532 Chaste plant extract is a promising biostimulant for tomato plants growth under salt stress. 0
- 531 Integrated approach for managing *Fusarium* wilt of chickpea using *Azadirachta indica* leaf extract, *Trichoderma harzianum* and Bavistin. 1
- 530 Production of Organic Liquid Biofertilizer from Fish Waste and Study of its Plant Growth Promoting Effect. 0
- 529 Preparation and application of nanostructured carbon from oil fly ash for growth promotion and improvement of agricultural crops with different doses. 2022, 12, 0
- 528 Silver Nanoparticles (Ag NPs) Boost Mitigation Powers of *Chenopodium Quinoa* (Q6 Line) Grown under In Vitro Salt-Stressing Conditions. 2022, 14, 3099 0
- 527 Sugar-terminated carbon-nanodots stimulate osmolyte accumulation and ROS detoxification for the alleviation of salinity stress in *Vigna radiata*. 2022, 12, 0
- 526 HeNe Laser Priming Enhances Drought Tolerance in Wheat through Differential Modification of Photosynthetic Pigments and Antioxidative Enzymes. 2022, 12, 2376 0

- 525 Transcriptome analysis of mulberry (*Morus alba* L.) leaves to identify differentially expressed genes associated with post-harvest shelf-life elongation. **2022**, 12, 0
- 524 Application of *Salvinia* sps. In remediation of reactive mixed azo dyes and Cr (VI) - Its pathway elucidation. **2022**, 114635 0
- 523 Short-term severe drought influences root volatile biosynthesis in eastern white pine (*Pinus strobus* L.). 13, 1
- 522 Exploring the effect of Jasmonic Acid for Aphids control for improving the yield of *Triticum aestivum* varieties. 10, e14018 0
- 521 Ethyl Methane Sulfonate and Sodium Azide-Mediated Chemical and X-ray-Mediated Physical Mutagenesis Positively Regulate Peroxidase 1 Gene Activity and Biosynthesis of Antineoplastic Vinblastine in *Catharanthus roseus*. **2022**, 11, 2885 0
- 520 Behavior of Photosystems II and I is Modulated Depending on N Partitioning to Rubisco in Mature Leaves Acclimated to Low N levels and Senescent Leaves in Rice. 0
- 519 Improving the Tolerance to Salinity Stress in Lettuce Plants (*Lactuca sativa* L.) Using Exogenous Application of Salicylic Acid, Yeast, and Zeolite. **2022**, 12, 1538 2
- 518 H<sub>2</sub>O<sub>2</sub> seed priming improves tolerance to salinity stress in durum wheat. 0
- 517 Different responses of growth and physiology to warming and reduced precipitation of two co-existing seedlings in a temperate secondary forest. 13, 0
- 516 Use of *Parthenium hysterophorus* with synthetic chelator for enhanced uptake of cadmium and lead from contaminated soils—step toward better public health. 10, 0
- 515 The Lebanese Red Algae *Jania rubens*: Promising Biomolecules against Colon Cancer Cells. **2022**, 27, 6617 0
- 514 Possibility of Producing Tulip Bulblet Under Drought Stress Using Potassium and Phosphorus Solubilizing Bacteria. 1-17 0
- 513 Metal Resistant *Enterobacter cloacae* ZA14 Enhanced Seedling Vigor and Metal Tolerance through Improved Growth, Physiology and Antioxidants in Tomato (*Solanum lycopersicum*) Irrigated with Textile Effluents. **2022**, 14, 13619 0
- 512 Microbial Inoculation Improves Soil Properties, Nutrient Uptake, and Plant Growth in Soft Wheat-Faba Bean Intercropping. 0
- 511 Impression of foliar-applied folic acid on coriander (*Coriandrum sativum* L.) to regulate aerial growth, biochemical activity, and essential oil profiling under drought stress. 13, 0
- 510 The intermediate in a nitrate-responsive  $\beta$ -amidase pathway in plants may signal ammonium assimilation status. 0
- 509 Exogenous Melatonin Counteracts Salinity and Cadmium Stress via Photosynthetic Machinery and Antioxidant Modulation in *Solanum lycopersicum* L. 0
- 508 Selection of Lentil (*Lens Culinaris* (Medik.)) Genotypes Suitable for High-Temperature Conditions Based on Stress Tolerance Indices and Principal Component Analysis. **2022**, 12, 1719 0



507	Evaluation of Rhizospheric-Pseudomonas spp. for the Management of Meloidogyne incognita in Tomato. <b>2022</b> , 102395	0
506	Integrative Effect of Protective Structures and Irrigation Levels on Tomato Performance in Indian Hot-Arid Region. <b>2022</b> , 11, 2743	1
505	Estimation of tobacco leaf chlorophyll content under different nitrogen levels using UAV-based multispectral camera. <b>2022</b> ,	0
504	Study on phytotoxicity evaluation and physiological properties of nicosulfuron on sugar beet (Beta vulgaris L.). 13,	0
503	Morpho-physiological Responses of Finger Millet Genotypes to PEG-Induced Osmotic Stress at an Early Seedling Stage.	0
502	Heterologous expression of Arabidopsis miR858 modulates biosynthesis of secondary metabolites and affects drought tolerance in tobacco.	0
501	Development of marine algae-encapsulated seed product for sustainable agriculture production— novel approach.	0
500	Characterization of actinobacteria from wheat seeds for plant growth promoting traits and protection against fungal pathogens.	0
499	Silencing of SIMYB50 affects tolerance to drought and salt stress in tomato. <b>2022</b> ,	3
498	Bacillus amyloliquefaciens modulate sugar metabolism to mitigate arsenic toxicity in Oryza sativa L. var Saryu-52. <b>2022</b> , 137070	0
497	The Growth and Physiological Characteristics of the Endangered CAM Plant, Nadopungnan (Sedirea japonica), under Drought and Climate Change Scenarios. <b>2022</b> , 13, 1823	1
496	An energy-efficient two-stage passively aerated trickling filter for high-strength wastewater treatment and reuse.	0
495	Melatonin delays ABA-induced leaf senescence via H <sub>2</sub> O <sub>2</sub> -dependent calcium signaling.	0
494	Integrated analysis of DNA methylation, transcriptome, and global metabolites in interspecific heterotic Capsicum F1 hybrid. <b>2022</b> , 25, 105318	0
493	Alleviation of salinity induced growth and photosynthetic decline in wheat due to biochar and jasmonic acid application involves up-regulation of ascorbate-glutathione pathway, glyoxylase system and secondary metabolite accumulation. <b>2022</b> , 24, 100603	1
492	Hydrogen peroxide regulates the biosynthesis of phenolic compounds and antioxidant quality enhancement in lettuce under low nitrogen condition. <b>2022</b> , 16, 100481	0
491	Silicon oxide nanoparticles alleviate chromium toxicity in wheat (Triticum aestivum L.). <b>2022</b> , 315, 120391	1
490	Silicon improves the effect of phosphate-solubilizing bacterium and arbuscular mycorrhizal fungus on phosphorus concentration of salinity-stressed alfalfa (Medicago sativa L.). <b>2022</b> , 24, 100619	0

- 489 Seed priming upregulates antioxidant defense and glyoxalase systems to conferring simulated drought tolerance in wheat seedlings. **2022**, 6, 100120 ○
- 488 Green root cultures for enhanced production of camptothecin in *Pyrenacantha volubilis* Hook.. **2022**, 360, 62-70 ○
- 487 Anatomical and physiological systematics of *Capparis decidua* (Forsskal.) Edgew from different habitats of Cholistan Desert, Pakistan. **2022**, 105, 104539 ○
- 486 Bio-organic fertilizer production from industrial waste and insightful analysis on release kinetics. **2023**, 325, 116378 ○
- 485 MpSNAC67 transcription factor of banana regulates stress induced senescence through salicylic acid dependent pathway. **2023**, 205, 105104 ○
- 484 Exploring the reinforcing effect of nano-potassium on the antioxidant defense system reflecting the increased yield and quality of salt-stressed squash plants. **2023**, 308, 111609 1
- 483 Potential of *Miscanthus floridulus* associated with endophytic bacterium *Bacillus cereus* BL4 to remediate cadmium contaminated soil. **2023**, 857, 159384 1
- 482 MusaNAC29-like transcription factor improves stress tolerance through modulation of phytohormone content and expression of stress responsive genes. **2023**, 326, 111507 1
- 481 Morphophysiological responses of *Zygia cataractae* (Kunth) L. Rico in flooding and submersion conditions. **2023**, 184, 103578 ○
- 480 Simulated nitrogen deposition promotes the carbon assimilation of shrubs rather than tree species in an evergreen broad-leaved forest. **2023**, 216, 114497 ○
- 479 Enhancement of Growth and Yield of *Arachis hypogaea* L. Using Different Biofertilizers. 74, 1-9 ○
- 478 Leaf-colour modification affects canopy photosynthesis, dry-matter accumulation and yield traits in rice. **2023**, 290, 108746 1
- 477 Plant-endophytic bacteria interactions associated with root and leaf microbiomes of *Cattleya walkeriana* and their effect on plant growth. **2023**, 309, 111656 1
- 476 Effect of Triple Superphosphate on Growth, Total Chlorophyll Content, Essential Oil and Fatty Acid Compositions in Shoots of Coriander (*Coriandrum sativum* L.)'. **2014**, 2, 2-11 ○
- 475 Impact of Natural and Synthetic Plant Stimulants on Moringa Seedlings Grown under Low-Temperature Conditions. 76, 50-59 ○
- 474 Cyanobacteria and Glutathione Applications Improve Productivity, Nutrient Contents, and Antioxidant Systems of Salt-Stressed Soybean Plant. 76, 72-85 ○
- 473 Impact of Ascorbic Acid Foliar Spray and Seed Treatment with Cyanobacteria on Growth and Yield Component of Sunflower Plants under Saline Soil Conditions. 76, 136-146 ○
- 472 Upregulation of genes encoding plastidic isoforms of antioxidant enzymes and osmolyte synthesis impart tissue tolerance to salinity stress in bread wheat. **2022**, 28, 1639-1655 ○

471	Grapevine Growth and Berry Development under the Agrivoltaic Solar Panels in the Vineyards. <b>2022</b> , 31, 356-365	0
470	Phyto-interactive impact of green synthesized iron oxide nanoparticles and Rhizobium pusense on morpho-physiological and yield components of greengram. <b>2022</b> ,	1
469	Thymoquinone Alleviates Cadmium Induced Stress in Germinated Lens culinaris Seeds by Reducing Oxidative Stress and Increasing Antioxidative Activities. <b>2022</b> , 12, 1779	1
468	Relative contribution of ion exclusion and tissue tolerance traits govern the differential response of rice towards salt stress at seedling and reproductive stages. <b>2022</b> , 105131	1
467	Reversible changes in structure and function of photosynthetic apparatus of pea ( Pisum sativum ) leaves under drought stress.	2
466	Impacts of the Inoculation of Piriformospora indica on Photosynthesis, Osmoregulatory Substances, and Antioxidant Enzymes of Alfalfa Seedlings under Cadmium Stress. <b>2022</b> , 12, 1928	0
465	Physiological effects of ̢-aminobutyric acid application on cold tolerance in Medicago ruthenica. 13,	0
464	Co-Application of Nitric Oxide and Vermicompost Improves Photosynthetic Functions, Antioxidants, and Nitrogen Metabolism in Maize (Zea mays L.) Grown Under Drought Stress.	0
463	Overexpression of GPS and FPS from Chrysanthemum indicum var. aromaticum resulted in modified trichome formation and terpenoid biosynthesis in tobacco.	0
462	Acinetobacter schindleri SR-511 decipher morpho-physio-biochemical and nutritional improvements to Pisum sativum L. and Linum usitatissimum L. maintained under wastewater/cadmium stress.	0
461	Integration of metabolome and transcriptome analyses reveals the mechanism of anthocyanin accumulation in purple radish leaves.	0
460	An in planta approach for understanding defense responses in tomato plants against Fusarium oxysporum Schltdl.	0
459	Growth kinetics, improved plant growth and alleviation of water stress in tomato by water stress tolerant bacteria.	0
458	Acetic Acid Mitigates Salinity-Induced Toxic Effects in Wheat by Maintaining Photosynthetic Efficiency, Antioxidant Activities, Ionic Homeostasis, and Synthesis of Stress-Protection Hormones and Osmolytes.	0
457	Overexpression of Setaria italica phosphoenolpyruvate carboxylase gene in rice positively impacts photosynthesis and agronomic traits. <b>2022</b> ,	1
456	Investigating the Effects of 2850 MHz Electromagnetic Field Radiations on the Growth, Germination and Antioxidative Defense System of Chickpea (Cicer arietinum L.) Seedlings. <b>2022</b> , 69,	0
455	Vehicular emission and its impact on heavy metal accumulation and photosynthetic pigments on pine needles in Pahalgam forest ecosystem.	0
454	Interactive effects of deficit irrigation and vermicompost on yield, quality, and irrigation water use efficiency of greenhouse cucumber. <b>2022</b> , 14, 1274-1292	0

- 453 Use of plant growth regulators to reduce 2-methyl-4-chlorophenoxy acetic acid-Na (MPCA-Na) damage in cotton (*Gossypium hirsutum*). **2022**, 22, ○
- 452 Effect of chitosan seed priming on mungbean seedlings subjected to different levels of water potential. **2023**, 45, ○
- 451 Foliar Application of Melatonin Improves the Salt Tolerance, Ion and Redox Homeostasis and Seed Oil Fatty Acid Profile in *Camelina sativa*. **2022**, 11, 3113 ○
- 450 Seedling Stage Heat Tolerance Mechanisms in Pearl Millet (*Pennisetum glaucum* (L.) R. Br.). **2022**, 69, ○
- 449 The Effect of *Pseudomonas putida* and Spermine on Growth and Bioactive Metabolites of *Hemerocallis fulva* L. Leaves. **2022**, 69, ○
- 448 Effects of Red and Blue Light on Potato Leaf Senescence and Tuber-Seed Yield. **2022**, 69, ○
- 447 Induction of salt tolerance in *Brassica rapa* by nitric oxide treatment. 13, ○
- 446 Salt Stress is Alleviated by Either Proline or Silicon But Not by Their Combination in Alfalfa (*Medicago sativa* L.) Inoculated with a Salt-Tolerant Ensifer *meliloti* Strain. ○
- 445 A glutathione-independent DJ-1/PfpI domain-containing tomato glyoxalaseIII2 , SGLYIII2 , confers enhanced tolerance under salt and osmotic stresses. ○
- 444 Silicon Improves Plant Growth-Promoting Effect of Nodule Non-Rhizobial Bacterium on Nitrogen Concentration of Alfalfa Under Salinity Stress. ○
- 443 Towards an In Vitro 3D Model for Photosynthetic Cancer Treatment: A Study of Microalgae and Tumor Cell Interactions. **2022**, 23, 13550 ○
- 442 Negative impacts of nanoplastics on the purification function of submerged plants in constructed wetlands: Responses of oxidative stress and metabolic processes. **2022**, 227, 119339 ○
- 441 Evaluation of horse gram (*Macrotyloma uniflorum*) for moisture stress tolerance at seedling and reproductive stage. ○
- 440 Effect of different waterlogging periods on biochemistry, growth, and chlorophyll a fluorescence of *Arachis hypogaea* L.. 13, ○
- 439 Seed priming with Calcium oxide nanoparticles improves germination, biomass, antioxidant defence and yield traits of canola plants under drought stress. **2022**, 151, 889-899 2
- 438 Effects of sucrose concentration and membrane filter number on the growth and volatile compounds of micropropagated *Lippia rotundifolia* Cham. Plantlets. **2022**, 151, 800-807 ○
- 437 Various Biochemical Changes of African Marigold Seedlings under Sugar Mill Effluent Stress. 50, 18-22 ○
- 436 Evaluation of Genetic Diversity and Drought Tolerance among Thirty-Three *Dichondra* (<i>Dichondra repens</i>) Genotypes. **2022**, 1-8 ○

- 435 Triacontanol priming as a smart strategy to attenuate lead toxicity in *Brassica oleracea* L.. 1-16 ○
- 434 A Pan-Transcriptome Analysis Indicates Efficient Downregulation of the FIB Genes Plays a Critical Role in the Response of Alfalfa to Cold Stress. **2022**, 11, 3148 ○
- 433 Heterologous overexpression of HIOMT alleviates alkaline stress in apple plants by increasing melatonin concentration. **2023**, 309, 111598 ○
- 432 Exogenous menadione sodium bisulphite alleviates detrimental effects of alkaline stress on wheat (*Triticum aestivum* L.). ○
- 431 Suppression of dry root rot disease caused by *Rhizoctonia bataticola* (Taub.) Butler in chickpea plants by application of thiamine loaded chitosan nanoparticles. **2022**, 105893 ○
- 430 Differential of three fields grown *Juniperus* species summer drought and cold hardening. 28, ○
- 429 Global and Comparative Proteome Analysis of Nitrogen-Stress Responsive Proteins in the Root, Stem and Leaf of *Brassica napus*. **2023**, 92, 645-663 ○
- 428 Growth, Photosynthesis, and Gene Expression of Bermudagrass in Response to Salinity and Shade Stress. **2023**, 148, 1-8 ○
- 427 Enhancement of camptothecin biosynthesis in the green root cultures of *Pyrenacantha volubilis* Hook. under varied concentrations of ammonium nitrate and sucrose along with exogenous elicitors. **2023**, 192, 116000 ○
- 426 Comparative morphological, physiological and molecular analyses of drought-stressed strawberry plants affected by SiO<sub>2</sub> and SiO<sub>2</sub>-NPs foliar spray. **2023**, 309, 111686 1
- 425 Phytochrome A mediated modulation of photosynthesis, development and yield in rice (*Oryza sativa* L.) in fluctuating light environment. **2023**, 206, 105183 ○
- 424 Exocyst subunit VviExo70B is degraded by ubiquitin ligase VviPUB19 and they regulate drought and salt tolerance in grapevine. **2023**, 206, 105175 ○
- 423 Phytomanagement of iron mine soil by *Ricinus communis* L. and garden soil. **2023**, 313, 137534 ○
- 422 Endophytic *Fusarium clavum* confers growth and salt tolerance in *Cucumis melo*. **2023**, 206, 105153 ○
- 421 Prospective of biosurfactant in management of fusarium wilt and early blight of *Lycopersicon esculentum*. **2023**, 7, 100126 ○
- 420 Low temperature stress modulates the biochemical, metabolic, and molecular behavior of the Trans-Himalayan medicinal herb *Rheum spiciforme* Royle (spiked rhubarb). **2023**, 193, 116154 ○
- 419 Foliar application of nanoceria attenuated cadmium stress in okra (*Abelmoschus esculentus* L.). **2023**, 445, 130567 ○
- 418 Amelioration of heat stress during reproductive stage in rice by melatonin. **2019**, 89, ○

- 417 Influence of exogenous ascorbic acid on vase life and biochemical constituents of chrysanthemum (*Chrysanthemum morifolium*). **2019**, 89, ○
- 416 Antityrosinase activity and photosynthetic pigments in seaweed treated sprouts of *Vigna aconitifolia*. **2019**, 89, ○
- 415 A Sustainable Option of Developing Kitchen Gardens Based on Air Pollution Tolerance Index (APTI) Method of Plants with Edible Leaves for Health and Well Being. 54-67 ○
- 414 Integrated metabolome and transcriptome analysis revealed carotenoid metabolism difference in pepper (&i&t;Capsicum annum&/i&t; L.) yellowing mutants under different light quality. **2022**, 2, 1-14 ○
- 413 Aproveitamento de água residual de bovinocultura leiteira no cultivo de citronela: Efeitos na atividade fotoquímica e na biomassa. **2020**, 117-133 ○
- 412 The impact of phytochemical, morpho-physiological, and biochemical changes of *Lallemantia royleana* (Benth.) on drought tolerance. **2022**, 25, 440-457 ○
- 411 MULTIVARIATE ANALYSIS OF SOURSOP UNDER SALT STRESS AND EXOGENOUS APPLICATION OF HYDROGEN PEROXIDE1. **2022**, 35, 936-944 ○
- 410 Variation of some growth, agronomical and biochemical parameters of *Vigna unguiculata* (L. Walp) under salinity stress. **2022**, 18, 956-966 ○
- 409 Inoculation of plant-growth-promoting rhizobacteria and earthworms in the rhizosphere reinstates photosynthetic attributes and secondary metabolites in *Brassica juncea* L. under chromium toxicity. ○
- 408 Molecular and Physiological Evaluation of Bread Wheat (*Triticum aestivum* L.) Genotypes for Stay Green under Drought Stress. **2022**, 13, 2261 ○
- 407 Endophytic bacteria from diseased plant leaves as potential biocontrol agents of cucumber *Fusarium* wilt. ○
- 406 SLS5H silencing reveals specific pathogen-triggered salicylic acid metabolism in tomato. **2022**, 22, ○
- 405 Application of silicon coupled with sulfate improve the drought tolerance in sunflower via modulating the morpho-physiological and antioxidants defense mechanisms. ○
- 404 Jewel Orchid Biology and Physiological Response to Aquaponic Water as a Potential Fertilizer. **2022**, 11, 3181 ○
- 403 Biochemical responses in cotton as diagnostic parameter for resistance against cotton leaf curl virus (CLCuV). ○
- 402 Methionine-Induced Regulation of Secondary Metabolites and Antioxidants in Maize (*Zea mays* L.) Subjected to Salinity Stress. ○
- 401 Study on the Bioconversion of Curcumin to Calebin-A Using *Spirulina subsalsa* and Its Taxonomic Resolution Using 16S rRNA Analysis. ○
- 400 Phytoaccumulation of zinc from contaminated soil using ornamental plants species *Helianthus annuus* L. and *Tagetes erecta* L.. 1-17 ○

- 399 Proteomic Analysis of Barley (*Hordeum vulgare* L.) Leaves in Response to Date Palm Waste Compost Application. **2022**, 11, 3287 ○
- 398 Acidified Cow Dung-Assisted Phytoextraction of Heavy Metals by Ryegrass from Contaminated Soil as an Eco-Efficient Technique. **2022**, 14, 15879 ○
- 397 Cultivar assortment index (CAI): a tool to evaluate the ozone tolerance of Indian Amaranth (*Amaranthus hypochondriacus* L.) cultivars. ○
- 396 Exogenous application of Atonik (sodium nitrophenolate) under skip irrigation regimes modulated the physiology, growth and productivity of *Zea mays* L. 1-15 1
- 395 Morpho-physiological and demographic responses of three threatened *Ilex* species to changing climate aligned with species distribution models in future climate scenarios. **2023**, 195, ○
- 394 Co-elevation of atmospheric [CO<sub>2</sub>] and temperature alters photosynthetic capacity and instantaneous water use efficiency in rice cultivars in a cold-temperate region. 13, ○
- 393 Remediation of Agricultural Soil by the Use of Halophytic Crops Under Heavy Metals Conditions in Semi-Arid Environments. ○
- 392 *Cistus monspeliensis* extract as a prospective biostimulant in enhancing tolerance to cadmium in sorghum plant. ○
- 391 Nanopriming-mediated memory imprints reduce salt toxicity in wheat seedlings by modulating physiobiochemical attributes. **2022**, 22, ○
- 390 Protective enzyme activity regulation in cotton (*Gossypium hirsutum* L.) in response to *Scirpus planiculmis* stress. 13, ○
- 389 Estimation of Phytochemicals and Enzyme Activities in Forages. **2023**, 147-164 ○
- 388 A Comparative Evaluation of Aquaponic and Soil Systems on Yield and Antioxidant Levels in Basil, an Important Food Plant in Lamiaceae. **2022**, 12, 3007 2
- 387 Zinc oxide nanoparticles in combination with biochar alleviates arsenic accumulation in field grown rice crop. ○
- 386 Morphological and Physiological Responses of In Vitro-Grown *Cucurbita* sp. Landraces Seedlings under Osmotic Stress by Mannitol and PEG. **2022**, 8, 1117 ○
- 385 Cell Wall Matrix Polysaccharides Contribute to SaltAlkali Tolerance in Rice. **2022**, 23, 15019 1
- 384 Impact of Foliar Application of ZnO and Fe<sub>3</sub>O<sub>4</sub> Nanoparticles on Seed Yield and Physio-Biochemical Parameters of Cucumber (*Cucumis sativus* L.) Seed under Open Field and Protected Environment vis a vis during Seed Germination. **2022**, 11, 3211 ○
- 383 Soybean morphology and physiology in mahogany agroforestry system with organic fertilizer application. **2022**, 1114, 012043 ○
- 382 Foliar Application of Gibberellin Alleviates Adverse Impacts of Drought Stress and Improves Growth, Physiological and Biochemical Attributes of Canola (*Brassica napus* L.). **2023**, 15, 78 ○

- 381 Exogenous melatonin ameliorates drought stress in *Agropyron mongolicum* by regulating flavonoid biosynthesis and carbohydrate metabolism. 13, 0
- 380 Responses of *Lilium* hybrid 'Brindisi' to varying periods of waterlogging at vegetative stages. 66, 287-297 0
- 379 Are Foliar Nutrition Status and Indicators of Oxidative Stress Associated with Tree Defoliation of Four Mediterranean Forest Species?. **2022**, 11, 3484 1
- 378 Roles of salicylic acid in selenium-enhanced salt tolerance in tomato plants. 0
- 377 Melatonin Affects the Photosynthetic Performance of Pepper (*Capsicum annuum* L.) Seedlings under Cold Stress. **2022**, 11, 2414 0
- 376 Variation in the Eggplant (*Solanum melongena*) Genotypes for Health-Promoting Bioactive Compounds and Agro-Morphological Traits. 0
- 375 Effects of Extracts Containing Metabolites of Different Cyanobacteria from an Ambient Spring (Central Europe) on Zooplankters *Daphnia magna* and Duckweed *Spirodela polyrhiza*. **2022**, 14, 4107 0
- 374 Genome-Wide Association Study (GWAS) and genome prediction of seedling salt tolerance in bread wheat (*Triticum aestivum* L.). **2022**, 22, 0
- 373 Evaluation of the Fungicidal Effect of Some Commercial Disinfectant and Sterilizer Agents Formulated as Soluble Liquid against *Sclerotium rolfsii* Infected Tomato Plant. **2022**, 11, 3542 1
- 372 Hydrogen Peroxide Promotes Terminal Heat Stress Recovery in Wheat by Strengthening Leaf Physiological Functioning. 0
- 371 Effect of Integrated Nutrient Management and Foliar Spray of Zinc in Nanoform on Rice Crop Nutrition, Productivity and Soil Chemical and Biological Properties in Inceptisols. 0
- 370 Acetone O-(4-chlorophenylsulfonyl)Oxime as an Agent Alleviating the Adverse Effects of Drought Stress in Maize. 2014-2026 0
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- 368 Salicylic acid increases tolerance of *Vigna mungo* cv. T9 to short-term drought stress. **2023**, 45, 0
- 367 Development of *Chlorella pyrenoidosa* EMS mutants with enhanced biomass and lipid content for biofuel production. 0
- 366 Interactive effect of 24-epibrassinolide and plant growth promoting rhizobacteria inoculation restores photosynthetic attributes in *Brassica juncea* L. under chlorpyrifos toxicity. **2022**, 120760 0
- 365 Identification and characterization of a curly-leaf locus CL1 encoding an IAA2 protein in *Brassica napus*. **2022**, 0
- 364 Iron Sulfate (FeSO<sub>4</sub>) Improved Physiological Attributes and Antioxidant Capacity by Reducing Oxidative Stress of *Oryza sativa* L. Cultivars in Alkaline Soil. **2022**, 14, 16845 3



- 363 The Effects of Submergence on Selected Malaysian Rice Varieties. **2022**, 51, 97-106 ○
- 362 Impact of acidified carbon on maize growth, yield and grains nutrients concentration under normal irrigation and osmotic stress. **2022**, 102505 ○
- 361 Bacterial consortium (*Priestia endophytica* NDAS01F, *Bacillus licheniformis* NDSA24R, and *P. flexa* NDAS28R) and thiourea mediated amelioration of arsenic stress and growth improvement of *Oryza sativa* L. **2022**, ○
- 360 Impacts of Pb-Induced Oxidative Stress on Morphological, Physiological and Biochemical Properties of Tree Species. **2022**, 9, ○
- 359 Alleviation of Cr(VI) Toxicity and Improve Phytostabilization Potential of *Vigna radiata* Using a Novel Cr(VI) Reducing Multi-Stress-Tolerant Plant Growth Promoting Rhizobacterial Strain *Bacillus flexus* M2. **2022**, 12, 3079 ○
- 358 Overexpression of CiMYC2 Transcription Factor from *Chrysanthemum indicum* var. *aromaticum* Resulted in Modified Trichome Formation and Terpenoid Biosynthesis in Transgenic Tobacco. ○
- 357 Citric acid assisted phytoextraction of nickle from soil helps to tolerate oxidative stress and expression profile of NRAMP genes in sunflower at different growth stages. 13, ○
- 356 Comparison of *Serendipita indica* Inoculums and a Commercial Biofertilizer Effects on Physiological Characteristics and Antioxidant Capacity of Maize Under Drought Stress. ○
- 355 Impact of Organic Compost Prepared From Different Plant-Based Residues on Seed Germination and Early Seedling Growth Performance of *Vigna Radiata* (L.) Wilczek. ○
- 354 Biochemical changes, biomass production, and productivity of *Triticum aestivum* as a function of increasing molybdenum application. 1-12 ○
- 353 Rhizosphere *Priestia* species altered cowpea root transcriptome and enhanced growth under drought and nutrient deficiency. **2023**, 257, ○
- 352 Co-application of ACC deaminase-producing rhizobial bacteria and melatonin improves salt tolerance in common bean (*Phaseolus vulgaris* L.) through ion homeostasis. **2022**, 12, ○
- 351 Comparative Assessment of Remediation Potential of *Xanthium strumarium* Ecotypes in NaCl-Affected Root Zone. **2022**, 233, ○
- 350 *Piper caninum* extract and *Brevibacillus agri* mixture suppresses rice leaf spot pathogen; *Nigrospora oryzae* and improves the production of red rice (*Oryza sativa* L). 6, ○
- 349 Association of nitrogen use efficiency in diverse rice genotypes with sustenance of reproductive stage photoassmilation and nitrogen metabolism. ○
- 348 The AP2/ERF transcription factor SIERF.J2 functions in hypocotyl elongation and plant height in tomato. ○
- 347 ACC Deaminase Produced by PGPR Mitigates the Adverse Effect of Osmotic and Salinity Stresses in *Pisum sativum* through Modulating the Antioxidants Activities. **2022**, 11, 3419 ○
- 346 Hydropriming and Osmotic Priming Induce Resistance against *Aspergillus niger* in Wheat (*Triticum aestivum* L.) by Activating  $\beta$ 1, 3-glucanase, Chitinase, and Thaumatin-like Protein Genes. **2022**, 12, 2061 ○

- 345 Overexpression of the AGL42 gene in cotton delayed leaf senescence through downregulation of NAC transcription factors. **2022**, 12, ○
- 344 Evaluation of the optimum threshold of gamma-ray for inducing mutation on *Polianthes tuberosa* cv. Double and analysis of genetic variation with RAPD marker. 1-26 ○
- 343 Biochar Amendment in Combination with Endophytic Bacteria Stimulates Photosynthetic Activity and Antioxidant Enzymes to Improve Soybean Yield Under Drought Stress. ○
- 342 Integrative physiological and metabolomics study reveals adaptive strategies of wheat seedlings to salt and heat stress combination. 1
- 341 Metabolome and Transcriptome Analysis Reveals Molecular Mechanisms of Watermelon Under Salt Stress. **2022**, 105200 ○
- 340 Genomics of turions from the Greater Duckweed reveal its pathways for dormancy and reemergence strategy. ○
- 339 Exogenous Gallic Acid Confers Salt Tolerance in Rice Seedlings: Modulation of Ion Homeostasis, Osmoregulation, Antioxidant Defense, and Methylglyoxal Detoxification Systems. **2023**, 13, 16 1
- 338 The modified biochars influence nutrient and osmotic statuses and hormonal signaling of mint plants under fluoride and cadmium toxicities. 13, ○
- 337 Overexpression of PvBiP2 improved biomass yield and cadmium tolerance in switchgrass (*Panicum virgatum* L.). **2022**, 130648 ○
- 336 Environmental sustainability and resilience; Phytoremediation of heavy metals and plant physiological response in the Marble waste polluted ecosystem. **2022**, 135733 1
- 335 Salt stress in plants and amelioration strategies: alleviation of agriculture and livelihood risks after the Covid-19 pandemic. ○
- 334 Evaluation of physio-biochemical criteria in maize inbred lines and their F1 hybrids grown under water-deficit conditions. **2022**, 67, 220-231 ○
- 333 Myo-inositol phosphate synthase improves heat stress tolerance by ethylene-mediated modulation of chlorophyll content and photosynthetic efficiency. ○
- 332 Frequency and spectrum of M2 mutants and genetic variability in cyto-agronomic characteristics of fenugreek induced by caffeine and sodium azide. 13, ○
- 331 Moderate Salinity of Nutrient Solution Improved the Nutritional Quality and Flavor of Hydroponic Chinese Chives (*Allium tuberosum* Rottler). **2023**, 12, 204 ○
- 330 Protein kinase MtCIPK12 modulates iron reduction in *Medicago truncatula* by regulating riboflavin biosynthesis. ○
- 329 Phytomediated Selenium Nanoparticles Improved Physio-morphological, Antioxidant, and Oil Bioactive Compounds of Sesame under Induced Biotic Stress. ○
- 328 Physiological, Biochemical, and Epigenetic Reaction of Maize (*Zea mays* L.) to Cultivation in Conditions of Varying Soil Salinity and Foliar Application of Silicon. **2023**, 24, 1141 ○

- 327 Impact of streetlights on physiology, biochemistry and diversity of urban bryophyte: a case study on moss *Semibarbula orientalis*. **2022**, 8, ○
- 326 Growth enhancement and extenuation of drought stress in maize inoculated with multifaceted ACC deaminase producing rhizobacteria. 6, ○
- 325 Root morphology, growth, and physiology in *Begonia* (*Malus micromalus*) grown in copper hydroxide containers. ○
- 324 Textile wastewater phytoremediation using *Spirodela polyrhiza* (L.) Schleid. Assisted by novel bacterial consortium in a two-step remediation system. **2023**, 115307 ○
- 323 Overexpression of a C3HC4-type RING E3 ligase gene, *OsRFPHC-13*, improves salinity resistance in rice, *Oryza sativa*, by altering the expression of Na<sup>+</sup>/K<sup>+</sup> transporter genes. **2023**, 105224 ○
- 322 Hormonal and Physiological Changes in Miniature Roses (*Rosa chinensis* Jacq. var. *minima* Rehd.) Exposed to Water Deficit and Salinity Stress Conditions. ○
- 321 *Beauveria bassiana* Water Extracts Effect on the Growth of Wheat. **2023**, 12, 326 ○
- 320 The native strain *Paenibacillus* sp. A224 induces systemic tolerance and mitigates stresses caused in peanut plants by high temperatures and the pathogen *Sclerotium rolfsii*. ○
- 319 *Bacillus altitudinis* -Stabilized Multifarious Copper Nanoparticles Prevent Bacterial Fruit Blotch in Watermelon (*Citrullus lanatus* L.): Direct Pathogen Inhibition, In Planta Particles Accumulation, and Host Stomatal Immunity Modulation. 2207136 ○
- 318 Morpho-Physiological and Biochemical Responses of Field Pea Genotypes under Terminal Heat Stress. **2023**, 12, 256 ○
- 317 Effect of Micronutrients on the Biochemical Contents of Mulberry (*Morus Alba* L. Moraceae) Leaves. **2023**, 10, 216-229 ○
- 316 Association analysis and evaluation of genetic diversity of *Teucrium stocksianum* Boiss. populations using ISSR markers. ○
- 315 Physiological and Molecular Responses of Wheat to Low Light Intensity. **2023**, 13, 272 ○
- 314 Effects of Elevated CO<sub>2</sub> on the Photosynthesis, Chlorophyll Fluorescence and Yield of Two Wheat Cultivars (*Triticum aestivum* L.) under Persistent Drought Stress. **2023**, 15, 1593 ○
- 313 *Chlamydomonas reinhardtii* mutants deficient for Old Yellow Enzyme 3 exhibit increased photooxidative stress. **2023**, 7, ○
- 312 Transcriptomic and physiological analysis of *Spirodela polyrrhiza* responses to sodium nitroprusside. ○
- 311 CaO nanoparticle enhances the seedling growth of *Onobrychis viciifolia* under drought stress via mannitol use. ○
- 310 Growth, Physiological, and Biochemical Responses of Ethiopian Red Pepper (*Capsicum annum* L.) Cultivars to Drought Stress. **2023**, 2023, 1-21 ○

- 309 Early response of *Solanum nigrum* L. to Lumax and castor oil combination in relation to antioxidant activity, osmolyte concentration and chlorophyll a fluorescence. **2023**, 13, 0
- 308 Transcriptome Analysis of the Regulatory Mechanism of Exogenous Spermidine in High Temperature Stress Resistance of Tomato Seedlings. **2023**, 13, 285 0
- 307 LHCA4 residues surrounding red chlorophylls allow for fine-tuning of the spectral region for photosynthesis in *Arabidopsis thaliana*. 13, 0
- 306 Exogenous SA Applications Alleviate Salinity Stress via Physiological and Biochemical changes in *St John's Wort* Plants. **2023**, 12, 310 0
- 305 The co-inoculation of *Pseudomonas chlororaphis* H1 and *Bacillus altitudinis* Y1 promoted soybean [*Glycine max* (L.) Merrill] growth and increased the relative abundance of beneficial microorganisms in rhizosphere and root. 13, 0
- 304 Seed nanopriming with zinc oxide improves wheat growth and photosynthetic performance in wheat under drought stress. 1
- 303 Different Photosynthetic Response to High Light in Four Triticeae Crops. **2023**, 24, 1569 1
- 302 Characterizing stomatal attributes and photosynthetic induction in relation to biochemical changes in *Coriandrum sativum* L. by foliar-applied zinc oxide nanoparticles under drought conditions. 13, 0
- 301 Overexpression of Tomato ACL5 Gene in Tobacco Leads to Increased Plant Growth and Delayed the Onset of Leaf Senescence. 0
- 300 Nitrogen Application Promotes Drought-Stressed Sugar Beet Growth by Improving Photosynthesis, Osmoregulation, and Antioxidant Defense. 0
- 299 Microbial fermentation products elicit salicylic acid or jasmonic acid related defence pathways in *Solanum lycopersicum*. 0
- 298 *Nerium oleander* could be used for sustainable management of traffic-borne elemental-enriched roadside soils. 0
- 297 Integrated diagnosis and time-series sensitivity evaluation of nutrient deficiencies in medicinal plant (*Ligusticum chuanxiong* Hort.) based on UAV multispectral sensors. 13, 0
- 296 Effects of Zinc Oxide and Silicon Dioxide Nanoparticles on Physiological, Yield, and Water Use Efficiency Traits of Potato Grown under Water Deficit. **2023**, 12, 218 2
- 295 Role of foliar spray of plant growth regulators in improving photosynthetic pigments and metabolites in *Plantago ovata* (Psyllium) under salt stressA field appraisal. **2023**, 47, 523-532 0
- 294 Correlations between R, G, and B Values, Pigment Concentration, and Nitrogen Status in Three Ornamental Potted Plants. **2023**, 13, 177 0
- 293 Ecological health risk assessment of microplastics and heavy metals in sediments, water, hydrophytes (*Alternanthera philoxeroides*, *Typha latifolia*, and *Ipomoea carnea*), and fish (*Labeo rohita*) in Marala wetlands in Sialkot, Pakistan. 0
- 292 Effect of Foliar Application of Amino Acids on Grain Yield and Physiological Traits of Chickpea under Drought Stress. 0

- 291 Native Arbuscular Mycorrhizal Inoculum Modulates Growth, Oxidative Metabolism and Alleviates Salinity Stresses in Legume Species. **2023**, 80, 0
- 290 Overexpression of zinc finger (GpZF) transcription factor promotes drought tolerance in grass pea (*Lathyrus sativus* L.). **2023**, 153, 178-187 0
- 289 Health assessment of industrial ecosystems of Isfahan (Iran) using phytomonitoring: Chemometric, micromorphology, phytoremediation, air pollution tolerance and anticipated performance indices. **2023**, 48, 101394 1
- 288 1-Methylcyclopropene delays degradation of peel greenness but induces internal physiological disorders in cold-stored fruit of interspecific pears. **2023**, 312, 111852 0
- 287 Cold priming improves chilling resistance in wheat seedlings: Changing of photosystem II imprints during recovery from priming. **2023**, 207, 105220 0
- 286 Effective drought mitigation by rhizobacteria consortium in wheat field trials. **2023**, 25, 100653 0
- 285 Evaluation of biochemical and molecular response of onion breeding lines to drought and salt stresses. **2023**, 311, 111802 0
- 284 Production of sage, oregano and rosemary under shading conditions and the effects of light on growth and essential oil properties. **2023**, 193, 116254 0
- 283 Assessment and mitigation of soil water stress of rainfed lentil (*Lens culinaris* Medik) through sowing time, tillage and potassic fertilization disparities. **2023**, 277, 108120 0
- 282 Proactive attenuation of arsenic-stress by nano-priming: Zinc Oxide Nanoparticles in *Vigna mungo* (L.) Hepper trigger antioxidant defense response and reduce root-shoot arsenic translocation. **2023**, 446, 130735 0
- 281 Physiological and genetic responses of lentil (*Lens culinaris*) under flood stress. **2023**, 7, 100130 0
- 280 Scientific basis for the use of minimally processed homogenates of *Kappaphycus alvarezii* (red) and *Sargassum wightii* (brown) seaweeds as crop biostimulants. **2023**, 70, 102969 0
- 279 Spectral properties and stability of selected carotenoid and chlorophyll compounds in different solvent systems. **2023**, 2, 100178 0
- 278 Short-Term Limited Water Irrigation Influences the Photosynthetic Pigments, Enzymatic and Non-Enzymatic Activities in *Saccharum spontaneum* L. at Vegetative Stage. **2023**, 25, 110-118 0
- 277 Sivas ve Tokat İlerinden Toplanan Akasya Bitkisi Yapraklarındaki (Robinia pseudoacacia L.) Bazı Besin Elementi Konsantrasyonları ve Antioksidan Enzim Aktivitelerinin Belirlenmesi. 0
- 276 Phytochemical Profiles, Antioxidant, Antimicrobial and Cytotoxic cell lines activity of *Passiflora caerulea* L.. **2022**, 15, 2365-2379 0
- 275 Azolla (*Azolla pinnata*) Mitigated Water Stress and Enhanced Fruit Yield of Mango Plants (*Mangifera indica* L.) in Arid-degraded Soil. 0
- 274 Foliar Application of Ethylenediamine Tetraacetic Acid (EDTA) Improves the Growth and Yield of Brown Mustard (*Brassica Juncea*) by Modulating Photosynthetic Pigments, Antioxidant Defense, and Osmolyte Production under Lead (Pb) Stress. **2023**, 12, 115 0

273	The Effect of Banana Rhizosphere Chemotaxis and Chemoattractants on <i>Bacillus velezensis</i> LG14-3 Root Colonization and Suppression of Banana Fusarium Wilt Disease. <b>2023</b> , 15, 351	0
272	Integrated Effects of Nitrogen Fertilizer, Biochar, and Salicylic Acid on Yield and Fatty Acid Profile of Six Rapeseed Cultivars.	0
271	Association mapping for protein, total soluble sugars, starch, amylose and chlorophyll content in rice. <b>2022</b> , 22,	2
270	Overexpression of a WRKY transcription factor McWRKY57-like from <i>Mentha canadensis</i> L. enhances drought tolerance in transgenic <i>Arabidopsis</i> .	0
269	Optimizing Antioxidant Activity and Phytochemical Properties of Peppermint ( <i>Mentha piperita</i> L.) by Integrative Application of Biofertilizer and Stress-Modulating Nanoparticles under Drought Stress Conditions. <b>2023</b> , 12, 151	4
268	Changes in Growth Characteristics and Physiological Activity of <i>Cnidium officinale</i> Makino according to the Climate Change Scenario (RCP). <b>2022</b> , 30, 450-461	0
267	Phytochemical Changes during Ripening in Pomegranate ( <i>Punica Granatum</i> L.) Varieties. 234-238	0
266	Influence and damage potential of cercospora leaf spot disease and root-knot nematode, <i>Meloidogyne incognita</i> on plant growth parameters of <i>Vigna radiata</i> .	0
265	Physiological and Biochemical Responses of Commercial Strawberry Cultivars under Optimal and Drought Stress Conditions. <b>2023</b> , 12, 496	1
264	Characterization of the preferred cation cofactors of chloroplast protein kinases in <i>Arabidopsis thaliana</i> .	0
263	Rhizobium induced modulation of growth and photosynthetic efficiency of <i>Lens culinaris</i> Medik. grown on fly ash amended soil by antioxidants regulation.	0
262	Growth, yield and fiber quality characteristics of Bt and non-Bt cotton cultivars in response to boron nutrition. <b>2023</b> , 6,	0
261	The comparative effects of manganese nanoparticles and their counterparts (bulk and ionic) in <i>Artemisia annua</i> plants via seed priming and foliar application. 13,	0
260	Transcriptomic analysis of tomato growth inhibition in response to an aqueous extract from soil continuously cropped with okra.	0
259	Enhancement in Ni <sup>II</sup> Phytoremediation Efficiency of <i>Helianthus annuus</i> L. from Battery Waste Contaminated Soil by Bacterial Augmentation, Isolated from E-Waste Contaminated Sites. <b>2023</b> , 17,	0
258	Photosynthesis and carbon sequestration efficacy of <i>Conocarpus erectus</i> L. (Combretaceae) grown under elevated CO <sub>2</sub> atmosphere.	0
257	Changes in chlorophyll metabolism, Rubisco gene expression, and antioxidant metabolites of <i>Ocimum basilicum</i> seedlings subjected to clinorotation.	0
256	A Perspective Review on Understanding Drought Stress Tolerance in Wild Banana Genetic Resources of Northeast India. <b>2023</b> , 14, 370	0

- 255 Analysis of agronomic traits and regulatory mechanism of a semi-dwarf, albino and blue grain wheat line. ○
- 254 Multi-trait Halotolerant Plant Growth-promoting Bacteria Mitigate Induced Salt Stress and Enhance Growth of *Amaranthus Viridis*. ○
- 253 Response of Maize Yield and Nutrient Uptake to Indigenous Organic Fertilizer from Corn Cobs. **2023**, 13, 309 ○
- 252 Root Exudates of Fifteen Common Weed Species: Phytochemical Screening and Allelopathic Effects on *T. aestivum* L.. **2023**, 13, 381 ○
- 251 Ascorbic and Salicylic Acids Vitalized Growth, Biochemical Responses, Antioxidant Enzymes, Photosynthetic Efficiency, and Ionic Regulation to Alleviate Salinity Stress in *Sorghum bicolor*. ○
- 250 Alleviation of drought stress and mediated antioxidative defense in wheat through moringa leaf extract hormones. **2023**, 16, ○
- 249 Effects of Exogenous Application of 24-Epibrassinolide on Photosynthesis Parameters, Grain Yield, and Protein of Dragon Head (*Lallemantia iberica*) Under Drought Stress Conditions. ○
- 248 Evaluation of Soil Loss Tolerance and Tree Growth Features Based on Planting Ground Methods in the Alpine Center, Degraded Forestland in the Republic of Korea. **2023**, 14, 200 ○
- 247 Cold Tolerance Mechanisms in Mungbean (*Vigna radiata* L.) Genotypes during Germination. **2023**, 13, 315 ○
- 246 Melatonin-priming enhances maize seedling drought tolerance by regulating the antioxidant defense system. ○
- 245 Multitrait *Pseudomonas* sp. isolated from the rhizosphere of *Bergenia ciliata* acts as a growth-promoting bioinoculant for plants. 7, 1
- 244 Constant and Intermittent Contact with the Volatile Organic Compounds of *Serendipita indica* Alleviate Salt Stress In Vitro *Ocimum basilicum* L.. **2023**, 13, 1776 ○
- 243 Mycorrhizal symbiosis alleviate salinity stress in pistachio plants by altering gene expression and antioxidant pathways. ○
- 242 Allelochemicals extract of star fruit (*Averrhoa carambola* L.) modulates wheat growth through alterations in anatomical architecture. **2023**, ○
- 241 Effect of Copper (Cu) Induced Toxicity on Growth and Yield of *Cichorium intybus* L. and its Soil Remediation Potential. ○
- 240 Foliar application of lanthanum promotes growth and phytoremediation potential *Solanum nigrum* L. **2023**, 334, 117259 ○
- 239 Cold pretreatment promotes chlorophyll degradation of green ripening banana peel by activating MaCBF1 to MaCBR and MaSGR1. **2023**, 413, 135575 ○
- 238 Long afterglow particle enables spectral and temporal light management to boost photosynthetic efficiency. **2023**, 638, 76-83 ○

- 237 Air pollution tolerance index of few plant species affected by auto exhaust pollution around Haridwar. **2007**, 8, 9-11 ○
- 236 Effect of Cadmium Stress on Morphophysiological Traits of Rice Seedlings. **2021**, 13, 11-21 ○
- 235 Effect of Exogenous Salicylic Acid on Growth Parameters, Gas Exchange, and Photosynthetic Yields in Salt-Stressed *Vicia faba* L. Plants. **2022**, 69, ○
- 234 Potassium fertilization as salt stress attenuator in sour passion fruit. **2023**, 53, ○
- 233 Functional Characterization of *Lobularia maritima* *LmTrxh2* Gene Involved in Cold Tolerance in Tobacco through Alleviation of ROS Damage to the Plasma Membrane. **2023**, 24, 3030 ○
- 232 Evaluation of Silicon Supplementation for Drought Stress under Water-Deficit Conditions: An Application of Sustainable Agriculture. **2023**, 13, 599 1
- 231 Assessing Growth-Promoting Activity of Bacteria Isolated from Municipal Waste Compost on *Solanum lycopersicum* L.. **2023**, 9, 214 ○
- 230 Potassium-Nitrogen Ratio Improved Cotton Yield by Regulating Antioxidant Metabolism Under a New Cropping Model for the Yangtze River Valley of China. ○
- 229 Dose optimization of silicon for boosting Arbuscular Mycorrhizal fungi colonization and cadmium stress mitigation in maize (*Zea mays* L.). ○
- 228 Enhanced Production of Active Photosynthetic and Biochemical Molecules in *Silybum marianum* L. Using Biotic and Abiotic Elicitors in Hydroponic Culture. **2023**, 28, 1716 ○
- 227 Enhancement of Salinity Stress Tolerance in Lettuce (*Lactuca sativa* L.) via Foliar Application of Nitric Oxide. **2023**, 12, 1115 ○
- 226 Enhancing leaf photosynthesis from altered chlorophyll content requires optimal partitioning of nitrogen. **2023**, 2, 24-36 ○
- 225 Chitosan fabricated biogenic silver nanoparticles (Ch@BSNP) protectively modulate the defense mechanism of tomato during bacterial leaf spot (BLS) disease. **2023**, 197, 107637 ○
- 224 Seed Priming with the Selenium Nanoparticles Maintains the Redox Status in the Water Stressed Tomato Plants by Modulating the Antioxidant Defense Enzymes. **2023**, 12, 1556 ○
- 223 Salicylic Acid Application Improves Photosynthetic Performance and Biochemical Responses to Mitigate Saline Stress in Cotton. ○
- 222 Exogenous application of selenium and nano-selenium alleviates salt stress and improves secondary metabolites in lemon verbena under salinity stress. **2023**, 13, ○
- 221 Screening and selection of *Anabaena* spp. for desiccation tolerance through physiological parameters and multivariate analysis. ○
- 220 Photosynthetic and Antioxidant Responses of *Gymnocarpus przewalskii* to Simulated Rainfall Changes. **2023**, 14, 789 ○



- 219 Polystyrene nanoplastics' accumulation in roots induces adverse physiological and molecular effects in water spinach *Ipomoea aquatica* Forsk. **2023**, 872, 162278 ○
- 218 Phytotoxic responses of wheat to an imidazolium based ionic liquid in absence and presence of biochar. **2023**, 322, 138080 ○
- 217 OsABC1K3, encodes an ABC1-like kinase, involved PGR5-dependent cyclic electron transport in rice. **2023**, 209, 105309 ○
- 216 Phytochemical analysis and phytotoxic evaluation of *Chenopodium glaucum* L.. **2023**, 35, 102571 ○
- 215 Exogenous ATP triggers antioxidant defense system and alleviates Cd toxicity in maize seedlings. **2023**, 256, 114898 ○
- 214 Salt ions mediated changes in biochemical and anatomical characteristics of *Brassica napus* can be countered with *Moringa* Leaf extract. **2023**, 156, 352-364 ○
- 213 *Bacillus mycoides* PM35 in combination with titanium dioxide (TiO<sub>2</sub>) nanoparticles enhanced morpho-physio-biochemical attributes in Barley (*Hordeum vulgare* L.) under cadmium stress. **2023**, 323, 138224 ○
- 212 SLs signal transduction gene CsMAX2 of cucumber positively regulated to salt, drought and ABA stress in *Arabidopsis thaliana* L.. **2023**, 864, 147282 ○
- 211 Transcriptomic and physiological effects of polyethylene microplastics on *Zea mays* seedlings and their role as a vector for organic pollutants. **2023**, 322, 138167 ○
- 210 Physiological indices of sour passion fruit under brackish water irrigation strategies and potassium fertilization. **2023**, 27, 383-392 ○
- 209 Multiple endpoints of polyethylene microplastics toxicity in vascular plants of freshwater ecosystems: A study involving *Salvinia auriculata* (Salviniaceae). **2023**, 450, 131069 ○
- 208 *Chrysanthemum morifolium* β-carotene hydroxylase overexpression promotes *Arabidopsis thaliana* tolerance to high light stress. **2023**, 284, 153962 ○
- 207 Impacts of polyethylene microplastics on the microalga, *Spirulina* (*Arthrospira platensis*). **2023**, 327, 121611 ○
- 206 Effect of hydrogen sulfide and hydrogen peroxide on growth, yield and nutrient content of broccoli plants grown under saline conditions. **2023**, 316, 112035 ○
- 205 Mesorhizobium improves chickpea growth under chromium stress and alleviates chromium contamination of soil. **2023**, 338, 117779 ○
- 204 Attapulgite amendment favors the utilization of high cadmium-contaminated soil for *Erigeron breviscapus* cultivation. **2023**, 326, 138490 ○
- 203 Environmental factors and non-chemical methods to suppress growth of the invasive plant *Gutenbergia cordifolia*. **2023**, 119, 103913 ○
- 202 Seed Priming with Triacontanol Alleviates Lead Stress in *Phaseolus vulgaris* L. (Common Bean) through Improving Nutritional Orchestration and Morpho-Physiological Characteristics. **2023**, 12, 1672 ○

- 201 Cadmium stimulated cooperation between bacterial endophytes and plant intrinsic detoxification mechanism in *Lonicera japonica* thunb. **2023**, 325, 138411 ○
- 200 Development of Zn biofertilizer microbeads encapsulating *Enterobacter ludwigii*-PS10 mediated alginate, starch, poultry waste and its efficacy in *Solanum lycopersicum* growth enhancement. **2023**, 240, 124381 ○
- 199 Salt stress and organic fertilization on the growth and biochemical metabolism of *Hylocereus costaricensis* (red pitaya) seedlings. 84, ○
- 198 Hydrogen peroxide in attenuation of salt stress effects on physiological indicators and growth of soursop. 84, ○
- 197 Iron oxide (Fe<sub>2</sub>O<sub>3</sub>) nanoparticles alleviate PEG-simulated drought stress in grape (*Vitis vinifera* L.) plants by regulating leaf antioxidants. **2023**, 312, 111847 ○
- 196 Improving the uptake of PAHs by the ornamental plant *Sedum spectabile* using nano-SiO<sub>2</sub> and nano-CeO<sub>2</sub>. **2023**, 870, 161808 ○
- 195 Morpho-biochemical Responses and Disturbed Redox Homeostasis in Barley Under Benzyl-butyl Phthalate Stress. **2023**, 110, ○
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- 193 Selenium fortification stimulates antioxidant- and enzyme gene expression-related defense mechanisms in response to saline stress in *Cucurbita pepo*. **2023**, 312, 111886 ○
- 192 Exogenous Application of Salicylic Acid Improves Physiological and Biochemical Attributes of *Morus alba* Saplings under Soil Water Deficit. **2023**, 14, 236 ○
- 191 Do genotypes ameliorate herbivory stress through silicon amendments differently? A case study of wheat. **2023**, 196, 339-349 ○
- 190 Inhibitory effect and mechanism of a compound essential oils on *Cladophora glomerata*. **2023**, 188, 114668 ○
- 189 Methyl jasmonate treatment alleviates chilling injury and improves antioxidant system of okra pod during cold storage. **2023**, 11, 2049-2060 ○
- 188 Foliar Application of Carnosine and Chitosan Improving Drought Tolerance in Bermudagrass. **2023**, 13, 442 ○
- 187 Impact of greywater on germination and physiological responses of *Triticum aestivum* L. HD 2967 in soil amended with poultry biochar. 1-12 ○
- 186 Influence of Biochar on Soil Properties and Morphophysiology of Sugar Beet Under Fomesafen Residues. 1 ○
- 185 The overexpression of LOW PHOSPHATE ROOT 1 (LPR1) negatively regulates *Arabidopsis* growth in response to Cadmium (Cd) stress. **2023**, 196, 556-566 ○
- 184 Influence of primary air pollutants on local biota of Trichy, India. **2010**, 11, 95-98 ○

- 183 Fine Mapping of a Pleiotropic Locus (BnUD1) Responsible for the Up-Curling Leaves and Downward-Pointing Siliques in *Brassica napus*. **2023**, 24, 3069 ○
- 182 Proteomic Analysis Comparison on the Ecological Adaptability of Quinclorac-Resistant *Echinochloa crus-galli*. **2023**, 12, 696 ○
- 181 Establishment of seed biopriming in salt stress mitigation of rice plants by mangrove derived *Bacillus* sp.. **2023**, 48, 102626 1
- 180 Application of Compost, as a Peat Substitute, and Foliar Spray of Chitosan and/or Roots Inoculation With Beneficial Fungus Increases Tomato Plants Productivity and Fruit Size. ○
- 179 Foliar Application of Salicylic Acid Mitigates Saline Stress on Physiology, Production, and Post-Harvest Quality of Hydroponic Japanese Cucumber. **2023**, 13, 395 ○
- 178 Potential of desiccation-tolerant plant growth-promoting rhizobacteria in growth augmentation of wheat (*Triticum aestivum* L.) under drought stress. 14, ○
- 177 Calcium silicate mitigates the physiological stress induced by 6-benzylaminopurine during the in vitro multiplication of *Quercus robur*. **2023**, 194, 116377 ○
- 176 Growth promotion ability of endophytic *Aspergillus niger* on different species of *Vigna*. ○
- 175 Brassica Water Extract Hormesis Improved Drought Tolerance and Antioxidative Defense in Wheat. ○
- 174 *Spirulina platensis*-Inoculated Humified Compost Boosts Rhizosphere Soil Hydro-Physico-Chemical Properties and *Atriplex nummularia* Forage Yield and Quality in an Arid Saline Calcareous Soil. ○
- 173 Dopamine confers cadmium tolerance in apples by improving growth, reducing reactive oxygen species, and changing secondary metabolite levels. **2023**, 208, 105264 ○
- 172 Role of biostimulants (ascorbic acid and fulvic acid) to synergize *Rhizobium* activity in pea (*Pisum sativum* L. var. Meteor). **2023**, 196, 668-682 ○
- 171 OSLPXC negatively regulates tolerance to cold stress via modulating oxidative stress, antioxidant defense and JA accumulation in rice. **2023**, 199, 2-16 ○
- 170 NaCl effect on Cd accumulation and cell compartmentalization in barley. **2023**, 30, 49215-49225 ○
- 169 The effect of seed priming with melatonin on improving the tolerance of *Zea mays* L. var *saccharata* to paraquat-induced oxidative stress through photosynthetic systems and enzymatic antioxidant activities. **2023**, 124, 101967 ○
- 168 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 ○
- 167 Comparative Study of Cis- and Trans-Priming Effect of PEG and BABA in Cowpea Seedlings on Exposure to PEG-Induced Osmotic Stress. **2023**, 2, 85-100 ○
- 166 *Brevibacillus* DesertYSK and *Rhizobium* MAP7 stimulate the growth and pigmentation of *Lactuca sativa* L.. **2023**, 21, ○

- 165 Transcription factors controlling the expression of oxidative stress associated genes in rice (*Oryza sativa* L.). ○
- 164 Phytotoxicity of zinc oxide nanoparticles and multi-walled carbon nanotubes, alone or in combination, on *Arabidopsis thaliana* and their mutual effects on oxidative homeostasis. **2023**, 18, e0281756 ○
- 163 Biostimulant enhances growth and corm production of saffron (*Crocus sativus* L.) in non-traditional areas of North western Himalayas. 14, ○
- 162 Polyethylene Glycol and Sorbitol-Mediated In Vitro Screening for Drought Stress as an Efficient and Rapid Tool to Reach the Tolerant *Cucumis melo* L. Genotypes. **2023**, 12, 870 ○
- 161 Toxicity and tolerance of nickel in sunflower (*Helianthus annuus* L.). **2023**, 30, 50346-50363 ○
- 160 Protease inhibitors suppressed leaf senescence in creeping bentgrass exposed to heat stress in association with inhibition of protein degradation into free amino acids. ○
- 159 Effects of the Structure and Molecular Weight of Alkali-Derived Lignin Isolated from Rice Straw on the Growth of Maize Seedlings. **2023**, 24, 1377-1387 ○
- 158 Melatonin mitigates cold-induced damage to pepper seedlings by promoting redox homeostasis and regulating antioxidant profiling. **2023**, ○
- 157 Gibberellic Acid Alleviates Cadmium-Induced Seed Germination Inhibition through Modulation of Carbohydrate Metabolism and Antioxidant Capacity in Mung Bean Seedlings. **2023**, 15, 3790 ○
- 156 Silver nitrate ( $\text{AgNO}_3$ ) and Pyrazinamide (PZA) as ethylene inhibitors ameliorate in vitro salt tolerance of tomato (*Lycopersicon esculentum* L) plant.. ○
- 155 Brd1 Is Associated with Plant Height through the Gibberellin Pathway in *Brassica rapa* L.. **2023**, 9, 282 ○
- 154 Glutathione primed seed improved lead-stress tolerance in *Brassica rapa* L. through modulation of physio-biochemical attributes and nutrient uptake. 1-11 ○
- 153 Overexpression of the Phosphoserine Phosphatase-Encoding Gene (*AtPSP1*) Promotes Starch Accumulation in *Lemna turionifera* 5511 under Sulfur Deficiency. **2023**, 12, 1012 ○
- 152 Differentiation of advanced generation mutant wheat lines: Conventional techniques versus Raman spectroscopy. 14, ○
- 151 Role of PGPR and silver nanoparticles on the physiology of *Momordica charantia* L. irrigated with polluted water comprising high Fe and Mn. 1-13 ○
- 150 Inductive role of the brown alga *Sargassum polycystum* on growth and biosynthesis of imperative metabolites and antioxidants of two crop plants. 14, ○
- 149 Seismic stress-mediated improvements in morphometry, foliar anatomy and biochemistry of in vitro grown plants of *Gardenia jasminoides* J. Ellis. 1-13 ○
- 148 Exogenous Application of Indol-3-Acetic Acid and Salicylic Acid Improves Tolerance to Salt Stress in Olive Plantlets (*Olea europaea* L. Cultivar Picual) in Growth Chamber Environments. **2023**, 13, 647 ○

- 147 Integrating Application Methods and Concentrations of Salicylic Acid as an Avenue to Enhance Growth, Production, and Water Use Efficiency of Wheat under Full and Deficit Irrigation in Arid Countries. **2023**, 12, 1019 ○
- 146 Impact of Combined Glutathione and Zn Application for Seed Priming in Ameliorating the Adverse Effects of Water Stress on Maize Seed Germination Attributes, Metabolite Levels, and Seedling Vigor. ○
- 145 Light-emitting diode irradiation and glycine differentially affect photosynthetic performance of black henbane (*Hyoscyamus niger* L.). **2023**, 155, 230-240 ○
- 144 Identification of Green-Reversible Yellow 3 (GRY3), encoding a 4-hydroxy-3-methylbut-2-enyl diphosphate reductase involved in chlorophyll synthesis under high temperature and high light in rice. **2023**, ○
- 143 Toxicity of Difenoconazole and Atrazine and Their Photodegradation Products on Aquatic Biota: Environmental Implications in Countries Lacking Good Agricultural Practices. **2023**, 11, 213 ○
- 142 Photosynthetic Physiological Basis of Forage Mass Stability in a Progeny of Rhizome-Rooted Qingshui *Medicago sativa* L.. **2023**, 13, 685 ○
- 141 Transcription factor LcNAC002 coregulates chlorophyll degradation and anthocyanin biosynthesis in litchi. ○
- 140 Recent Advances of Polyphenol Oxidases in Plants. **2023**, 28, 2158 ○
- 139 Effect of Plant Growth Regulators on Creeping Bentgrass during Heat, Salt, and Combined Stress. **2023**, 58, 410-418 ○
- 138 Performance reaction and biochemical properties of black cumin under the influence of different regimes of nitrogen, menthol and drought stress. **2023**, 71, 15-33 ○
- 137 Generation and characterization of reduced PSII antenna size mutants of *Chlorella sorokiniana* for improved Biomass. ○
- 136 Ameliorative role of salicylic acid in the growth, nutrient content, and antioxidative responses of salt-stressed lettuce. **2023**, 22, 75-85 ○
- 135 Integrated bioinformatic and physiological analyses reveal the pivotal role of hydrogen sulfide in enhancing low-temperature tolerance in alfalfa. **2023**, 175, ○
- 134 Effect of Nitrogen Fertilization on Tree Growth and Nutrient Content in Soil and Cherry Leaves (*Prunus cerasus* L.). **2023**, 13, 578 ○
- 133 Production of *Ulva fasciata* biomass through optimization of culture condition for viable tank-based edible seaweed farming. ○
- 132 Characterization of thylakoid division using chloroplast dividing mutants in *Arabidopsis*. ○
- 131 Design and Implementation of a Low-Cost Chlorophyll Content Meter. **2023**, 23, 2699 ○
- 130 Synergistic application of calcium oxide nanoparticles and farmyard manure induces cadmium tolerance in mung bean (*Vigna radiata* L.) by influencing physiological and biochemical parameters. **2023**, 18, e0282531 ○

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- 115 Overexpression of LjPLT3 Enhances Salt Tolerance in *Lotus japonicus*. **2023**, 24, 5149 ○
- 114 Data-Independent Acquisition Proteomics Reveals the Effects of Red and Blue Light on the Growth and Development of Moso Bamboo (*Phyllostachys edulis*) Seedlings. **2023**, 24, 5103 ○
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- 111 Arbuscular Mycorrhizal Fungi Enhance Biomass Growth, Mineral Content, and Antioxidant Activity in Tomato Plants under Drought Stress. **2023**, 2023, 1-14 ○
- 110 Exogenous  $\gamma$ -Aminobutyric Acid (BABA) Improves the Growth, Essential Oil Content, and Composition of Grapefruit Mint (*Mentha suaveolens* Piperita) under Water Deficit Stress Conditions. **2023**, 9, 354 ○
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