

HANDY FLUORCAM

LIST OF REFERENCES

2024

ABBASI, F., KHANDAN-MIRKOHI, A., AHMAD, A.H., KAFI, M., & SHOKRPOUR, M. (2024). Optimization of Aeroponic and Ultrasonic Soilless Culture Systems in Terms of Timing and Growth Characteristics of Liliu OT Hybrid. *Int J Hort Sci Tech*, 11(2), 269-284.

DOI: 10.22059/ijhst.2023.361423.658

BASAVARAJ, P., JANGID, K.K., BABAR, R., RANE, J., BORAIAH, K., ET AL. (2024). Non-invasive measurements to identify mungbean genotypes for waterlogging tolerance. *PeerJ* 12:e16872.

DOI: 10.7717/peerj.16872

CIOFINI, D., MAZZOTI, V., RONDELLI, P., SALVADORI, B., MANGANELLI DEL FÀ, R., ET AL. (2024). Systematic testing, verification and validation of laser treatments for unglazed earthenware affected by lichens and fungi biodeterioration. *J Phys Photonics* 6, 035008.

DOI: 10.1088/2515-7647/ad4c42

GUEDES, L.M., DE OLIVEIRA, D.C., SANHUEZA, C. ET AL. (2024). Invasive *Teline monspessulana* and *Ulex europaeus* allelochemicals induce differential responses regarding the growth and physiological performance of two native Chilean tree species. *Acta Physiol Plant* 46, 32.

DOI: 10.1007/s11738-024-03665-5

HEGDE, V., RATHOD, T., CHANUMOLU, H.G.K., ET AL. (2024). Foliar Application of Ortho Silicic Acid (Silixol) Elicits Distinctive Physio- biochemical Responses in Sugarcane Under Water Deficit Stress. *Res Square*.

DOI: 10.21203/rs.3.rs-3850823/v1

JAROŠOVÁ, J., PREROSTOVA, S., ČERNÝ, M., DOBREV, P., GAUDINOVA, A., ET AL. (2024). Hormonal responses of rice to organ-targeted cold stress. *Environ Exp Bot*, 222, 105739.

DOI: 10.1016/j.envexpbot.2024.105739

JEONG, U., HAN, S.H., KIM, D., KIM, S., & CHEONG, E.J. (2024). Exploring the Efficient Irrigation Period for *Larix kaempferi* Seedlings in Nursery Pots in Greenhouse Conditions Using Optical Measurements. *Forests*, 15, 1303.

DOI: 10.3390/f15081303

KIM, T-L., OH, C., DENISON, M.I.J., ET AL. (2024). Transcriptomic and physiological responses of *Quercus acutissima* and *Quercus palustris* to drought stress and rewatering. *Front Plant Sci*, 15:1430485.

DOI: 10.3389/fpls.2024.1430485

LAI, Z., ZHANG, K., LIAO, Z., KOU, H., PEI, S., ET AL. (2024). Stem Hydraulic Conductance, Leaf Photosynthesis, and Carbon Metabolism Responses of Cotton to Short-Term Drought and Rewatering. *Agronomy*, 14, 71.

DOI: 10.3390/agronomy14010071

MIRZAEI, S., MORADI, S., KARIMI, M., ET AL. (2024). *Gamma-Aminobutyric Acid-Mediated Alkalinity Stress Alleviation in Lollo Rosso Lettuce under Diverse Light Spectra*. *Agronomy*, 14, 313.

DOI: 10.3390/agronomy14020313

MOOSAVI-NEZHAD, M., HOMAYOONZADEH, M.M TSANIKLIDIS, G., ET AL (2024). *Enhancing shelf life of bell peppers through preharvest fertigation with calcium and potassium thiosulfate: A focus on antioxidant and cell wall degradation enzymes*. *J Agr Food Res*, 17, 101262.

DOI: 10.1016/j.jafr.2024.101262

ROSTAMI, F., SALEHI, R., TORKASHVAND, A.M., & MORADI, P. (2024). *Study the effects of different culture media on germination, morphological, physiological and photosynthetic characteristics of tomato (Solanum lycopersicum L.)*. *Seybold Report 9(02):9-20*.

ISSN 1533-9211

SENAVIRATHNA, M.D.H.J., & YAN, H. (2024). *Flow velocity and light intensity combination is important for Microcystis aeruginosa physical suppression*. *Water Environ Fed*, 96(2), e10991.

DOI: 10.1002/wer.10991

SOBHANI, M., SAHEBANI, N., LASTOCHKINA, O., AASAYESH, E.J., DIDARAN, F., ET AL. (2024). *Inducing Plant Resistance Against Meloidogyne Javanica by Application of Bacillus Subtilis and Light Spectra*. *SSRN*, 4847536.

DOI: 10.2139/ssrn.4847536

VAHDATI, K., HABIBI, A., SARIKHANI, S., ALINIAEIFARD, S., SOLTANI, M., ET AL. (2024). *Drought and Heat Stress Interactions: Unveiling the Photosynthesis and Osmotic Regulators of Persian Walnut*. *SSRN*, 4883040.

DOI: 10.2139/ssrn.4883040

WEI, J., HUANG, H., ZHANG, S. ET AL. (2024). *Functions of violaxanthin de-epoxidase-related (VDR) in the photoprotective response to high-light stress*. *Plant Growth Regul.*

DOI: 10.1007/s10725-024-01158-6

2023

ARAB, M.M., ASKARI, H., ALINIAEIFARD, S., MOKHTASSI-BIDGOLI, A., ESTAJI, A., ET AL. (2023). *Natural variation in photosynthesis and water use efficiency of locally adapted Persian walnut populations under drought stress and recovery*. *Plant Physiol Biochem*, 201, 107859.

DOI: 10.1016/j.plaphy.2023.107859

BARTÁK, M., HÁJEK, J., HALICI, M.G., BEDNAŘÍKOVÁ, M., CASANOVA-KATNY, A., ET AL. (2023). *Resistance of Primary Photosynthesis to Photoinhibition in Antarctic Lichen Xanthoria elegans: Photoprotective Mechanisms Activated during a Short Period of High Light Stress*. *Plants*, 12, 2259.

DOI: 10.3390/plants12122259

DAS, A., SUBRAHMANIAN, N., GABILLY, S.T., ANDRIANOVA, E.P., ZHULIN, I.B., ET AL. (2023). *Two disulfide-reducing pathways are required for the maturation of plastid c-type cytochromes in Chlamydomonas reinhardtii*. *Genetics*, 225(2), iyad155.

DOI: 10.1093/genetics/iyad155

ESKANDARZADE, P.; ZARE MEHRJERDI, M.; DIDARAN, F.; GRUDA, N.S.; ALINIAEIFARD, S. (2023). Shading Level and Harvest Time Affect the Photosynthetic and Physiological Properties of Basil Varieties. *Agronomy*, 13, 2478.

DOI: 10.3390/agronomy13102478

EZQUERRO, M., BURBANO-ERAZO, E., & RODRIGUEZ-CONCEPCION, M. (2023). Overlapping and specialized roles of tomato phytoene synthases in carotenoid and abscisic acid production. *Plant Physiol*, 193(3), 2021-2036.

DOI: 10.1093/plphys/kiad425

EZQUERRO, M., LI, C., PÉREZ-PÉREZ, J., BURBANO-ERAZO, E., BARJA, M.V., ET AL. (2023). Tomato geranylgeranyl diphosphate synthase isoform 1 is involved in the stress-triggered production of diterpenes in leaves and strigolactones in roots. *New Phytologist*, 239(6), 2292-2306.

DOI: 10.1111/nph.19109

HASSANI, S.B., LATIFI, M., ALINIAEIFARD, S., SOHRABI BONAB, S., NASIRI ALMANGHADIM, N., ET AL. (2023). Response to Cadmium Toxicity: Orchestration of Polyamines and microRNAs in Maize Plant. *Plants*, 12, 1991.

DOI: 10.3390/plants12101991

LIN, D., ZHOU, X., ZHAO, H., TAO, X., YU, S., ET AL. (2023). The Synergistic Mechanism of Photosynthesis and Antioxidant Metabolism between the Green and White Tissues of *Ananas comosus* var. *bracteatus* Chimeric Leaves. *Int. J. Mol. Sci.*, 24, 9238.

DOI: 10.3390/ijms24119238

SAEEDI, S.A., VAHDATI, K., SARIKHANI, S., DAYLAMI, S.D., DAVARZANI, M., ET AL. (2023). Growth, photosynthetic function, and stomatal characteristics of Persian walnut explants in vitro under different light spektra. *Front Plant Sci*, 14: 1292045.

DOI: 10.3389/fpls.2023.1292045

SOLTANI S., AROUIEE H., SALEHI R., ET AL. (2023). Morphological, Phytochemical, and Photosynthetic Performance of Grafted Tomato Seedlings in Response to Different LED Light Qualities under Protected Cultivation. *Horticulturae*. 9(4):471.

DOI: 10.3390/horticulturae9040471

VATANKHAH, A., ALINIAEIFARD, S., MOOSAVI-NEZHAD, M., ET AL. (2023). Plants exposed to titanium dioxide nanoparticles acquired contrasting photosynthetic and morphological strategies depending on the growing light intensity: a case study in radish. *Sci Rep*, 13:5873.

DOI: 10.1038/s41598-023-32466-y

2022

ASHROSTAGHI, T.; ALINIAEIFARD, S.; SHOMALI, A.; AZIZINIA, S.; ET AL. (2022). Light Intensity: The Role Player in Cucumber Response to Cold Stress. *Agronomy* 2022, 12, 201.

DOI: 10.3390/agronomy12010201

JUN S.E., CHO K-H., MANZOOR M.A., HWANG T.Y., ET AL. (2022) AtELP4 a subunit of the Elongator complex in *Arabidopsis*, mediates cell proliferation and dorsoventral polarity during leaf morphogenesis. *Front. Plant Sci.* 13:1033358.

DOI: 10.3389/fpls.2022.1033358

HOERMILLER, I. I., FUNCK, D., SCHÖNEWOLF, L., MAY, H., & HEYER, A. G. (2022). Cytosolic proline is required for basal freezing tolerance in *Arabidopsis*. *Plant, Cell & Environment*, 45, 147–155.

DOI: 10.1111/pce.14196

PAN, L.; BERKA, M.; ČERNÝ, M.; NOVÁK, J.; LUKLOVÁ, M.; BRZOBOHATÝ, B.; SAIZ-FERNÁNDEZ, I. (2022). Cytokinin Deficiency Alters Leaf Proteome and Metabolome during Effector-Triggered Immunity in *Arabidopsis thaliana* Plants. *Plants* 2022, 2123.

DOI: 10.3390/plants11162123

RU, C.; HU, X.; CHEN, D.; SONG, T.; WANG, W.; LV, M.; HANSEN, N.C. (2022). Nitrogen Modulates the Effects of Short-Term Heat, Drought and Combined Stresses after Anthesis on Photosynthesis, Nitrogen Metabolism, Yield, and Water and Nitrogen Use Efficiency of Wheat. *Water* 14, 1407.

DOI:10.3390/w14091407

SENAVIRATHNA, M.D.H.J., ZHAOZHI, L. & FUJINO, T. (2022). Short-duration exposure of 3- μ m polystyrene microplastics affected morphology and physiology of watermilfoil (*sp. roraima*). *Environ Sci Pollut Res*.

DOI: 10.1007/s11356-022-18642-z

SHAHBAZI, M., TOHIDFAR, M., ALINIAEIFARD, S. ET AL. (2022). Transgenic tobacco co-expressing flavodoxin and betaine aldehyde dehydrogenase confers cadmium tolerance through boosting antioxidant capacity. *Protoplasma* 259, 965–979.

DOI: 10.1007/s00709-021-01714-1

ZHANG Q., LIANG M., SONG R., ET AL. (2022). Brassinosteroids modulate the polyamines profile in enhancing resistance to manganese toxicity in *Malus robusta* Rehd., 13 June 2022, PREPRINT (Version 1) available at Research Square

DOI: 10.21203/rs.3.rs-1722762/v1]

2021

BARTÁK, M. HÁJEK, J. OREKHOVA, A. (2021). Inhibition of Primary Photosynthesis in Desiccating Antarctic Lichens Differing in Their Photobionts, Thallus Morphology, and Spectral Properties. *Microorganisms* 2021, 9, 818.

DOI: 10.3390/microorganisms9040818

LIU, T., SHI, J., LI, M., YE, X., & QI, H. (2021). Trehalose triggers hydrogen peroxide and nitric oxide to participate in melon seedlings oxidative stress tolerance under cold stress. *Environmental and Experimental Botany*, 184, 104379.

DOI:10.1016/j.envexpbot.2021.1043

MEIMAND, M., SHAMSHIRI, M., MALEKZADEH, K. & DEGHANI, M. (2021). How photoautotrophy, photomixotrophy, and ventilation affect the stomata and fluorescence emission of pistachios rootstock?. *Open Life Sciences*, 16(1), 1151-1163.

DOI: 10.1515/biol-2021-0115

MACIOSZEK, V.K.; SOBCZAK, M.; SKOCZOWSKI, A.; ET AL. (2021). *The Effect of Photoperiod on Necrosis Development, Photosynthetic Efficiency and 'Green Islands' Formation in Brassica juncea Infected with Alternaria brassicicola*. *Int. J. Mol. Sci.* 2021, 22, 8435.

DOI: 10.3390/ijms22168435

NOVÁK, J., ČERNÝ, M., ROIGNANT, J., SKALÁK, J., BRZOBOHATÝ, B., et al. (2021). *Limited light intensity and low temperature: Can plants survive freezing in light conditions that more accurately replicate the cold season in temperate regions?* *Environmental and Experimental Botany*, 190, 104581.

DOI:10.1016/j.envexpbot.2021.1045

PREROSTOVA S., CERNÝ M., DOBREV P.I., MOTYKA V., ET AL. (2021) *Light Regulates the Cytokinin-Dependent Cold Stress Responses in Arabidopsis*. *Front. Plant Sci.* 11:608711.

DOI: 10.3389/fpls.2020.608711

PREROSTOVA, S.; DOBREV, P.I.; KNIRSCH, V.; JAROSOVA, J. ET AL. (2021). *Light Quality and Intensity Modulate Cold Acclimation in Arabidopsis*. *Int. J. Mol. Sci.* 2021, 22, 2736.

DOI: 10.3390/ijms22052736

RAO, L., LI, S., & CUI, X. (2021). *Leaf morphology and chlorophyll fluorescence characteristics of mulberry seedlings under waterlogging stress*. *Scientific Reports*, 11(1).

DOI:10.1038/s41598-021-92782-z

RANE, J., BABAR, R., KUMAR, M., ET AL. (2021). *Desiccation tolerance of Photosystem II in dryland fruit crops*. *Scientia Horticulturae*, 288, 110295.

DOI:10.1016/j.scienta.2021.110295

SENAVIRATHNA, M. D. H. J., MUHETAER, G., ET AL. (2021). *Stress and Recovery Responses of Microcystis aeruginosa Exposed to Extreme Light for Different Durations*. *Water, Air, & Soil Pollution*, 232(6).

DOI:10.1007/s11270-021-05175-3

SHOMALI A., ALINIAEIFARD S., DIDARAN F., LOTFI M., ET AL. (2021). *Synergistic Effects of Melatonin and Gamma-Aminobutyric Acid on Protection of Photosynthesis System in Response to Multiple Abiotic Stressors*. *Cells* 2021, 10, 1631.

DOI: 10.3390/cells10071631

2020

ARENA, C., CONTI, S., FRANCESCA, S., MELCHIONNA, G., HÁJEK, J., BARTÁK, M., ET AL. (2020). *Eco-Physiological Screening of Different Tomato Genotypes in Response to High Temperatures: A Combined Field-to-Laboratory Approach*. *Plants*, 9(4), 508.

DOI:10.3390/plants9040508

GHORBANZADEH, P., ALINIAEIFARD, S., ESMAEILI, M., MASHAL, M., AZADEGAN, B., & SEIF, M. (2020). *Dependency of Growth, Water Use Efficiency, Chlorophyll Fluorescence, and Stomatal Characteristics of Lettuce Plants to Light Intensity*. *Journal of Plant Growth Regulation*, 40(5), 2191–2207.

DOI:10.1007/s00344-020-10269-z

HALLMARK, H. T., & RASHOTTE, A. M. (2020). Cytokinin isopentenyladenine and its glucoside isopentenyladenine-9G delay leaf senescence through activation of cytokinin-associated genes. *Plant Direct*, 4(12).

DOI:10.1002/pld3.292

HUGHES, A. M., ZWACK, P. J., COBINE, P. A., & RASHOTTE, A. M. (2020). Cytokinin-regulated targets of Cytokinin Response Factor 6 are involved in potassium transport. *Plant Direct*, 4(12).

DOI:10.1002/pld3.291

MACIOSZEK V.K., GAPIŃSKA M., ZMIENKO A., ET AL. (2020). Complexity of Brassica oleracea–*Alternaria brassicicola* Susceptible Interaction Reveals Downregulation of Photosynthesis at Ultrastructural, Transcriptional, and Physiological Levels. *Cells*. 2020; 9(10):2329.

DOI: 10.3390/cells9102329

MARTINI, V., MOREIRA, A. S. F. P., KUSTER, V. C., & OLIVEIRA, D. C. (2020). Photochemical performance and source-sink relationships in galls induced by *Pseudophacopteron longicaudatum* (Hemiptera) on leaves of *Aspidosperma tomentosum* (Apocynaceae). *Photosynthetica*, 58(3), 827-835.

DOI: 10.32615/ps.2020.033

MASCALCHI, M., ORSINI, C., PINNA, D., SALVADORI, B., SIANO, S., & RIMINESI, C. (2020). Assessment of different methods for the removal of biofilms and lichens on gravestones of the English Cemetery in Florence. *International Biodeterioration & Biodegradation*, 154, 105041.

DOI:10.1016/j.ibiod.2020.105041

SEIFIKALHOR M., ALINIAEIFARD S., ET AL. (2020). γ -Aminobutyric acid confers cadmium tolerance in maize plants by concerted regulation of polyamine metabolism and antioxidant defense systems. *Scientific Reports (Nature Publisher Group)*.

DOI:10.1038/s41598-020-59592-1

SENEVIRATHNA, M. D. H. J., NAGAHAGE, I. S. P., & MUHETAER, G. (2020). Stimulatory effect of exposure to low-power-density 2.45 GHz microwaves on *Arabidopsis thaliana* seedlings in vitro. *Brazilian Journal of Botany*.

DOI:10.1007/s40415-020-00618-3

SENAVIRATHNA, M. D. H. J., MUHETAER, G., ZHAOZHI, L., & FUJINO, T. (2020). Allelopathic influence of low concentration *Microcystis aeruginosa* on *Egeria densa* under different light intensities. *Chemistry and Ecology*, 1–19.

DOI:10.1080/02757540.2020.1798939

SILVA, L. A. S., SAMPAIO, V. F., BARBOSA, L. C. S., MACHADO, M., ET AL. (2020). Albinism in plants: far beyond the loss of chlorophyll. Structural and physiological aspects of wild-type and albino royal poinciana (*Delonix regia*) seedlings. *Plant Biology*.

DOI:10.1111/plb.13146

WANG, S., LIU, M., WANG, J., HUANG, J., & WANG, J. (2020). Polystyrene nanoplastics cause growth inhibition, morphological damage and physiological disturbance in the marine microalga *Platymonas helgolandica*. *Marine Pollution Bulletin*, 158, 111403.

DOI:10.1016/j.marpolbul.2020.1114

WU, G., MA, L., SAYRE, R. T., & LEE, C.-H. (2020). Identification of the Optimal Light Harvesting Antenna Size for High-Light Stress Mitigation in Plants. *Frontiers in Plant Science*, 11.

DOI:10.3389/fpls.2020.00505

DUFKOVÁ K., BARTÁK M., MORKUSOVÁ J., ET AL. (2019). Screening of growth phases of Antarctic algae and cyanobacteria cultivated on agar plates by chlorophyll fluorescence paging. *CZECH POLAR REPORTS* 9 (2): 170-181.

DOI: 10.5817/CPR2019-2-15

GIUDICI G. N. M. (2019). Photoinhibition of primary photosynthetic processes in hydrated *Polytrichum commune*: Analysis of non-photochemical quenching affecting species resistance. *Czech Polar Reports*, Volume 2.

DOI: 10.5817/CPR2019-2-14

FARIAS, C. P., ALVES, G. S., OLIVEIRA, D. C., DE MELO, E. I., & AZEVEDO, L. C. B. (2019). A consortium of fungal isolates and biochar improved the phytoremediation potential of *Jacaranda mimosifolia* D. Don and reduced copper, manganese, and zinc leaching. *Journal of Soils and Sediments*.

DOI:10.1007/s11368-019-02414-3

FRIEDLAND, N., NEGI, S., VINOGRADOVA-SHAH, T., ET AL. (2019). Fine-tuning the photosynthetic light harvesting apparatus for improved photosynthetic efficiency and biomass yield. *Scientific Reports*, 9(1).

DOI:10.1038/s41598-019-49545-8

HOSSEINI, A., ZARE MEHRJERDI, M., ALINIAEIFARD, S., & SEIF, M. (2019). Photosynthetic and growth responses of green and purple basil plants under different spectral compositions. *Physiology and Molecular Biology of Plants*.

DOI:10.1007/s12298-019-00647-7

KÜSTNER, L., FÜRTAUER, L., WECKWERTH, W., NÄGELE, T., & HEYER, A. G. (2019). Subcellular dynamics of proteins and metabolites under abiotic stress reveal deferred response of the *Arabidopsis thaliana* hexokinase -1 mutant *gin2-1* to high light. *The Plant Journal*.

DOI:10.1111/tpj.14491

MACIOSZEK, V. K., WIELANEK, M., MORKUNAS, I., CIERESZKO, I., & KONONOWICZ, A. K. (2019). Leaf position-dependent effect of *Alternaria brassicicola* development on host cell death, photosynthesis and secondary metabolites in *Brassica juncea*. *Physiologia Plantarum*.

DOI:10.1111/ppl.12998

MAREČKOVÁ, M., BARTÁK, M., & HÁJEK, J. (2019). Temperature effects on photosynthetic performance of Antarctic lichen *Dermatocarpon polyphyllizum*: a chlorophyll fluorescence study. *Polar Biology*.

DOI:10.1007/s00300-019-02464-w

MATTILA H, MISHRA K.B., KUUSISTO L., ET AL. (2019). Effects of low temperature and cold-acclimation on photoinhibition and singlet oxygen production in four natural accessions of *Arabidopsis*. *bioRxiv* 777060;

DOI: 10.1101/777060

OREKHOVA A., BARTÁK M., ÖZKAR A., ET AL. (2019). *The effect of shock freezing on physiological properties and consequent growth of Antarctic filamentous (Stigeoclonium sp.) and coccal alga (Diplosphaera chodatii) on agar plates. CZECH POLAR REPORTS 9 (1): 37-48.*

DOI:10.5817/CPR2019-1-4

PLUHAŘOVÁ, K., LEONTOVYČOVÁ, H., STOUKOVÁ, V., ET AL. (2019). *“Salicylic Acid Mutant Collection” as a Tool to Explore the Role of Salicylic Acid in Regulation of Plant Growth under a Changing Environment. International Journal of Molecular Sciences, 20(24), 6365.*

DOI:10.3390/ijms20246365

RANE J., SHARMA D., EKATPURE S., ET AL. (2019). *Relative tolerance of photosystem II in spike, leaf, and stem of bread and durum wheat under desiccation. Photosynthetica 57 (4): 1100-1108.*

DOI: 10.32615/ps.2019.111

SEIFIKALHOR, M., HASSANI, S. B., & ALINIAEIFARD, S. (2019). *Seed Priming by Cyanobacteria (Spirulina platensis) and Salep Gum Enhances Tolerance of Maize Plant Against Cadmium Toxicity. Journal of Plant Growth Regulation.*

DOI:10.1007/s00344-019-10038-7

YAMADA, S., OZAKI, H., & NOGUCHI, K. (2019). *The mitochondrial respiratory chain maintains the photosynthetic electron flow in Arabidopsis thaliana leaves under high-light stress. Plant and Cell Physiology.*

DOI:10.1093/pcp/pcz193

ABEYNAYAKA, H. D. L., ASAEDA, T., & RASHID, M. H. (2018). *Effects of elevated pressure on Pseudanabaena galeata Böcher in varying light and dark environments. Environmental Science and Pollution Research, 25(21), 21224–21232.*

DOI:10.1007/s11356-018-2218-5

BARTÁK, M., PLÁTENÍKOVÁ, E., CARRERAS, H., ET AL. (2018). *Effect of UV-B radiation on the content of UV-B absorbing compounds and photosynthetic parameters in Parmotrema austrosinense from two contrasting habitats. Plant Biology, 20(5), 808–816.*

DOI:10.1111/plb.12855

BAYAT L., ARAB M., ALINIAEIFARD S., ET AL. (2018). *Effects of growth under different light spectra on the subsequent high light tolerance in rose plantsm.*

DOI: 10.1093/aobpla/ply052/5095468

BOMFIM, P. M. S., CARDOSO, J. C. F., REZENDE, U. C., ET AL. (2018). *Red galls: the different stories of two gall types on the same host. Plant Biology.*

DOI:10.1111/plb.12915

CHOJAK-KOŹNIEWSKA J., KUŹNIAK E, LINKIEWICZ A., ET AL (2018). *Primary carbon metabolism-related changes in cucumber exposed to single and sequential treatments with salt stress and bacterial infection. Plant Physiology and Biochemistry. Volume 123. Pages 160-169,*

DOI: 10.1016/j.plaphy.2017.12.015.

KALHOR, M. S., ALINIAEIFARD, S., SEIF, M., ET AL. (2018). Enhanced salt tolerance and photosynthetic performance: Implication of γ -amino butyric acid application in salt-exposed lettuce (*Lactuca sativa* L.) plants. *Plant Physiology and Biochemistry*, 130, 157–172.

DOI: 10.1016/j.plaphy.2018.07.003

MASCALCHI, M., OSTICOLI, I., CUZMAN, A. O., ET AL. (2018). Laser removal of biofilm from Carrara marble using 532 nm: The first validation study. *Measurement*, 130, 255–263.

DOI: 10.1016/j.measurement.2018.08.012

MISHRA, K. B., MISHRA, A., KUBÁSEK, J. ET AL. (2018). Low temperature induced modulation of photosynthetic induction in non-acclimated and cold-acclimated *Arabidopsis thaliana*: chlorophyll a fluorescence and gas-exchange measurements. *Photosynthesis Research*.

DOI:10.1007/s11120-018-0588-7

OREKHOVA, A., BARTÁK, M., & HÁJEK, J. (2018). Post rapid freezing growth of Antarctic strain of *Heterococcus* sp. monitored by cell viability and chlorophyll fluorescence. *Cryobiology*.

DOI: 10.1016/j.cryobiol.2018.10.004

TRIPODI, P., MASSA, D., VENEZIA, A., & CARDI, T. (2018). Sensing Technologies for Precision Phenotyping in Vegetable Crops: Current Status and Future Challenges. *Agronomy*, 8(4), 57.

DOI:10.3390/agronomy8040057

VÁCZI, P., GAUSLAA, Y., & SOLHAUG, K. A. (2018). Efficient fungal UV-screening provides a remarkably high UV-B tolerance of photosystem II in lichen photobionts. *Plant Physiology and Biochemistry*, 132, 89–94.

DOI:10.1016/j.plaphy.2018.08.033

CLINE, S. G., LAUGHBAUM, I. A., & HAMEL, P. P. (2017). CCS2, an Octatricopeptide-Repeat Protein, Is Required for Plastid Cytochrome c Assembly in the Green Alga *Chlamydomonas reinhardtii*. *Frontiers in Plant Science*, 8.

DOI:10.3389/fpls.2017.01306

SHIMADA A., KUBO T., TOMINAGA S., ET AL. (2017). Effect of Temperature on Photosynthesis Characteristics in the Passion Fruits 'Summer Queen' and 'Ruby Star'. *The Horticulture Journal*. Volume 86.

DOI:10.2503/hortj.OKD-023

ŠEBELA, D., QUIONES, C., CRUZ, C. V., ET AL. (2017). Chlorophyll Fluorescence and Reflectance-Based Non-Invasive Quantification of Blast, Bacterial Blight and Drought Stresses in Rice. *Plant and Cell Physiology*, 59(1), 30–43.

DOI:10.1093/pcp/pcx144

TRNKOVÁ K. AND BARTÁK M. (2017). Desiccation-induced changes in photochemical processes of photosynthesis and spectral reflectance in *Nostoc commune* (Cyanobacteria, Nostocales) colonies from polar regions. *Phycological Res.* Volume 65.

DOI:10.1111/pre.12157

MAREČKOVÁ M. AND BARTÁK M. (2016). Effects of short-term low temperature stress on chlorophyll fluorescence transients in Antarctic lichen species. *Czech Polar Reports*. Volume 6.

DOI:10.5817/CPR2016-1-6

PIRŠELOVÁ B., BOLEČEK P. AND GALUSOVÁ T. (2016). Effect of cadmium and arsenic on chlorophyll fluorescence of selected soybean cultivars. *Plant Physiology*. Volume 63.

DOI: 10.1134/S1021443716040129

PRIETO-AMADOR M. (2016). UV-B effects on filamentous alga *Zygnema* strain (EEL201) from Antarctica. *Czech Polar Reports*. Volume 6.

DOI:10.5817/CPR2016-1-5

THANGARAJ G. (2016). Antarctic strain of green filamentous alga *Zygnema* sp. shows a high resistance to photoinhibition under simulated polar conditions. *Czech Polar Reports*. Volume 5.

DOI: 10.5817/CPR2015-2-15

ZHANG, K., LIU, Z., SHAN, X., ET AL. (2016). Physiological properties and chlorophyll biosynthesis in a Pak-choi (*Brassica rapa* L. ssp. *chinensis*) yellow leaf mutant, *pym*. *Acta Physiologiae Plantarum*, 39(1).

DOI:10.1007/s11738-016-2321-5

ZWACK P. J., DE CLERCQ I., HOWTON T. C., ET AL. (2016). Cytokinin Response Factor 6 Represses Cytokinin-Associated Genes during Oxidative Stress. *Plant Physiology*. Volume 172.

DOI: 10.1104/pp.16.00415

MASCALCHI M., OSTICOLI I., RIMINESI C., ET AL. (2015). Preliminary investigation of combined laser and microwave treatment for stone biodegradation. *Studies in Conservation*. Volume 60, Pages 19-27.

DOI: 10.1179/0039363015Z.000000000203

KWON M. Y., KIM S. H., SUNG J. H. (2014). The responses of Growth and Physiological traits of *Acer triflorum* on Calcium Chloride ($CaCl_2$) Concentration1 *Korean Journal of Environment and Ecology*. Volume 28, Pages 500-509

DOI: 10.13047/KJEE.2014.28.5.500

LI X., ZHAO W., SUN X., ET AL. (2013). Molecular cloning and characterization of violaxanthin de-epoxidase (CsVDE) in cucumber. *PLoS One*. Volume 8.

DOI: 10.1371/journal.pone.0064383

VREDENBERG . AND, PAVLOVIČ A. (2013). Chlorophyll a fluorescence induction (Kautsky curve) in a Venus flytrap (*Dionaea muscipula*) leaf after mechanical trigger hair irritation. *Journal of Plant Physiology*. Volume 170, Pages 242-50.

DOI: 10.1016/j.jplph.2012.09.009

ELLAWALA C., ASAEDA T., KAWAMURA K. (2011). Influence of flow turbulence on *Chara fibrosa*: growth, stress, and tissue carbon content. *Journal of Freshwater Ecology*. Volume 26, Pages 507–515.

DOI: 10.1080/02705060.2011.595555

FERNÁNDEZ-MARÍN B., MÍGUEZ F., BECERRIL J. M., ET AL. (2011). Activation of violaxanthin cycle in darkness is a common response to different abiotic stresses: a case study in *Pelvetia canaliculata*. *BMC Plant Biology*. Volume 11.

DOI:10.1186/1471-2229-11-181

GABILLY S. T., KROPAT J., KARAMOKO M., ET AL. (2011). A Novel Component of the Disulfide-Reducing Pathway Required for Cytochrome c Assembly in Plastids. Genetics. Volume 187, Pages 793–802.

DOI: 10.1534/genetics.110.125369

MISHRA A., MISHRA .K. B., HÖERMILLER II., ET AL. (2011). Chlorophyll fluorescence emission as a reporter on cold tolerance in Arabidopsis thaliana accessions. Plant Signaling & Behavior. Volume 6, Pages 301-310.

DOI:10.4161/psb.6.2.15278