

PLANTPEN

LIST OF REFERENCES

2024

CHANDROU, E., FALIAGKA, S., MOURANTIAN, A., KOLLAROS, M.G., KARAMANOLI, K., ET AL. (2024). Exploring the Potential of Biostimulants to Optimize Lettuce Cultivation in Coupled and Decoupled Aquaponics Systems: Growth Performance, Functional Characteristics and Metabolomic Analysis. *Horticulturae*, 10, 514.

DOI: 10.3390/horticulturae10050514

JOHNSON, K., VU, D. H., & ASCH, F. (2024). Traits contributing to salinity tolerance in rice genotypes from the Mekong Delta. *Journal of Agronomy and Crop Science*, 210, e12679.

DOI: 10.1111/jac.12679

PIETRINI, F., WYRWICKA-DREWNIAK, A., PASSATORE, L. ET AL. (2024). PFOA accumulation in the leaves of basil (*Ocimum basilicum* L.) and its effects on plant growth, oxidative status, and photosynthetic performance. *BMC Plant Biol* 24, 556.

DOI: 10.1186/s12870-024-05269-0

2023

CARVALHO, L., PINTO, T., CAMMISANO, A., CID, J., FAÍSCA-SILVA, D., ET AL. (2023). Polyclonal selection for abiotic stress tolerance in Arinto: Implications in yield and quality of the must. *BIO Web of Conferences* 68, 01010.

DOI: 10.1051/bioconf/20236801010

CHAHLOUL, N., KHADHRI, A., VANNINI, A., ET AL. (2023). Selecting the species to be used in lichen transplant surveys of air pollution in Tunisia. *Environ Monit Assess.* 195, 570.

DOI: 10.1007/s10661-023-11219-4

DE OCAMPO, A. L. P. (2023). Normalized Difference Vegetation Index (NDVI) Estimation based on Filter Augmented Imaging. *International Electrical Engineering Congress (iEECON)*. Krabi, Thailand, pp. 84-88.

DOI: 10.1109/iEECON56657.2023.10126616

ERLANDSSON, R., ARNEBERG, M. K., TØMMERVIK, H. ET AL. (2023). Feasibility of active handheld NDVI sensors for monitoring lichen ground cover. *Fungal Ecology.* 63, 101233.

DOI: 10.1016/j.funeco.2023.101233

ERNST, D., KOLENČIK, M., SEBESTA, M., ET AL. (2023). Agronomic Investigation of Spray Dispersion of Metal-Based Nanoparticles on Sunflowers in Real-World Environments. *Plants* 2023, 12(9), 1789.

DOI: 10.3390/plants12091789

ERNST, D., KOLENČÍK, M., ŠEBESTA, M., ET AL. (2023). Significance of Phosphate Nano-Fertilizers Foliar Application: A Brief Real-Field Study of Quantitative, Physiological Parameters, and Agro-Ecological Diversity in Sunflower. *Agronomy*, 13, 2606.

DOI: 10.3390/agronomy13102606

FERNÁNDEZ-ALONSO, F.J., HERNÁNDEZ, Z., & TORRES-COSTA, V. (2023). A Cost-Effective Portable Multiband Spectrophotometer for Precision Agriculture. *Agriculture*, 13, 1467.

DOI: 10.3390/agriculture13081467

GUNERI, M. AND DALKILIC, Z. (2023). Effects of salicylic acid application on germination, growth and development of rough lemon (*Citrus jambhiri* Lush.) under salt stress. *Acta Sci. Pol. Hortorum Cultus*. 22(2), 13-26.

ORCID: 0000-0002-0946-1036

HOREL, A. AND ZSIGMOND, T. (2023). Plant Growth and Soil Water Content Changes under Different Inter-Row Soil Management Methods in a Sloping Vineyard. *Plants*, 12, 1549.

DOI: 10.3390/plants12071549

KUANAR, S. R., SARKAR, R. K., PANIGRAHI, R., AND MOHAPATRA, P. K. (2023). Introgression of SUB1 aggravates the susceptibility of the popular rice cultivars Swarna and Savitri to stagnant flooding. *Nature, Sci Rep* 13, 9032.

DOI: 10.1038/s41598-023-35251-z

MOURANTIAN, A., ASLANIDOU, M., MENTE, E., KATSIOULAS, N. & LEVIZOU, E. (2023). Basil functional and growth responses when cultivated via different aquaponic and hydroponics systems. *PeerJ* 11:e15664

DOI: 10.7717/peerj.15664

MUSTAFA, A., HOLATKO, J., HAMMERSCHMIEDT, T. ET AL. (2023). The Role of Biochar Co-Pyrolyzed with Sawdust and Zeolite on Soil Microbiological and Physicochemical Attributes, Crop Agronomic, and Ecophysiological Performance. *J Soil Sci Plant Nutr* 23, 4899–4911.

DOI: 10.1007/s42729-023-01428-8

NAVARRO-TORRE, S., FERRARIO, S., CAPERTA, A. D., ET AL. (2023). Halotolerant endophytes promote grapevine regrowth after salt-induced defoliation, *Journal of Plant Interactions*. 18:1, 2215235.

DOI: 10.1080/17429145.2023.2215235

PUHOVKIN, A., SMYKLA, J., VÁČZI, P., & PARNIKOZA, I. (2023). Spectral characteristics of bryophyte carpet and mat subforma-tion showing a vitality-dependent color pattern: Comparison for two distant regions of maritime Antarctica. *Czech Polar reports* 13(1):96-111.

DOI: 10.5817/CPR2023-1-9

SENRA, J. F. B., SILVA, J. A., ESPOSTI, M. D. D., ET AL. (2023). Promising conilon coffee trees clones for agroforestry and intercropping systems. *Agroforestry Systems*, preprint.

DOI: 10.21203/rs.3.rs-2484897/v1

SENRA, J. F. B., SILVA, J. A., FERREIRA, A., ET AL. (2023). Initial performance and genetic diversity of coffee trees cultivated under contrasting altitude conditions. *Sci. Agric.* v.80, e20220163.

DOI: 10.1590/1678-992X-2022-0163

TSOUMALAKOU, E., MENTE, E., VLAHOS, N. AND LEVIZOU, E. (2023). Cultivating the Mediterranean Wild Edible Species *Cichorium spinosum* L. in Aquaponics: Functional and Growth Responses to Minimal Nutrient Supplementation. *Sustainability*. 15, 5572.

DOI: 10.3390/su15065572

TSOUMALAKOU, E., MENTE, E., VLAHOS, N. AND LEVIZOU, E. (2023). Spinach Responds to Minimal Nutrient Supplementation in Aquaponics by Up-Regulating Light Use Efficiency, Photochemistry, and Carboxylation. *Horticulturae*. 9, 291.

DOI: 10.3390/horticulturae9030291

ZHANG, Y., XIAOWEI, D., CHEN, Z. AND HOU, G. (2023). A study on the physiological parameters of corn during the jointing stage of growth under soil water stress based on the PSII light quantum yield (QY). *HydroResearch*. 6, 177-183.

DOI: 10.1016/j.hydres.2023.04.002

2022

ABDELHAKIM, L. O. A., MENDANHA, T., PALM, A. C. F. F., ET AL. (2022). Elevated CO₂ Improves the Physiology but Not the Final Yield in Spring Wheat Genotypes Subjected to Heat and Drought Stress During Anthesis. *Front. Plant Sci.* 13:824476.

DOI: 10.3389/fpls.2022.824476

ALIPOUR, A., WOJCIECHOWSKA, N., BUJARSKA-BORKOWSKA, B., ET AL. (2022). Distinct redox state regulation in the seedling performance of Norway maple and sycamore. *Journal of Plant Research*. 136, 83–96.

DOI: 10.1007/s10265-022-01419-3

COLZI, I., RENNA, L., BIANCHI, E., ET AL. (2022). Impact of microplastics on growth, photosynthesis and essential elements in *Cucurbita pepo* L. *Journal of Hazardous Materials*. 423 (Part B), 127238

DOI: 10.1016/j.jhazmat.2021.127238

DITTMANN, S., MOSLEY, L., STANGOULIS, J., ET AL. (2022). Effects of Extreme Salinity Stress on a Temperate Mangrove Ecosystem. *Front. For. Glob. Change, Sec. Tropical Forests*. 5.

DOI: 10.3389/ffgc.2022.859283

ELVANIDI, A. AND KATSIOULAS, N. (2022) Machine Learning-Based Crop Stress Detection in Greenhouses. *Plants*. 12, 52.

DOI: 10.3390/plants12010052

FEDELI, R., ALEXANDROV, D., CELLETTI, S., ET AL. (2022). Biochar improves the performance of *Avena sativa* L. grown in gasoline-polluted soils. *Environmental Science and Pollution Research*. 30: 28791–28802.

DOI: 10.1007/s11356-022-24127-w

KOLEV, K. AND ANEV, S. (2022). Physiological aspects of natural regeneration in coppiced forest dominated by *Quercus frainetto* Ten. and *Quercus cerris* L. *Forestry ideas*. 28, 2(64), 446-454.

LIATILE, P. C., POTGIETER, G., MOLOI, M. J., (2022). A Natural Bio-Stimulant Consisting of a Mixture of Fish Protein Hydrolysates and Kelp Extract Enhances the Physiological, Biochemical and Growth Responses of Spinach under Different Water Levels. *Plants*. 11, 3374.

DOI: 10.3390/plants11233374

LORENZ, C., BIANCHI, E., BENESPERI, R., ET AL. (2022). Survival of *Xanthoria parietina* in simulated space conditions: vitality assessment and spectroscopic analysis. *International Journal of Astrobiology*. 1–17.

DOI: 10.1017/S1473550422000076

MUSTAFA, A., BRTNICKY, M., HAMMERSCHMIEDT, T., ET AL. (2022). Food and agricultural wastes-derived biochars in combination with mineral fertilizer as sustainable soil amendments to enhance soil microbiological activity, nutrient cycling and crop production. *Front. Plant Sci.* 13:1028101.

DOI: 10.3389/fpls.2022.1028101

MUSTAFA, A., HOLATKO, J., HAMMERSCHMIEDT, T., ET AL. (2022). Comparison of the Responses of Soil Enzymes, Microbial Respiration and Plant Growth Characteristics under the Application of Agricultural and Food Waste-Derived Biochars. *Agronomy*, 12(10), 2428.

DOI: 10.3390/agronomy12102428

RANA, D., ARCOVERDE CERVEIRA STERNER, V., POTLURI, A. K., ET AL. (2022). S-Methylmethionine Effectively Alleviates Stress in Szarvasi-1 Energy Grass by Reducing Root-to-Shoot Cadmium Translocation. *Plants*, 11, 2979.

DOI: 10.3390/plants11212979

SIMIC, D., GALIC, V., SPISIC, J., ET AL. (2022). Field-Based High-Throughput Phenotyping Using Newly Developed Proximal Sensor Device. *International Conference on Smart Systems and Technologies (SST)*.

DOI: 10.1109/SST55530.2022.9954672

CORTINHAS, A., FERREIRA, T. C., ABREU, M. M., AND CAPERTA, A. D. (2021). Conservation of a critically endangered endemic halophyte of west Portugal: a microcosm assay to assess the potential of soil technology for species reintroduction. *Frontiers in Ecology and Evolution*. 9, 267.

DOI: 10.3389/fevo.2021.604509

DE LUCA, A., CORELL, M., CHIVET, M., PARRADO, M. A., PARDO, J. M., & LEIDI, E. O. (2021). Reassessing the Role of Potassium in Tomato Grown with Water Shortages. *Horticulturae*, 7(2), 20.

DOI: 10.3390/horticulturae7020020

JAFAROVA, M., VANNINI, A., MONACI, F., LOPPI, S. (2021). Influence of Moderate Cd and Pb Soil Pollution on Seed Development, Photosynthetic Performance and Foliar Accumulation in the Medicinal Plant *Hypericum perforatum*. *Pollutants* 2021, 1, 1–9.

DOI: pollutants1010001

LEITÃO, I., MOURATO, M. P., CARVALHO, L., OLIVEIRA, M. C., ET AL. (2021). Antioxidative response of lettuce (*Lactuca sativa*) to carbamazepine-induced stress. *Environmental Science and Pollution Research*, 28(33), 45920–45932.

DOI:10.1007/s11356-021-13979-3

LEIVA F., VALLENBACK P., EKBLAD T., JOHANSSON E., CHAWADE A. (2021). Phenocave: An Automated, Standalone, and Affordable Phenotyping System for Controlled Growth Conditions. *Plants*. 2021; 10(9):1817.

DOI: 10.3390/plants10091817

NOGALES, A., ROTTIER, E., CAMPOS, C., VICTORINO, G., ET AL. (2021). The effects of field inoculation of arbuscular mycorrhizal fungi through rye donor plants on grapevine performance and soil properties. *Agriculture, Ecosystems & Environment*, 313, 107369.

DOI:10.1016/j.agee.2021.107369

PAČUTA, V., RAŠOVSKÝ, M., MICHALSKA-KLIMCZAK, B., & WYSZYŃSKI, Z. (2021). *Impact of Superabsorbent Polymers and Variety on Yield, Quality and Physiological Parameters of the Sugar Beet (Beta vulgaris prov. Altissima Doell). Plants*, 10(4), 757.

DOI:10.3390/plants10040757

PANIGRAHY, M., DAS, S., POLI, Y., SAHOO, P. K., KUMARI, K., & PANIGRAHI, K. C. S. (2021). *Carbon Nanoparticle Exerts Positive Growth Effects with Increase in Productivity by Down-Regulating Phytochrome B and Enhancing Internal Temperature in Rice. Rice Science*, 28(3), 289–300.

DOI:10.1016/j.rsci.2021.04.007

POKLUDA R, RAGASOVA ´ L, JURICA M, KALISZ A, KOMOROWSKA M, NIEMIEC M, ET AL. (2021) *Effects of growth promoting microorganisms on tomato seedlings growing in different media conditions. PLoS ONE* 16(11): e0259380.

DOI: 10.1371/journal.pone.0259380

RATSIATOSIKA, O., BLANCHART, E., RAZAFIMBELO, T., ET AL. (2021). *Does rice breeding affect the ability of plants to interact with earthworms in nutrient-depleted Ferralsols? Applied Soil Ecology*, 163, 103958.

DOI:10.1016/j.apsoil.2021.103958

SANLI, S. & DALKILIÇ, Z. (2021). *Determination of Effective Mutation Dose on Walnut (Juglans regia L. cv. Chandler) Budwoods. Adnan Menderes Üniversitesi Ziraat Fakültesi Dergisi*, 18 (1), 111-117.

DOI: 10.25308/aduziraat.859402

TODOROVA, M., PETKOVA, N., GROZEVA, N., GERDZHIKOVA, M., ET AL. (2021). *NDVI, chlorophyll and carotenoids content of leaves of Rosa damascena Mill under organic and conventional farming. IOP Conference Series: Materials Science and Engineering*, 1031(1), 012013.

DOI:10.1088/1757-899x/1031/1/012013

TONG, R. C., WHITEHEAD, C. S., & FAWOLE, O. A. (2021). *Effects of Conventional and Bokashi Hydroponics on Vegetative Growth, Yield and Quality Attributes of Bell Peppers. Plants*, 10(7), 1281.

DOI:10.3390/plants10071281

VANNINI, A., CANALI, G., FAVERO-LONGO, S. E., & LOPPI, S. (2021). *Accumulation and Phytotoxicity of Two Commercial Biocides in the Lichen Evernia prunastri and the Moss Brachythecium sp. Stresses*, 1(2), 69–77.

DOI:10.3390/stresses1020006

VANNINI, A., MORATELLI, F., MONACI, F., & LOPPI, S. (2021). *Effects of wood distillate and soy lecithin on the photosynthetic performance and growth of lettuce (Lactuca sativa L.). SN Applied Sciences*, 3(1).

DOI:10.1007/s42452-020-04028-8

BEDNAŘÍKOVÁ, M., VÁCZI, P., LAZÁR, D., & BARTÁK, M. (2020). *Photosynthetic performance of Antarctic lichen Dermatocarpon polyphyllizum when affected by desiccation and low temperatures. Photosynthesis Research*.

DOI:10.1007/s11120-020-00773-4

CORTINHAS, A., CAPERTA, A. D., TEIXEIRA, G., CARVALHO, L., & ABREU, M. M. (2020). *Harnessing sediments of coastal aquaculture ponds through technosols construction for halophyte cultivation using saline water irrigation. Journal of Environmental Management*, 261, 109907.

DOI:10.1016/j.jenvman.2019.109907

FAČKOVCOVÁ, Z., VANNINI, A., MONACI, F., ET AL. (2020). Effects of wood distillate (pyroligneous acid) on sensitive bioindicators (lichen and moss). *Ecotoxicology and Environmental Safety*, 204, 111117.

DOI:10.1016/j.ecoenv.2020.111117

JABRAN, K., & DOĞAN, M. N. (2020). Elevated CO₂, Temperature and Nitrogen Levels Impact Growth and Development of Invasive Weeds in the Mediterranean Region. *Journal of the Science of Food and Agriculture*.

DOI:10.1002/jsfa.10550

KOLENČÍK, M., ERNST, D., URÍK, M., ĎURIŠOVÁ, L., ET AL. (2020). Foliar Application of Low Concentrations of Titanium Dioxide and Zinc Oxide Nanoparticles to the Common Sunflower under Field Conditions. *Nanomaterials*, 10(8), 1619.

DOI:10.3390/nano10081619

LV, X., ZHANG, Y., ZHANG, Y., FAN, S., & KONG, L. (2020). Source-sink modifications affect leaf senescence and grain mass in wheat as revealed by proteomic analysis. *BMC Plant Biology*, 20(1).

DOI:10.1186/s12870-020-02447-8

NOGALES, A., RIBEIRO, H., NOGALES-BUENO, J., ET AL. (2020). Response of Mycorrhizal 'Touriga Nacional' Variety Grapevines to High Temperatures Measured by Calorespirometry and Near-Infrared Spectroscopy. *Plants*, 9(11), 1499.

DOI:10.3390/plants9111499

ROSSINI-OLIVA, S., ABREU, M. M., SANTOS, E. S., & LEIDI, E. O. (2020). Soil–plant system and potential human health risk of Chinese cabbage and oregano growing in soils from Mn- and Fe-abandoned mines: microcosm assay. *Environmental Geochemistry and Health*.

DOI:10.1007/s10653-020-00514-5

CHEN S., GUO Y., SIRALUT X., ET AL. (2019). Nondestructive Phenomic Tools for the Prediction of Heat and Drought Tolerance at Anthesis in Brassica Species. *Plant Phenomics*, 16 pages.

DOI: 10.34133/2019/3264872

LV X., ZHANG Y., ZHANG Y., ET AL. (2019). Source-Sink Modifications Affect Leaf Senescence and Grain Mass in Wheat. *bioRxiv* 647743.

DOI: 10.1101/647743

PATERSON, I. D., COETZEE, J. A., WEYL, P., GRIFFITH, T. C., VOOGT, N., & HILL, M. P. (2019). Cryptic species of a water hyacinth biological control agent revealed in South Africa: host specificity, impact, and thermal tolerance. *Entomologia Experimentalis et Applicata*.

DOI:10.1111/eea.12812

RUIZ DE LARRINAGA, L., RESCO DE DIOS, V., FABRIKOV, D., GUIL-GUERRERO, J. L., ET AL. (2019). Life after Harvest: Circadian Regulation in Photosynthetic Pigments of Rocket Leaves during Supermarket Storage Affects the Nutritional Quality. *Nutrients*, 11(7), 1519.

DOI:10.3390/nu11071519

RAMINOARISON, M., RAZAFIMBELO, T., RAKOTOSON, T., ET AL. (2019). Multiple-nutrient limitation of upland rainfed rice in ferralsols: a greenhouse nutrient-omission trial. *Journal of Plant Nutrition*, 1–15.

doi:10.1080/01904167.2019.1676906

BARTÁK M., HAJEK J., MORKUSOVA J., ET AL. (2018). Dehydration-induced changes in spectral reflectance indices and chlorophyll fluorescence of Antarctic lichens with different thallus color, and intrathalline photobiont. *Acta Physiologiae Plantarum*, 40(10).

DOI: 10.1007/s11738-018-2751-3

BUEZO, J., SANZ-SAEZ, Á., MORAN, J. F., SOBA, D., ARANJUELO, I., & ESTEBAN, R. (2018). Drought tolerance response of high-yielding soybean varieties to mild drought: physiological and photochemical adjustments. *Physiologia Plantarum*.

DOI:10.1111/ppl.12864

CROFT H. AND CHEN J. (2018). Leaf Pigment Content. Reference Module in Earth Systems and Environmental Sciences.

DOI: 10.1016/B978-0-12-409548-9.10547-0

FERNÁNDEZ-MARÍN, B., GARCÍA-PLAZAOLA, J. I., HERNÁNDEZ, A., & ESTEBAN, R. (2018). Plant Photosynthetic Pigments: Methods and Tricks for Correct Quantification and Identification. *Advances in Plant Ecophysiology Techniques*, 29–50.

DOI:10.1007/978-3-319-93233-0_3

JABRAN K. AND DOĞAN M. N. (2018), High carbon dioxide concentration and elevated temperature impact the growth of weeds but do not change the efficacy of glyphosate. *Pest. Manag. Sci.*, 74: 766–771.

DOI:10.1002/ps.4788

OH D., RYU J. H., OH S., JEONG H., PARK J., ET AL. (2018). Optical Sensing for Evaluating the Severity of Disease Caused by *Cladosporium* sp. in Barley under Warmer Conditions. *Plant Pathol J.* 2018 Jun;34(3):236-240.

DOI: 10.5423/PPJ.NT.11.2017.0247.

OREKHOVA A., MAREČKOVÁ M., HAZDROVÁ J., BARTÁK M. (2018). The effect of upper cortex absence on spectral reflectance indices in Antarctic lichens during thallus dehydration. *CZECH POLAR REPORTS* 8 (1): 107-118.

DOI: 10.5817/CPR2018-1-8

PRUSTY N., PRADHAN B., CHATTOPADHYAY D. K., ET AL. (2018). Novel Rice (*Oryza sativa* L.) Genotypes Tolerant to Combined Effect of Submergence and Salt Stress. *Indian J. Plant Genet. Resour.* 31(3): 260–269.

DOI 10.5958/0976-1926.2018.00030.X

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

BARTÁK M., HAZDROVÁ J., SKÁČELOVÁ K., ET AL. (2016). Dehydration - induced responses of primary photosynthetic processes and spectral reflectance indices in Antarctic *Nostoc commune*. *CZECH POLAR REPORTS* 6(1): 87-95

MENDONÇA L. L. R., ALVES F. R., CHAGAS E. N., ET AL. (2016). Management of *Meloidogyne javanica* with biological pesticides and oils in a lettuce field. *Nematoda.* Volume 3.

DOI: 10.4322/nematoda.01515

LÓPEZ-LÓPEZ M., CALDERÓN R., GONZÁLEZ-DUGO V., ET AL. (2016). *Early Detection and Quantification of Almond Red Leaf Blotch Using High-Resolution Hyperspectral and Thermal Imagery. Remote Sens. Volume 8.*

DOI:10.3390/rs8040276

BARTÁK M., TRNKOVÁ K., HANSEN E.S. ET AL. (2015). *Effect of dehydration on spectral reflectance and photosynthetic efficiency in UMBILICARIA ARCTICA and U. HYPERBOREA. Biol Plant. 59.*

DOI: 10.1007/s10535-015-0506-1

CALDERÓN R., LUCENA C., TRAPERO-CASAS J. L. ET. AL. (2014). *Soil temperature determines the reaction of olive cultivars to Verticillium dahliae pathotypes. PLoS One. Volume 9*

DOI: 10.1371/journal.pone.0110664

CALDERÓN, R., ZARCO-TEJADA, P.J., LUCENA, C. ET AL. (2013). *High-resolution airborne hyperspectral and thermal imagery for pre-visual detection of Verticillium wilt using fluorescence, temperature and narrow-band indices, Remote Sensing of Environment. Volume 139 Pages, 231-245.*

DOI: 10.1016/j.rse.2013.07.031

ZARCO-TEJADA P.J., GUILLEN-CLIMENT M.L., HERNANDEZ-CLEMENTE R. ET AL. (2013): *Estimating leaf carotenoid content in vineyards using high resolution hyperspectral imagery acquired from an unmanned aerial vehicle. Agricultural and Forest Meteorology 171-172. Pages. 281-294.*

DOI: 10.1016/j.agrformet.2012.12.013

JUPA R., HÁJEK J., HAZDROVÁ J. ET AL. (2012). *Interspecific differences in photosynthetic efficiency and spectral reflectance in two Umbilicaria species from Svalbard during controlled desiccation. Czech Polar Reports, Brno, Volume 2, Pages 31-41.*

DOI: 10.5817/CPR2012-1-4

KOVÁR, M., VEVERKOVÁ, E. AND ČERNÝ, I. (2012). *Utilization of Enfrared Thermography and Leaf Reflectance Indices in Evaluation of Effects of the Treatment of Sunflower (Helianthus annuus L.) by Biologically Active Compounds. Acta fytotechnica et zootechnica. Volume 15, Pges 23-28*

SHRESTHA S., BRUECK H. AND ASCH F. (2012). *Chlorophyll index, photochemical reflectance index and chlorophyll fluorescence measurements of rice leaves supplied with different N levels. Journal of Photochemistry and Photobiology B: Biology. Volume 113, Pages 7–13*

DOI: 10.1016/j.jphotobiol.2012.04.008

ZARCO-TEJADA P.J., GONZALES-DUGO V. AND BERNI J.A.J. (2012): *Fluorescence, temperature and narrow-band indices acquired from a UAV platform for water stress detection using a micro-hyperspectral imager and a thermal camera. Remote Sensing of Environment. Volume, 117. Pages 322-337.*

DOI: 10.1016/j.rse.2011.10.007

CHYTYK, C. J., HUCL, P. J. AND GRAY, G. R. (2011). *Leaf photosynthetic properties and biomass accumulation of selected western Canadian spring wheat cultivars. Canadian Journal of Plant of Science. Volume 91, Pages 305-314.*

DOI: 10.4141/CJPS09163



PSI (Photon Systems Instruments), spol. s r.o.

Drasov 470, 664 24, Czech Republic

+420 511 440 012

info@psi.cz

VAT: CZ60646594

Version: 2024/08

© PSI (Photon Systems Instruments), spol. s r.o.