

POCKET-SIZED DEVICES - **FLUORPEN**

LIST OF REFERENCES

PTUSHENKO V. V., AVERCHEVA O. V., BASSARSKAYA E. M., BERKOVICH Y. A., EROKHIN, A. N., SMOLYANINA S. O., AND ZHIGALOVA, T. V. (2015). POSSIBLE REASONS OF A DECLINE IN GROWTH OF CHINESE CABBAGE UNDER A COMBINED NARROWBAND RED AND BLUE LIGHT IN COMPARISON WITH ILLUMINATION BY HIGH-PRESSURE SODIUM LAMP. *SCIENTIA HORTICULTURAE*, 194: PP. 267-277,

DOI:10.1016/J.SCIENTA.2015.08.021

FESENKO I. A., ARAPIDI G. P., SKRIPNIKOV A. Y., ET AL. (2015). Specific pools of endogenous peptides are present in gametophore, protonema, and protoplast cells of the moss *Physcomitrella patens*. *Pesticide Biochemistry and Physiology*. Volume 15, Pages 1-16.

DOI 10.1186/s12870-015-0468-7

<http://link.springer.com/article/10.1186%2Fs12870-015-0468-7>

HUMPLÍK J. F., LAZÁR D., FÜRST T. ET AL. (2015). Automated integrative high-throughput phenotyping of plant shoots: a case study of the cold-tolerance of pea (*Pisum sativum*L.). *Plant Methods*. Volume 11, Pages 1-11.

DOI 10.1186/s13007-015-0063-9

<http://link.springer.com/article/10.1186%2Fs13007-015-0063-9>

TRIPATHI D. K., SINGH V. P., PRASAD S. M. ET AL. (2015). Silicon-mediated alleviation of Cr(VI) toxicity in wheat seedlings as evidenced by chlorophyll fluorescence, laser induced breakdown spectroscopy and anatomical changes. *Ecotoxicology and Environmental Safety*, Volume 113, Pages 133-144.

DOI:10.1016/j.ecoenv.2014.09.029

<http://www.sciencedirect.com/science/article/pii/S0147651314004461>

AJIGBOYE O. O., MURCHIE E., RAY R. V. (2014). Foliar application of isopyrazam and epoxiconazole improves photosystem II efficiency, biomass and yield in winter beat. *Pesticide Biochemistry and Physiology*. Volume 114, Pages 52–60.

DOI:10.1016/j.pestbp.2014.07.003

<http://www.sciencedirect.com/science/article/pii/S0048357514001278>

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

<http://journals.plos.org/plosone/article?id=10.1371/journal.pone.0110664>

JUETERBOCK A., KOLLIAS S., SMOLINA I. ET AL. (2014). Thermal stress resistance of the brown alga *Fucus serratus* along the North-Atlantic coast: Acclimatization potential to climate change. *Marine Genomics*. Volume 13, Pages 27-36.

DOI:10.1016/j.margen.2013.12.008

<http://www.sciencedirect.com/science/article/pii/S1874778713000871>

PTUSHENKO V. V., PTUSHENKO O. S. AND TIKHONOV A. N. (2014) Chlorophyll Fluorescence Induction, Chlorophyll Content, and Chromaticity Characteristics of Leaves as Indicators of Photosynthetic Apparatus Senescence in Arboreous Plants. *Biochemistry (Moscow)*. Volume 79, Issue 3, Pages 260-272.

DOI: 10.1134/S0006297914030122

<http://link.springer.com/article/10.1134%2FS0006297914030122>

RASOOL B., KARPINSKA B., KONERT G. ET AL. (2014). Effects of light and the regulatory B-subunit composition of protein phosphatase 2A on the susceptibility of *Arabidopsis thaliana* to aphid (*Myzus persicae*) infestation. *Frontiers in Plant Science*. Volume 5.

DOI: 10.3389/fpls.2014.00405.

<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC4140078/>

THWE A. A. AND KASEMSAP P. (2014). Quantification of OJIP Fluorescence Transient in Tomato Plants Under Acute Ozone Stress. *Kasetsart Journal: Natural Science*, Volume 48, Page 665 – 675.

http://kasetsartjournal.ku.ac.th/kuj_files/2015/A1501221529054531.pdf

AROCA R., RUIZ-LOZANO M. J., ZAMARREÑO A. M., ET AL. (2013). Arbuscular mycorrhizal symbiosis influences strigolactone production under salinity and alleviates salt stress in lettuce plants. *Journal of Plant Physiology*, Volume 170, Issue 1, Pages 47-55

DOI:10.1016/j.jplph.2012.08.020

<http://www.sciencedirect.com/science/article/pii/S0176161712004014>

ESTRADA B., AROCA R., BAREA J. M. ET. AL. (2013). Native arbuscular mycorrhizal fungi isolated from a saline habitat improved maize antioxidant systems and plant tolerance to salinity. *Plant Science*. Volume 201-202, Pages 42-51.

DOI:10.1016/j.plantsci.2012.11.009

<http://www.sciencedirect.com/science/article/pii/S0168945212002427>

GAJEWSKA E., DROBIK D., WIELANEK M. ET AL. (2013). Alleviation of nickel toxicity in wheat (*Triticum aestivum* L.) seedlings by selenium supplementation. *Biological Letters*. Volume 50, Issue 2, Pages 65–78.

DOI: 10.2478/biolet-2013-0008

<http://www.degruyter.com/view/j/biolet.2013.50.issue-2/biolet-2013-0008/biolet-2013-0008.xml>

PTUSHENKO V.V., PTUSHENKO E. A., SAMOILOVA O. P. ET AL. (2013). Chlorophyll fluorescence in the leaves of *TRADESCANTIA* species of different ecological groups: Induction events at different intensities of actinic light. *Biosystems*. Volume 114, Issue 2, Pages 85–97.

DOI:10.1016/j.biosystems.2013.08.001

<http://www.sciencedirect.com/science/article/pii/S0303264713001810>

SHAKHATREH Y., CARVALHO P., FOULKES J. ET AL. (2013). ACLIMAS annual meeting – Rabat, 23 October 2013.

<http://www.aclimas.eu/Reports-Documents/ACLIMAS%20SWIM-DP%202nd%20Annual%20Meeting,%20Rabat,%202013-24%20October%202013/ACLIMAS,%20Jordan%20achievements%20and%20future%20plans.pdf>

KLEM K., AČ A., HOLUB P. ET AL. (2012). Interactive effects of PAR and UV radiation on the physiology, morphology and leaf optical properties of two barley varieties. *Environmental and Experimental Botany*. Volume 75, Pages 52-64.

DOI:10.1016/j.envexpbot.2011.08.008

<http://www.sciencedirect.com/science/article/pii/S0098847211001900>

VREDENBERG W. AND PAVLOVIČ A. (2012). 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 242-250.

DOI:10.1016/j.jplph.2012.09.009

<http://www.sciencedirect.com/science/article/pii/S017616171200404X>

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 Science*. Volume 91, Pages 305-314.

DOI: 10.4141/CJPS09163

<http://pubs.aic.ca/doi/abs/10.4141/CJPS09163>

COWLEY R. AND LUCKETT D. (2011) Chlorophyll fluorescence as a method to detect moisture-limiting stress in canola. 17th Australian Research Assembly on Brassicas (ARAB)

http://www.australianoilseeds.com/_data/assets/pdf_file/0017/8306/S1-P1-Cowley.pdf

KOCUREK V., VONDRA M. AND SMUTNÝ, V. (2011). Efficacy of reduced doses of bentazone assessed by instruments based on measurement of chlorophyll fluorescence. *Acta Universitatis Agriculturae et Silviculturae Mendelianae Brunensis*. Volume 59, Pages 137-144

DOI: 10.11118/actaun201159010137

<http://acta.mendelu.cz/59/1/0137/>

KUVYKIN V., PTUSHENKO V. V., VERSHUBSKII A. V. ET AL. (2011). Regulation of electron transport in C₃ plant chloroplasts in situ and in silico: Short-term effects of atmospheric CO₂ and O₂. *Biochimica et Biophysica Acta (BBA) - Bioenergetics*, Volume 1807, Issue 3, Pages 336-347.

DOI:10.1016/j.bbabi.2010.12.012

<http://www.sciencedirect.com/science/article/pii/S0005272810007991>

LUCIŃSKI R., MISZTAŁ L. SAMARDAKIEWICZ S. ET AL. (2011). The thylakoid protease Deg2 is involved in stress-related degradation of the photosystem II light-harvesting protein Lhcb6 in *Arabidopsis thaliana*. *New Phytologist*. Volume 192, Pages 74-86.

DOI: 10.1111/j.1469-8137.2011.03782.x.

<http://www.ncbi.nlm.nih.gov/pubmed/21668884>

RUIZ-SÁNCHEZ, M., ARMADA, E., MUÑOZ, Y., ET AL. (2011). Azospirillum and arbuscular mycorrhizal colonization enhance rice growth and physiological traits under well-watered and drought conditions. *Journal of Plant Physiology*. Volume 168, Issue 10, Pages 1031-1037.

DOI:10.1016/j.jplph.2010.12.019

<http://www.sciencedirect.com/science/article/pii/S0176161711000794>

SAMOILOVA O. P., PTUSHENKO V. V., KUVYKIN V. ET AL. (2011) Effects of light environment on the induction of chlorophyll fluorescence in leaves: A comparative study of *Tradescantia* species of different ecotypes. *Biosystems*. Volume 105, Issue 1, Pages 41-48.

DOI:10.1016/j.biosystems.2011.03.003

<http://www.sciencedirect.com/science/article/pii/S0303264711000566>

CESSNA S., DEMMIG-ADAMS B. AND ADAMS III W. W. (2010). Exploring Photosynthesis and Plant Stress Using Inexpensive Chlorophyll Fluorometers. *Journal of Natural Resources and Life Sciences Education*. Volume 39, Pages 22-30.

DOI: 10.4195/jnrlse.2009.0024u

http://www.researchgate.net/publication/227584624_Exploring_Photosynthesis_and_Plant_Stress_Using_Inexpensive_Chlorophyll_Fluorometers

FERNANDEZ-MARIN B., BECERRIL J. M. AND GARCIA PLAZAOLA J. I. (2010). Unravelling the roles of desiccation-induced xanthophyll cycle activity in darkness: A case study in *Lobaria pulmonaria*. *Planta*. Volume 231, Pages 1335-1342.

DOI: 10.1007/s00425-010-1129-6

<http://link.springer.com/article/10.1007/s00425-010-1129-6>

FROLEC J., ŘEBÍČEK J., LAZÁR D. ET AL. (2010). Impact of two different types of heat stress on chloroplast movement and fluorescence signal of tobacco leaves. *Plant Cell Reports*. Volume 29, Pages 705-714.

DOI: 10.1007/s00299-010-0856-2

<http://link.springer.com/article/10.1007%2Fs00299-010-0856-2>

PAVLOVIČ A., SLOVÁKOVÁ L., PANDOLFI C. ET AL. (2010). On the mechanism underlying photosynthetic limitation upon trigger hair irritation in the carnivorous plant Venus flytrap (*Dionaea muscipula* Ellis). *Journal of Experimental Botany*, Volume 62, Pages 1991–2000.

DOI: 10.1093/jxb/erq404

<http://jxb.oxfordjournals.org/content/early/2011/02/02/jxb.erg404.full>

RUIZ-SÁNCHEZ M., AROCA R., MUÑOZ Y., ET AL. (2010). The arbuscular mycorrhizal symbiosis enhances the photosynthetic efficiency and the antioxidative response of rice plants subjected to drought stress. *Journal of Plant Physiology*. Volume 167, Pages 862-869.

DOI: 10.1016/j.jplph.2010.01.018

<http://www.sciencedirect.com/science/article/pii/S0176161710000933>

HARDING S. A., JARVIE M. M., LINDROTH R. L. ET AL. (2009). A comparative analysis of phenylpropanoid metabolism, N utilization, and carbon partitioning in fast- and slow-growing *POPULUS* hybrid clones. *Journal of Experimental Botany*. Volume 60, Pages 3443-3452.

DOI:10.1093/jxb/erp180

<http://jxb.oxfordjournals.org/content/60/12/3443.full.pdf+html>

KUVYKIN I.V., VERSHUBSKII A.V., PRIKLONSKII V.I. ET AL. (2009). Computer simulation study of pH-dependent regulation of electron transport in chloroplasts. *Biophysics*. Volume 54, Pages 455-464.

DOI: 10.1134/S0006350909040101

<http://link.springer.com/article/10.1134%2FS0006350909040101>

MACEK P., MACKOVÁ J. AND DE BELLO F., (2009). Morphological and ecophysiological traits shaping altitudinal distribution of three *Polylepis* treeline species in the dry tropical Andes. *Acta Oecologica*, Volume 35, Pages 778–785.

DOI:10.1016/j.actao.2009.08.013

<http://www.sciencedirect.com/science/article/pii/S1146609X09001076>

ROSESCU M. R. AND ANDREI M. (2009). The study of photosystem II efficiency on selected synanthropic plant species. *Annals Food Science and Technology*. Volume 10, Pages 115-119.

http://www.afst.valahia.ro/docs/issues/13_Rosescu.pdf

BARTÁK, M (2008) *Biophysical Methods and Approaches to Monitor In-situ Lichen Responses to Environmental Extremes*. Coordination Action for Research Activities on life in Extreme Environments. Publication 2.

<http://carex->

[eu.ameos.net/fileadmin/user/upload/Workshops/Project_Forum/Proceedings_ModEco_Final.pdf](http://carex-eu.ameos.net/fileadmin/user/upload/Workshops/Project_Forum/Proceedings_ModEco_Final.pdf)

KLEM K. AND BAJEROVA, E., (2008). Adjustment of herbicide dose in sugar beet based on non-invasive chlorophyll fluorescence measurements. *Agricultural And Biosystems Engineering For A Sustainable World: National Conference On Agricultural Engineering, Hersonissos, Crete, Greece, Pages 23-25.*

<http://www.cabdirect.org/abstracts/20083323643.html>

WOO N. S., BADGER M. R. AND POGSON B. J. (2008) A rapid, non-invasive procedure for quantitative assessment of drought survival using chlorophyll fluorescence *Plant Methods*, Volume 4, Issue 27, Pages 1-14.

DOI:10.1186/1746-4811-4-27

<http://www.plantmethods.com/content/4/1/27>

Version: 2015/10

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