

PSK - Plant Stress Kit Chlorophyll Fluorometer (Fv/Fm meter and Y(II) meter) publications list to October 2024

- Comite, E., El-Nakhel, C., Roupshael, Y., Ventorino, V., Pepe, O., Borzacchiello, A., Vinale, F., Rigano, D., Staropoli, A., Lorito, M., & Woo, S. L. (2021). Bioformulations with Beneficial Microbial Consortia, a Bioactive Compound and Plant Biopolymers Modulate Sweet Basil Productivity, Photosynthetic Activity and Metabolites. *Pathogens* 2021, Vol. 10, Page 870, 10(7), 870. <https://doi.org/10.3390/PATHOGENS10070870>
- Damiano, N., Arena, C., Bonfante, A., Caputo, R., Erbaggio, A., Cirillo, C., & De Micco, V. (2022). How Leaf Vein and Stomata Traits Are Related with Photosynthetic Efficiency in Falanghina Grapevine in Different Pedoclimatic Conditions. *Plants*, 11(11), 1507. <https://doi.org/10.3390/PLANTS11111507/S1>
- El-Nakhel, C., Cristofano, F., Colla, G., Pii, Y., Secomandi, E., De Gregorio, M., Buffagni, V., Garcia-Perez, P., Lucini, L., & Roupshael, Y. (2023). Vegetal-derived biostimulants distinctively command the physiological and metabolomic signatures of lettuce grown in depleted nitrogen conditions. *Scientia Horticulturae*, 317, 112057. <https://doi.org/10.1016/J.SCIENTA.2023.112057>
- Formisano, L., Ciriello, M., El-Nakhel, C., Kyriacou, M. C., & Roupshael, Y. (2021). Successive Harvests Modulate the Productive and Physiological Behavior of Three Genovese Pesto Basil Cultivars. *Agronomy* 2021, Vol. 11, Page 560, 11(3), 560. <https://doi.org/10.3390/AGRONOMY11030560>
- Heydarian, Z., Gruber, M., Coutu, C., Glick, B. R., & Hegedus, D. D. (2021). Gene expression patterns in shoots of *Camelina sativa* with enhanced salinity tolerance provided by plant growth promoting bacteria producing 1-aminocyclopropane-1-carboxylate deaminase or expression of the corresponding *acdS* gene. *Scientific Reports* 2021 11:1, 11(1), 1–15. <https://doi.org/10.1038/s41598-021-83629-8>
- Heydarian, Z., Harrington, M., & Hegedus, D. D. (2024). Defects in *Glabrous 3 (GL3)* functionality underlie the absence of trichomes in *Brassica napus*. *The Plant Journal*, 119(4), 1703–1719. <https://doi.org/10.1111/TPJ.16878>
- Heydarian, Z., Yu, M., Gruber, M., Coutu, C., Robinson, S. J., & Hegedus, D. D. (2018). Changes in gene expression in *Camelina sativa* roots and vegetative tissues in response to salinity stress. *Scientific Reports*, 8(1), 9804. <https://doi.org/10.1038/s41598-018-28204-4>
- Lazarević, B., Carović-stanko, K., & Šatović, Z. (2019). Physiological Responses of Basil (*Ocimum Basilicum* L.) Cultivars to *Rhizophagus Irregularis* Inoculation under Low Phosphorus Availability. *Plants* 2020, Vol. 9, Page 14, 9(1), 14. <https://doi.org/10.3390/PLANTS9010014>
- Modarelli, G. C., Vanacore, L., Langellotti, A. L., Masi, P., Cirillo, C., De Pascale, S., & Roupshael, Y. (2022). Supplemental daily light integral by LED light to improve the growth of leafy vegetables in aquaponics system. *Acta Horticulturae*, 1345, 181–188. <https://doi.org/10.17660/ACTAHORTIC.2022.1345.24>
- Modarelli, G. C., Vanacore, L., Langellotti, A. L., Masi, P., De Pascale, S., Roupshael, Y., & Cirillo, C. (2022). Nutrient accumulation, growth and quality of leafy vegetables in aquaponics system are modulated by supplemental LED lighting. *Acta Horticulturae*, 1356, 109–116. <https://doi.org/10.17660/ACTAHORTIC.2022.1356.16>



- Modarelli, G. C., Vanacore, L., Roupael, Y., Langellotti, A. L., Masi, P., De Pascale, S., & Cirillo, C. (2023). Hydroponic and Aquaponic Floating Raft Systems Elicit Differential Growth and Quality Responses to Consecutive Cuts of Basil Crop. *Plants*, 12(6), 1355. <https://doi.org/10.3390/PLANTS12061355>
- PETRACCA, F., ARENA, C., CIRILLO, C., & DE MICCO, V. (2023). The basalt dust deposition on leaves does not influence the measurement of ecophysiological traits in grapevine. *Photosynthetica*, 61(SPECIAL ISSUE 2023/1), 244–249. <https://doi.org/10.32615/ps.2023.013>
- Pintar, A., Svečnjak, Z., Lakić, J., Magdić, I., Brzoja, D., & Barić, K. (2021). The susceptibility of pea (*Pisum sativum* L.) to simulated mesotrione residues as affected by soil pH manipulation. *Agriculture (Switzerland)*, 11(8). <https://doi.org/10.3390/agriculture11080688>
- Roupael, Y., Carillo, P., Ciriello, M., Formisano, L., El-Nakhel, C., Ganugi, P., Fiorini, A., Miras Moreno, B., Zhang, L., Cardarelli, M., Lucini, L., & Colla, G. (2023). Copper boosts the biostimulant activity of a vegetal-derived protein hydrolysate in basil: morpho-physiological and metabolomics insights. *Frontiers in Plant Science*, 14, 1235686. <https://doi.org/10.3389/FPLS.2023.1235686/BIBTEX>
- Vannucchi, F., Imperato, V., Saran, A., Staykov, S., D'haen, J., Sebastiani, L., Vangronsveld, J., & Thijs, S. (2021). Inoculated seed endophytes modify the poplar responses to trace elements in polluted soil. *Agronomy*, 11(10), 1987. <https://doi.org/10.3390/AGRONOMY11101987>
- Vitale, L., Polimeno, F., Ottaiano, L., Maglione, G., Tedeschi, A., Mori, M., De Marco, A., Di Tommasi, P., & Magliulo, V. (2017a). Fertilizer type influences tomato yield and soil N₂O emissions. *Plant, Soil and Environment*, 63(3), 105–110. <https://doi.org/10.17221/678/2016-PSE>