



LCi-T, The Accessible Photosynthesis System publications list to October 2024

- Kumar, K. P., Pushpam, R., Manonmani, S., Raveendran, M., Santhiya, S., & Senthil, A. (2024). Enhancing stress resilience in rice (*Oryza sativa* L.) through profiling early-stage morpho-physiological and molecular responses to multiple abiotic stress tolerance. *Frontiers in Plant Science*, 15, 1342441.
<https://doi.org/10.3389/fpls.2024.1342441>
- Lopes, A. S., Dias, T. J., de Oliveira, A. M., de França, J. G., de Moura, V. S., de Andrade, A. N., Lopes, M. S. de A., Gomes, D. da S., Ferreira, L. M., Henschel, J. M., & Batista, D. S. (2024). Humic Acid-Salinity Interaction on Morphophysiological and Post-Harvest Characteristics of Red Beet. *Journal of Soil Science and Plant Nutrition*, 1–15. <https://www.doi.org/10.1007/s42729-024-02090-4>
- Moreno-Teruel, M. Á., Molina-Aiz, F. D., López-Martínez, A., Valera-Martínez, D. L., Peña-Fernández, A., & Baptista, F. (2024). *Impact of a High-PAR Transmittance and High Light Diffusivity Plastic Cover on Photosynthetic Activity and Development of Cucumber (Cucumis sativus L.) Crops in a Mediterranean Greenhouse*.
<https://doi.org/10.20944/preprints202410.1289.v1>
- Santos, V. P. dos, & Coelho Filho, M. A. (2024). Effects of sunscreen protection and water management on the physiology and production of ‘Pera’ sweet orange orchards in sub-humid climate. *Revista Brasileira de Fruticultura*, 46, e-612. <https://doi.org/10.1590/0100-29452024612>
- Zydlik, Z., Zydlik, P., Jarosz, Z., & Wiczorek, R. (2023). The Use of Organic Additives for Replanted Soil in Apple Tree Production in a Fruit Tree Nursery. *Agriculture* 2023, Vol. 13, Page 973, 13(5), 973.
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- Cristofano, F., El-Nakhel, C., Colla, G., Cardarelli, M., Pii, Y., Lucini, L., & Rouphael, Y. (2023). Modulation of Morpho-Physiological and Metabolic Profiles of Lettuce Subjected to Salt Stress and Treated with Two Vegetal-Derived Biostimulants. *Plants* 2023, Vol. 12, Page 709, 12(4), 709. <https://doi.org/10.3390/PLANTS12040709>
- Del Zozzo, F., Barmpla, D. M., Canavera, G., Giordano, L., Palliotti, A., Battista, F., Poni, S., & Frioni, T. (2024). Effects of foliar applications of a proline-rich specific yeast derivative on physiological and productive performances of field-grown grapevines (*Vitis vinifera* L.). *Scientia Horticulturae*, 326, 112759.
<https://doi.org/10.1016/J.SCIENTA.2023.112759>

- Duan, S., AL-Huqail, A. A., Alsudays, I. M., Younas, M., Aslam, A., Shahzad, A. N., Qayyum, M. F., Rizwan, M., Alhaj Hamoud, Y., Shaghaleh, H., & Hong Yong, J. W. (2024). Effects of biochar types on seed germination, growth, chlorophyll contents, grain yield, sodium, and potassium uptake by wheat (*Triticum aestivum* L.) under salt stress. *BMC Plant Biology* 2024 24:1, 24(1), 1–14. <https://doi.org/10.1186/S12870-024-05188-0>
- El Moussaoui, H., Idardare, Z., & Bouqbis, L. (2024). The Link Between High Vigor and Physiological Parameters of Alfalfa Grown in Two Fertilization Modes: Classic Based on Chemical Fertilizers and Manure and Modern Based on Biocompost and Biochar Under and Without Deficit Water. *Journal of Soil Science and Plant Nutrition*, 1–22. <https://doi.org/10.1007/S42729-024-01677-1>
- El-Nakhel, C., Cristofano, F., Colla, G., Pii, Y., Secomandi, E., De Gregorio, M., Buffagni, V., Garcia-Perez, P., Lucini, L., & Rouphael, 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>
- Habibi, N., Terada, N., Sanada, A., & Koshio, K. (2024). Alleviating Salt Stress in Tomatoes through Seed Priming with Polyethylene Glycol and Sodium Chloride Combination. *Stresses* 2024, Vol. 4, Pages 210-224, 4(2), 210–224. <https://doi.org/10.3390/STRESSES4020012>
- He, R., Shi, H., Hu, M., Zhou, Q., Dang, H., & Zhang, Q. (2024). Differential phenotypic plasticity of subalpine trees predicts trait integration under climate warming. *New Phytologist*, 244(3), 1074–1085. <https://doi.org/10.1111/NPH.20067>
- He, R., Shi, H., Hu, M., Zhou, Q., Zhang, Q., & Dang, H. (2024). Carbon stress causes preferential storage over growth in treeline trees. *Physiologia Plantarum*, 176(1), e14175. <https://doi.org/10.1111/PPL.14175>
- Lentini, M., Ciriello, M., Pannico, A., Izzo, L., Lombardi, S., Rouphael, Y., Vaccari, F. P., & De Pascale, S. (2024). Mitigating salt stress in “Friariello Napoletano” (*Brassica rapa* subsp. *sylvestris* L. Janch. var. *esculenta* Hort.): The potential of biochar for sustainable agriculture. *Scientia Horticulturae*, 338, 113713. <https://doi.org/10.1016/J.SCIENTA.2024.113713>
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- Mehla, S., Singh, Y., Kumar, U., Balyan, P., Singh, K. P., & Dhankher, O. P. (2024). Overexpression of rice lectin receptor-like kinase, OsLec-RLK, confers salinity stress tolerance and increases seed yield in pigeon pea (*Cajanus cajan* (L.) Millsp.). *Plant Cell Reports* 2024 43:10, 43(10), 1–17. <https://doi.org/10.1007/S00299-024-03314-8>
- 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/>
- Monterisi, S., Garcia-Perez, P., Buffagni, V., Zuluaga, M. Y. A., Ciriello, M., Formisano, L., El-Nakhel, C., Cardarelli, M., Colla, G., Roupael, Y., Cristofano, F., Cesco, S., Lucini, L., & Pii, Y. (2024). Unravelling the biostimulant activity of a protein hydrolysate in lettuce plants under optimal and low N availability: a multi-omics approach. *Physiologia Plantarum*, 176(3), e14357. <https://doi.org/10.1111/PPL.14357>
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- Nerva, L., Balestrini, R., & Chitarra, W. (2023). From Plant Nursery to Field: Persistence of Mycorrhizal Symbiosis Balancing Effects on Growth-Defence Tradeoffs Mediated by Rootstock. *Agronomy*, 13(1), 229. <https://doi.org/10.3390/AGRONOMY13010229>
- Sanchez-Olvera, M., Martin-Vasquez, C., Mayordomo, C., Illescas-Miranda, J., Bono, M., Coego, A., Alonso, J., Hernández-González, M., Jiménez-Arias, D., Forment, J., Albert, A., Granell, A., Borges, A. A., & Rodriguez, P. L. (2024). ABA-receptor agonist iSB09 decreases soil water consumption and increases tomato CO₂ assimilation and water use efficiency under drought stress. *Environmental and Experimental Botany*, 225, 105847. <https://doi.org/10.1016/J.ENVEXPBOT.2024.105847>
- Xia, H., Zhang, T., Li, X., He, T., Wang, X., Zhang, J., & Zhang, K. (2023). Effects of drought and nutrient deficiencies on the allocation of recently fixed carbon in a plant–soil–microbe system. *Tree Physiology*. <https://doi.org/10.1093/TREEPHYS/TPAD098>



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Zarrin-Torang, A. A., Khajoei-Nejad, G., & Ghanbari, J. (2023). Investigation of Photosynthesis, Growth, and Water Use Efficiency of Licorice (*Glycyrrhiza glabra* L.) Plant Affected by Gibberellic Acid Priming and Mycorrhiza Inoculation under Water-Limited Conditions. *Irrigation and Water Engineering*, 13(4), 347–367.
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