

Multi-pigment Meter MPM-100 publications list to October 2024

- Akula, N. N., Abdelhakim, L., Knazovický, M., Ottosen, C.-O., & Rosenqvist, E. (2024). Plant responses to co-occurring heat and water deficit stress: A comparative study of tolerance mechanisms in old and modern wheat genotypes. *Plant Physiology and Biochemistry*, 108595. <https://doi.org/10.1016/J.PLAPHY.2024.108595>
- Ali, A., Cavallaro, V., Santoro, P., Mori, J., Ferrante, A., & Cocetta, G. (2024). Quality and physiological evaluation of tomato subjected to different supplemental lighting systems. *Scientia Horticulturae*, 323, 112469. <https://doi.org/10.1016/j.scienta.2023.112469>
- Ali, A., Franzoni, G., Petrini, A., Santoro, P., Mori, J., Ferrante, A., & Cocetta, G. (2023). Investigating physiological responses of Wild Rocket subjected to artificial Ultraviolet B irradiation. *Scientia Horticulturae*, 322. <https://doi.org/10.1016/j.scienta.2023.112415>
- Ali, A., Santoro, P., Ferrante, A., & Cocetta, G. (2023). Investigating pulsed LED effectiveness as an alternative to continuous LED through morpho-physiological evaluation of baby leaf lettuce (*Lactuca sativa* L. var. *Acephala*). *South African Journal of Botany*, 160, 560–570. <https://doi.org/10.1016/j.sajb.2023.07.052>
- Ali, A., Santoro, P., Mori, J., Ferrante, A., & Cocetta, G. (2023). Effect of UV-B elicitation on spearmint's (*Mentha spicata* L.) morpho-physiological traits and secondary metabolites production. *Plant Growth Regulation*. <https://doi.org/10.1007/s10725-023-01028-7>
- Carullo, D., Vergani, L., Franzoni, G., Mapelli, F., Ferrante, A., Borin, S., & Farris, S. (2024). Pectin-based Films for Applications in the Horticultural Sector: a Preliminary Characterization. *Chemical Engineering Transactions*, 110, 283–288. <https://doi.org/10.3303/CET24110048>
- Cavallaro, V., Bulgari, R., Florio, F. E., Restuccia, P., Vinci, G., Guffanti, D., Vignati, S., & Ferrante, A. (2023a). Postharvest strategies for preventing flower wilting and leaf yellowing in cut *Ranunculus* flowers. *Frontiers in Horticulture*, 2, 1183754. <https://doi.org/10.3389/FHORT.2023.1183754>
- Cavallaro, V., Bulgari, R., Florio, F. E., Restuccia, P., Vinci, G., Guffanti, D., Vignati, S., & Ferrante, A. (2023b). Postharvest strategies for preventing flower wilting and leaf yellowing in cut *Ranunculus* flowers. *Frontiers in Horticulture*, 2. <https://doi.org/10.3389/fhort.2023.1183754>
- Cerovic, Z. G., Moise, N., Agati, G., Latouche, G., Ben Ghazlen, N., & Meyer, S. (2008). New portable optical sensors for the assessment of winegrape phenolic maturity based on berry fluorescence. *Journal of Food Composition and Analysis*, 21(8), 650–654. <https://doi.org/10.1016/J.JFCA.2008.03.012>
- Dainelli, M., Pignattelli, S., Bazihizina, N., Falsini, S., Papini, A., Baccelli, I., Mancuso, S., Coppi, A., Castellani, M. B., Colzi, I., & Gonnelli, C. (2023). Can microplastics threaten plant productivity and fruit quality? Insights from Micro-Tom and Micro-PET/PVC. *Science of The Total Environment*, 895, 165119. <https://doi.org/10.1016/J.SCITOTENV.2023.165119>

- Franzoni, G., Bulgari, R., Florio, F. E., Gozio, E., Villa, D., Cocetta, G., & Ferrante, A. (2023). Effect of biostimulant raw materials on soybean (*Glycine max*) crop, when applied alone or in combination with herbicides. *Frontiers in Agronomy*, 5, 1238273. <https://doi.org/10.3389/FAGRO.2023.1238273/BIBTEX>
- Franzoni, G., Vignati, S., Guffanti, D., Florio, F. E., Gibin, M., Petrini, A., Colombani, C., Cocetta, G., & Ferrante, A. (2023). Qualitative responses of rocket cultivars to biostimulants application. *Acta Horticulturae*, 1377, 853–859. <https://doi.org/10.17660/ACTAHORTIC.2023.1377.106>
- Grifoni, M., Pellegrino, E., Arrighetti, L., Bronco, S., Pezzarossa, B., & Ercoli, L. (2024). Interactive impacts of microplastics and arsenic on agricultural soil and plant traits. *Science of The Total Environment*, 912, 169058. <https://doi.org/10.1016/J.SCITOTENV.2023.169058>
- Khan, M. S., Yadav, P., Semwal, M., Prasad, N., Verma, R. K., & Kumar, D. (2024). Predicting canopy chlorophyll concentration in citronella crop using machine learning algorithms and spectral vegetation indices derived from UAV multispectral imagery. *Industrial Crops and Products*, 219, 119147. <https://doi.org/10.1016/J.INDCROP.2024.119147>
- Poudyal, D., Joshi, B. K., Zhou, R., Ottosen, C. O., & Dahal, K. C. (2023). Evaluating the physiological responses and identifying stress tolerance of Akabare chili landraces to individual and combined drought and heat stresses. *AoB PLANTS*, 15(6), 1–15. <https://doi.org/10.1093/AOBPLA/PLAD083>
- Savou, J. (2022). *Agronomy to promote resilience for indigenous students and farmers in Fiji* [MSc, Massey University]. <http://hdl.handle.net/10179/17587>
- Semwal, M., Khan, M. S., Verma, R. K., Prasad, N., & Kumar, D. (n.d.). *Prediction of Citronella Chlorophyll Content for Crop Health Non-Invasively Using Unmanned Aerial Vehicle Sensors and Machine Learning*. <https://doi.org/10.2139/SSRN.4661709>
- Stansell, Z., Gordon, T., Barraco, A., Meyers, D., Rampulla, A., Ford, T., & Osatuke, A. (2023). *USDA Hemp Descriptor and Phenotyping Handbook, Version 3*.
- Xu, X., Sun, Y., & Liu, F. (2022). Modulating leaf thickness and calcium content impact on strawberry plant thermotolerance and water consumption. *Plant Growth Regulation*, 98(3), 539–556. <https://doi.org/10.1007/S10725-022-00884-Z>
- Zuluaga, M. Y. A., Cardarelli, M., Rouphael, Y., Cesco, S., Pii, Y., & Colla, G. (2023). Iron nutrition in agriculture: From synthetic chelates to biochelates. *Scientia Horticulturae*, 312. <https://doi.org/10.1016/j.scienta.2023.111833>