**List of publications from the past fiscal year (10/1/2023 through 9/30/2024)**

Abd El-Khalek, A.F., Mazrou, Y.S.A., Hatterman-Valenti, H.M., Awadeen, A.A., El-Mogy, S.M.M., El-Kenawy, M.A., et al. (2024). Improvement in physiochemical characteristics of ‘Prime Seedless’ grapes by basal defoliation with foliar-sprayed low-biuret urea and cyanocobalamin under Mediterranean climate. Agronomy, 14, 815. https://doi.org/10.3390/agronomy14040815

Cheng, Y., Wimalasiri, P.M., Tian, B., & Watrelot, A.A. (2024). Influence of grape flesh on the retention and composition of polyphenols from skins and seeds. Journal of Agricultural and Food Chemistry, 72(16), 9351-9364. https://doi.org/10.1021/acs.jafc.4c05123

Daler, S., Kaya, O., Korkmaz, N., Kılıç, T., Karadağ, A., & Hatterman-Valenti, H. (2024). Titanium nanoparticles (TiO₂-NPs) as catalysts for enhancing drought tolerance in grapevine saplings. Horticulturae, 10(10), 1103. https://doi.org/10.3390/horticulturae10101103

Daler, S., Korkmaz, N., Kılıç, T., Hatterman-Valenti, H., Karadağ, A., & Kaya, O. (2024). Modulatory effects of selenium nanoparticles against drought stress in some grapevine rootstock/scion combinations. Chemical and Biological Technologies in Agriculture, 11(1). <https://doi.org/10.1186/s40538-024-00609-6>

Gapinski, A.D., Delchier, N., & Watrelot, A.A. (2024). Tannin and iron-reactive phenolics contents in red, cold-hardy hybrid grape tissues throughout development and ripening. Foods, 13(7), 986. https://doi.org/10.3390/foods13070986

Gapinski, A.D., Slack, S.M., & Watrelot, A.A. (2024). Foliar applications of phenylalanine and prohexadione calcium for managing tannin content in cold-hardy hybrid grape cultivars. OenoOne, 58(3). https://doi.org/10.20870/oeno-one.2024

Hatterman-Valenti, H., Kaya, O., Yilmaz, T., Ates, F., & Turan, M. (2024). Phenolic, amino acid, mineral, and vitamin contents during berry development in ‘Italia’ and ‘Bronx Seedless’ grape cultivars. Horticulturae, 10, 429. https://doi.org/10.3390/horticulturae10050429

Kaya, O., Delavar, H., Ates, F., Sahin, M., Keskin, N., Yilmaz, T., Turan, M., & Hatterman-Valenti, H. (2024). Pollinator diversity and phenological interplay: Exploring mineral, hormonal, sugar, and vitamin contents in Vitis vinifera L. cv Bozcaada Çavuşu. Plants, 13(12), 1612. <https://doi.org/10.3390/plants13121612>

Kaya, O., Delavar, H., Shikanai, A., Auwarter, C., & Hatterman-Valenti, H. (2024). Assessing the influence of autumnal temperature fluctuations on cold hardiness in different grapevine cultivars: Variations across vine age and bud positions. Frontiers in Plant Science, 15, 1379328. <https://doi.org/10.3389/fpls.2024.1379328>

Kaya, O., Yilmaz, T., Ates, F., Kustutan, F., Hatterman-Valenti, H., Hajizadeh, H.S., & Turan, M. (2024). Improving organic grape production: The effects of soil management and organic fertilizers on biogenic amine levels in Vitis vinifera cv., 'Royal' grapes. Chemical and Biological Technologies in Agriculture, 11(1), 38. https://doi.org/10.1186/s40538-024-00564-2

Köse, B., Svyantek, A., Kadium, V.R., Brooke, M., Auwarter, C., & Hatterman-Valenti, H. (2024). Death and dying: Grapevine survival, cold-hardiness, and BLUPs and winter BLUEs in North Dakota vineyards. Life, 14(2), 183.

Kunter, B., Unal, O.B., Keskin, S., Hatterman-Valenti, H., & Kaya, O. (2024). Comparison of the sugar and organic acid components of seventeen table grape varieties produced in Ankara (Turkey): A study over two consecutive seasons. Frontiers in Plant Science, 15, 1321210. https://doi.org/10.3389/fpls.2024.1321210

Yilmaz, T., Ates, F., Turan, M., Hatterman-Valenti, H., & Kaya, O. (2024). Dynamics of sugars, organic acids, hormones, and antioxidants in grape varieties ‘Italia’ and ‘Bronx Seedless’ during berry development and ripening. Horticulturae, 10, 229.

Wang, Z., Svyantek, A., Bogenrief, S., Kadium, V.R., & Hatterman-Valenti, H. (2024). The influence of yeast strain on the chemical, chromatic, and sensory characteristics of "Wodarz" apple cider. Applied Sciences, 14(11). <https://doi.org/10.3390/app14114851>

Wang, Z., Svyantek, A., Miller, Z., Jarrett, B., Green, S., & Kapus, A. (2024). Postharvest treatment effects on ‘Somerset Seedless’ cold-hardy table grapes. International Journal of Fruit Science, 24(1), 142-155. <https://doi.org/10.1080/15538362.2024.2347916>

Wimmer, M.K., Horton, D., & Teh, S.L. (2024). The University of Minnesota grape breeding program: Decades of cultivation and adaptation to extreme climates. Wine Business Monthly, October 2024, 44-49