

## UF/IFAS Research 2025 Annual List of Peer-reviewed Journal Articles

- Abdanan Mehdizadeh, S., Nouri, S. F., & Ampatzidis, Y. (2025). From vibration to firmness assessment: Transfer-function modelling of intact kiwifruit utilizing machine learning. *Smart Agricultural Technology*, 12, #101606.
- Abdelzaher, R. A. E., Nassar, S. A., Ashmawy, E. M., & Vendrame, W. A. (2025). Accelerated dragon fruit production through integrated tissue culture and micro-grafting techniques. *Horticulture Research Journal*, 3(6), 130–150.
- Abraczinskas, M., Kennedy, H., Vines, E., Winer, E., Johnson, E., Jaramillo Sullivan, P., & Rubén Chávez, N. (2025). “We are the flowers that go underwater and still blossom.” Defining and facilitating wellbeing during youth participatory action research. *Journal of Prevention & Intervention in the Community*, 53(4), 610–629.
- Acevedo-Charry, O., Ponciano, J. M., Poli, C. L., Jeffery, B. M., Fletcher, R. J., Echeverry-Galvis, M. Á., Loiselle, B. A., Robinson, S. K., & Acevedo, M. A. (2025). Monitoring population extinction risk with community science data. *Journal of Applied Ecology*, 62(9), 2133–2147.
- Acharya, B., & Sharma, V. (2025). Comparative analysis of soil and water dynamics in conventional and sod-based crop rotation in Florida. *Frontiers in Agronomy*, 7, #1552425.
- Acharya, B., Sharma, V., Barrett, C., Dukes, M. D., & Zotarelli, L. (2025). Comparing passive wick lysimeter against soil water balance and simulation models in high and perched water tables and coarse sandy soils. *Journal of Natural Resources and Agricultural Ecosystems*, 3(1), 37–52.
- Acharya, B., Sharma, V., Barrett, C., Dukes, M. D., Zotarelli, L., Bayabil, H., Sharma, L., Hochmuth, R. C., Sidhu, S. S., Crain, A., & Love, J. (2025). Comparative analysis of conventional and sod-based rotational production systems: Impacts on yield and nitrogen dynamics. *Journal of Natural Resources and Agricultural Ecosystems*, 3(3), 165–186.
- Acosta, T., Hebert, K., Hodges, J., Altidor, D., Tzoucalis, S., Moreno, M. L., Koons, K. E., Hinton, G., Johnson, L., Mathews, A. E., & Dahl, W. J. (2025). Reliability of the MIND diet screener in older adults: A brief tool to assess adherence to a brain-healthy dietary pattern. *Journal of the National Extension Association of Family & Consumer Sciences*, 20, 64–72.
- Adams, C. R., Hovick, S. M., & Kettenring, K. M. (2025). Integrating the disconnected: Enhancing wetland restoration by uniting invasive species management and native revegetation. *Restoration Ecology*, 33(5), #e70097.

- Adedoja, O. A., & Mallinger, R. E. (2025). Landscape context mediates the effect of pollinator garden enhancements on pollinator visitation and plant-pollinator interactions. *Landscape Ecology*, *40*(6), #116.
- Adegbola, U., Rajan, A., Savchenko, O. M., & Court, C. D. (2025). Adapting to the tide: Behavioral responses to red tide along Florida's Gulf Coast. *Choices*, *40*(Q2), 1–10.
- Adeleye, V., Seal, D., & Liburd, O. (2025). Management of pepper weevil (*Anthonomus eugenii* Cano) (Coleoptera: Curculionidae) using biorational and conventional insecticides in South Florida. *Insects*, *16*(11), #1101.
- Adesogan, A. T., Gebremikael, M. B., Varijakshapanicker, P., Vyas, D., & Bryden, W. (2025). Climate-smart approaches for enhancing livestock productivity, human nutrition, and livelihoods in low- and middle-income countries. *Animal Production Science*, *65*(6), #AN24215.
- Adeyemi, A. E., Ahn, J., Xu, Z., Muko, H., & Matt, B. (2025). Promoting SDGs through education: A theory of planned behavior analysis of Japanese and Nigerian students' sustainability actions. *Sustainable Development*, *33*(5), 6901–6916.
- Adhikari, A., Fulton, J. C., Lane, B., Brawner, J. T., Rollins, J., Harmon, P. F., & Goss, E. M. (2025). Genome resource announcement for emerging pathogen *Bipolaris gigantea*, isolated from *Microstegium vimineum*. *PhytoFrontiers*, *5*(1), 100–104.
- Adhikari, A., Lane, B., Harmon, P. F., & Goss, E. M. (2025). *Bipolaris* species associated with foliar diseases on invasive and weedy grasses in Florida. *Mycologia*, *117*(6), 1067–1076.
- Adhikari, J., Petti, D., Vitrakoti, D., Ployaram, W., Li, C., & Paterson, A. H. (2025). Characterizing season-long floral trajectories in cotton with low-altitude remote sensing and deep learning. *Plants, People, Planet*, *7*(6), 1657–1673.
- Adhikary, L., Smith, H. A., & Lahiri, S. (2025). Daily prey consumption and functional response of *Orius insidiosus*: Implications for biological control of *Scirtothrips dorsalis* in strawberries. *Insects*, *16*(2), #205.
- Adhikary, L., Smith, H. A., & Lahiri, S. (2025). Effects of prey and pollen diets on the reproduction and longevity of *Orius insidiosus* (Say) (Hemiptera: Anthocoridae), a key thrips predator. *Insects*, *16*(11), #1160.
- Adhikary, L., Smith, H. A., Whitaker, V. M., & Lahiri, S. (2025). Chilli thrips oviposition behavior: A comparative study among strawberry cultivars. *Environmental Entomology*, *54*(5), 1088–1095.

- Adhikary, L., Smith, H. A., Whitaker, V. M., & Lahiri, S. (2025). Cultivating resilience: Assessing commercial strawberry cultivars for chilli thrips management in Florida strawberries. *Journal of Economic Entomology*, *118*(2), 816–825.
- Ads, A., Tziolas, N., Chrysikopoulos, C. V., Zhang, T., & Al Shehhi, M. R. (2025). Quantitative analysis of water, heat, and salinity dynamics during bare soil evaporation. *Journal of Hydrology*, *662*, #133841.
- Afzaal, H., Rude, D., Farooque, A. A., Randhawa, G. S., Schumann, A. W., & Krouglicof, N. (2025). Improved crop row detection by employing attention-based vision transformers and convolutional neural networks with integrated depth modeling for precise spatial accuracy. *Smart Agricultural Technology*, *11*, #100934.
- Agehara, S., & Marceddu, R. (2025). Growing hops (*Humulus lupulus* L.) in subtropical climates: Effects of climatic patterns on phenology and seasonal crop performance. *Agronomy Journal*, *117*(5), #e70143.
- Aguilar-Juárez, M., Sarabia-Espinoza, T., Paniagua-Chávez, C., Ibarra-Castro, L., Osuna-Martínez, C. C., & Frías-Espéricueta, M. G. (2025). Effects of cadmium, mercury and their mixture on *Spherooides annulatus* and *Lutjanus guttatus* sperm motility. *Thalassas: An International Journal of Marine Sciences*, *41*(1), #64.
- Agunbiade, T. A., Hodges, A. C., Quinn, N. F., Pinkerton, M. G., & Whilby, L. A. (2025). Integrating integrated pest management and sustainability into a biosecurity framework. *Florida Entomologist*, *108*(s1), #20240020.
- Ahmad, S., Abbas, G., Fatima, Z., Hussain, S., Khan, M. A., Ahmed, M., Wilkerson, C. J., & Hoogenboom, G. (2025). Modeling the impact of climate warming on tomato phenology. *Agricultural and Forest Meteorology*, *374*, #110825.
- Ahmad, S., Abbas, G., Tariq, M., Fatima, Z., Wahab, A. A., Ahmed, M., Wilkerson, C. J., & Hoogenboom, G. (2025). Nitrogen nutrition for cotton in a semi-arid environment. *The Journal of Agricultural Science*, *163*(1), 27–41.
- Ahmad, W., Nepal, J., Xin, X., Nadeem, M., & He, Z. (2025). Nano zinc oxide enhances corn growth and nutrient uptake: Comparison between soil drench and seed coating applications in alkaline sandy soils. *Journal of Soil Science and Plant Nutrition*, *25*(2), 3198–3210.
- Ahmed, M. Z., Roberts, J. W., Soto-Adames, F. N., McKenzie, C. L., & Osborne, L. S. (2025). Global invasion of *Thrips parvispinus* (Karny) (Thysanoptera: Thripidae) across three

- continents associated with its one haplotype. *Journal of Applied Entomology*, 149(2), 237–247.
- Ajani, O. A., Mathew, S., Singh, H., Upadhyaya, Y. R., Daramola, O. S., Nwosu, N. J., Brecke, B. J., Brym, Z. T., Sharma, L., & Devkota, P. (2025). Response of industrial hemp (*Cannabis sativa* L.) to preemergence herbicides and weed control under different nitrogen fertilization. *Journal of Crop Improvement*, 39(5), 425–447.
- Akhter, M. A., Hostetler, M. E., Qadir, I., & Imtiaz, M. T. (2025). Fragmented landscapes as refuge for forest birds in Pakistan and India: A systematic review. *Pakistan Journal of Zoology*, 57(6), 2959–2968.
- Akinmade, H., Ferreira, R. C. U., Murad Leite Andrade, M. H., Fernandes, C., Sipowicz, P., Muñoz-Amatriaín, M., & Rios, E. (2025). Genome-wide association studies dissect the genetic architecture of seed and yield component traits in cowpea (*Vigna unguiculata* L. Walp). *G3: Genes, Genomes, Genetics*, 15(4), #jkaf024.
- Akland, M. K., Limburg, K. E., Healy, B. D., & Pine, W. E. (2025). Mixed natal origins present management challenges for a non-native fish established throughout a modified river network. *Canadian Journal of Fisheries and Aquatic Sciences*, 82, 1–13.
- Aknadibossian, V., Stokes, C., Papke, R. L., Teh, H. W., Wang, Y., & Folimonova, S. Y. (2025). The citrus tristeza virus p33 protein functions as a viroporin. *PLOS Pathogens*, 21(11), #e1013730.
- Albrecht, U., Tardivo, C., Moreno, G., & de Freitas, J. (2025). Systemic delivery of oxytetracycline by drill-based and drill-free trunk injection for treatment of Huanglongbing in young sweet orange trees. *Horticulturae*, 11(8), #976.
- Albrecht, U., Tardivo, C., Moreno, G., de Freitas, J., Singerman, A., Plotto, A., & Bai, J. (2025). Managing endemic Huanglongbing in commercial citrus production through vascular delivery of oxytetracycline. *Crop Protection*, 195, #107250.
- Albright, B., Green, L., McAllister, D., Lee, S.-J., Cantrell, R., Steinman, B. A., Peek, G., & Carswell, A. (2025). Longitudinal effects of housing adequacy on home modification implementation among households with older adults living in them. *Housing and Society*, 52(3), 293–309.
- Alcón-Bou, N., Guzmán, S. M., & Rossi, L. (2025). Citrus salinity tolerance: A systematic review of cultivar selection trials, grafted versus nongrafted trees, and scion contributions. *HortScience*, 60(6), 994–1002.

- Al-Dosary, N. M. N., Burks, T. F., & Al-Hamed, S. A. (2025). Estimating the tree canopy acceleration required for optimal mechanical harvesting performance. *Agriculture*, *15*(18), #1930.
- Alford, K., Stedman, N., Bunch, J. C., Baker, S., & Roberts, G. (2025). Exploring the factors that contribute to the development of systems awareness. *The Journal of Agricultural Education and Extension*, *31*(2), 197–214.
- Alford, K. R., Stedman, N. L. P., Bunch, J. J. C., Baker, S., & Roberts, T. G. (2025). Real-world experiences in higher education: Contributing to the developing a systems thinking paradigm. *Journal of Experiential Education*, *48*(1), 169–188.
- Ali, A., Campbell, D. N., Pilco, F., Ballou, J., Bean, E. Z., Chase, C. A., Athearn, K., Sanchez-Jones, T., & Maltais-Landry, G. (2025). Mineral amendments benefit soil moisture but not nutrient cycling or crop productivity in a Florida organic vegetable system established on a sandy soil. *Organic Agriculture*, *15*(3), 473–491.
- Ali, A., Denagamage, T., Hernandez, J. A., Bittar, J. H. J., Lee, A. C. Y., Jeong, K. C., & Kariyawasam, S. (2025). Prevalence of and risk factors for antimicrobial-resistant fecal bacteria in beef cow-calf operations: A systematic review. *Research in Veterinary Science*, *193*, #105761.
- Alomar, A. A., & Alto, B. W. (2025). Evaluating the transstadial effects of *Bacillus velezensis* and pyriproxyfen, alone and in combination, on fitness-related traits of *Culex quinquefasciatus*. *Parasites & Vectors*, *18*(1), #381.
- Alonso-Palomares, L. A., Williams, J. F., Burgess, E. R., Lednicky, J. A., & Dinglasan, R. R. (2025). Physiological impacts on the mosquito vector hosts refine vectorial capacity estimates of mayaro virus transmission risk. *Viruses*, *17*(9), #1155.
- Alonzo, G., Baggio, J. S., & Peres, N. A. (2025). Effect of fumigants on inoculum of *Neopetalotiopsis* spp. in strawberry crowns and soil. *Plant Disease*, *109*(4), 902–908.
- Aloryi, K. D., Sandoya, G. V., & Begcy, K. (2025). Genome landscape of the *universal stress protein* gene family in lettuce and expression profile in response to heat stress. *BMC Plant Biology*, *25*(1), #1636.
- Al-Shami, S. A., van Santen, E., & Qureshi, J. A. (2025). Florida red scale *Chrysomphalus aonidum* (Hemiptera: Diaspididae) and parasitoid *Aphytis melinus* (Hymenoptera: Aphelinidae) colonization of Citrus Under Protective Screen. *Journal of Economic Entomology*, *118*(5), 2218–2230.

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- Altpeter, F. (2025). Gene editing to enhance biotic stress tolerance in sugarcane. *Frontiers in Plant Science*, *16*, #1750169.
- Alvarez-Manjarrez, J., Henkel, T. W., Duncan, A., Aime, M. C., Peay, K. G., & Smith, M. E. (2025). New species of *Thelephora* (Thelephorales, Basidiomycota) associated with *Dicymbe* and *Aldina* in Guyana. *Mycologia*, *117*(3), 480–498.
- Alvaro, L. E., Patrick, C. J., & Hensel, M. J. S. (2025). Changing foundation species in Chesapeake Bay (USA): Implications for faunal communities of two dominant seagrass species. *Marine Ecology Progress Series*, *768*, 17–33.
- Alward, K. J., Duncan, A. J., Ealy, A. D., Dahl, G. E., Petersson-Wolfe, C. S., & Cockrum, R. R. (2025). Changes in photoperiod during the dry period impact colostrum production in Holstein and Jersey cows. *Journal of Dairy Science*, *108*(2), 1672–1685.
- Alzate, C., Calixto, E. S., & Paula-Moraes, S. V. (2025). Flight phenology of *Spodoptera eridania* (Stoll, 1781) (Lepidoptera: Noctuidae) in its native range: A baseline for managing an emerging invasive pest. *Insects*, *16*(8), #779.
- Amaro, F. X., Arriola, K. G., Mu, L., Farooq, S., NinoDeGuzman, C., Romeiro, C., Lima, L. O., Sultana, H., Oyebade, A. O., Wallau, M., & Vyas, D. (2025). Effects of wilting duration and microbial inoculation on fermentation profile, chemical composition, aerobic stability and in situ nutrient degradability of ryegrass silage. *Animal Feed Science and Technology*, *325*, #116351.
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- An, J.-P., Liu, X., Kim, D., Madden, R., & Wang, Y. (2025). Comprehensive analysis of polymethoxyflavone metabolism in orange peel using an animal model. *RSC Advances*, *15*(45), 38189–38200.
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- Anderson, J. L., Asche, F., Eggert, H., & Garlock, T. M. (2025). Introducing the aquaculture performance indicators: A tool to assess the triple bottomline in aquaculture systems. *Aquaculture Economics & Management*, *29*(2), 136–158.
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- Arevalo Alvarenga, A. F., Barbosa, M., Sierra Augustinus, I. A., Stingl, U., & Schiavon, M. (2025). Management practices alter endophytic diazotrophic communities in CitraBlue St. Augustinegrass. *Crop Science*, 65(1), #e21372.
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- Aryaprema, V. S., Blore, K., Sypes, O., Xue, R.-D., Chen, C., Hahn, D. A., & Qualls, W. A. (2025). Selecting a larval diet for scalable mass-rearing of *Aedes aegypti* in sterile insect technique applications. *Journal of the American Mosquito Control Association*, 41(4), 190–198.

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