

## UF/IFAS 2023 Annual List of Peer-reviewed Journal Articles

- Abbasi, A. O., Tang, X., Harris, N. L., Goldman, E. D., Gamarra, J. G. P., Herold, M., Kim, H. S., Luo, W., Silva, C. A., Tchebakova, N. M., Mitra, A., Finegold, Y., Jahanshahi, M. R., Alvarez, C. I., Kim, T. K., Ryu, D., & Liang, J. (2023). Spatial database of planted forests in East Asia. *Scientific Data*, *10*(1), #480.
- Abdel-Aziz, H. F., Hamdy, A. E., Sharaf, A., Abd El-wahed, A. E. W. N., Elnaggar, I. A., Seleiman, M. F., Omar, M., Al-Saif, A. M., Shahid, M. A., & Sharaf, M. (2023). Effects of fogging system and nitric oxide on growth and yield of 'Naomi' mango trees exposed to frost stress. *Life*, *13*(6), #1359.
- Abd-Elrahman, A., Atwill, C., Gonzalez, A., Hernandez, K., Barry, D., & Abd-Elrahman, Z. (2023). Virtual reality (VR) assisted geomatics lab development. *The International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences*, *XLVIII-1/W2-2023*, 933-938.
- Abdool-Ghany, A. A., Blare, T., & Solo-Gabriele, H. M. (2023). Assessment of *Sargassum* spp. management strategies in southeast Florida. *Resources, Conservation & Recycling Advances*, *19*, #200175.
- Abdool-Ghany, A. A., Pollier, C. G. L., Oehlert, A. M., Swart, P. K., Blare, T., Moore, K., & Solo-Gabriele, H. M. (2023). Assessing quality and beneficial uses of *Sargassum* compost. *Waste Management*, *171*, 545-556.
- Abdulridha, J., Bashyal, M., Ampatzidis, Y., & Kanissery, R. (2023). Steam application with paraquat to control goat weed (*Scoparia dulcis*) in citrus orchards. *Smart Agricultural Technology*, *6*, #100355.
- AbouEl Ela, N. H., El Araby, I. E., Saleh, A. A., Abd El-fattah, A. H., Hagag, N. M., Brooks, S. A., Radwan, M. A., & Kalbfleisch, T. (2023). Evidence for origin of lavender foal syndrome among Egyptian Arabian horses in Egypt. *Equine Veterinary Journal*, *55*(3), 487-493.
- Abou-Shaara, H., Jack, C., & Ellis, J. D. (2023). The impact of smoke and fogged/vaporized thyme oil on honey bee (*Apis mellifera*) survival and behavior *in vitro*. *Journal of Apicultural Research*, *62*(3), 643-645.
- Abroulaye, S., Nouhoun, Z., Jethro, D. B., Abalo, K. E., Abdoulaye, O., Esteban F, R., José, D., Ken, B. J., & Adegbola, A. (2023). Sorghum [*Sorghum bicolor* (L.) Moench] and cowpea [*Vigna unguiculata* (L.) Walpers] intercropping improves grain yield, fodder biomass, and nutritive value. *Frontiers in Animal Science*, *4*, #1233570.
- Acevedo, M. A., Fankhauser, C., & Papa, R. (2023). Recolonization of secondary forests by locally extinct fauna through the lens of range expansion: Four open questions. *Biotropica*, *55*(1), 1-6.

- Acevedo, S., & M. Andrade, J. (2023). Effects of a spice-blended honey muffin on salivary inflammation markers in adults with obesity: A feasibility trial. *Annals of Medicine*, 55(2), #2245325.
- Acharya, S. R., Shrestha, S., Michael, V. N., Fu, Y., Sabharwal, P., Thakur, S., & Meru, G. (2023). Transcriptional changes during *Phytophthora capsici* infection reveal potential defense mechanisms in squash. *Stresses*, 3(4), 827-841.
- Adak, A., Kang, M., Anderson, S. L., Murray, S. C., Jarquin, D., Wong, R. K. W., & Katzfuß, M. (2023). Phenomic data-driven biological prediction of maize through field-based high-throughput phenotyping integration with genomic data. *Journal of Experimental Botany*, 74(17), 5307-5326.
- Adams, A. E., Saville, A., & Shriver, T. E. (2023). Race, toxic exposures, and environmental health: The contestation of lupus among farmworkers. *Journal of Health and Social Behavior*, 64(1), 136-151.
- Adeleye, V. O., Seal, D. R., Liburd, O. O. E., Martini, X., & Meru, G. (2023). Integrated approach using insecticides in combination with reflective plastic mulch for the management of pepper weevil, *Anthonomus eugeni* (Coleoptera: Curculionidae). *Environmental Entomology*, 52(3), 391-398.
- Adhikari, A., Beckham, K. A., Harmon, C. L., Dufault, N. S., Goss, E. M., & Harmon, P. F. (2023). First report of *Bipolaris sorokiniana* leaf spot disease on watermelon (*Citrullus lanatus*) in Florida. *Plant Disease*, 107(7), 2240.
- Adhikari, R., Seal, D. R., Schaffer, B., Liburd, O. E., & Khan, R. A. (2023). Within-plant and within-field distribution patterns of Asian bean thrips and melon thrips in snap bean. *Insects*, 14(2), #175.
- Adunola, P., Ferrão, M. A. G., Ferrão, R. G., da Fonseca, A. F. A., Volpi, P. S., Comério, M., Verdin Filho, A. C., Munoz, P. R., & Ferrão, L. F. V. (2023). Genomic selection for genotype performance and environmental stability in *Coffea canephora*. *G3: Genes, Genomes, Genetics*, 13(6), #jkad062.
- Aenlle, J., Loizzo, J., Bunch, J. C., Lundy, L. K., & Folta, K. M. (2023). What's trust got to do with it? Exploring agricultural science podcast producers', guests', and listeners' perceptions and levels of trust in science. *Journal of Applied Communications*, 107(4), #4.
- Aenlle, J., Loizzo, J., Lundy, L. K., Bunch, J. C., & Folta, K. M. (2022). Podcasts in production: An examination of current and best practices for agricultural and natural resource podcast producers. *Journal of Applied Communications*, 106(4), #5.
- Afewerki, S., Asche, F., Misund, B., Thorvaldsen, T., & Tveteras, R. (2023). Innovation in the Norwegian aquaculture industry. *Reviews in Aquaculture*, 15(2), 759-771.

- Agade, P., & Bean, E. (2023). GatorByte – An Internet of Things-based low-cost, compact, and real-time water resource monitoring buoy. *HardwareX*, 14, #e00427.
- Ahamed, M. S., Sultan, M., Monfet, D., Rahman, M. S., Zhang, Y., Zahid, A., Bilal, M., Ahsan, T. M. A., & Achour, Y. (2023). A critical review on efficient thermal environment controls in indoor vertical farming. *Journal of Cleaner Production*, 425, #138923.
- Ahmad, S., Ahmad, I., Ahmad, B., Ahmad, A., Wajid, A., Khaliq, T., Abbas, G., Wilkerson, C. J., & Hoogenboom, G. (2023). Regional integrated assessment of climate change impact on cotton production in a semi-arid environment. *Climate Research*, 89, 113-132.
- Ahmad, S., Raza, M. A., Hussain, S., Abbas, G., Fatima, Z., Ahmed, M., Goheer, M. A., Wilkerson, C. J., Garcia, A. G. y., & Hoogenboom, G. (2023). Identification of weak links in production technology for bridging the canola yield-gap in Punjab, Pakistan. *Journal of Agricultural Science*, 161(2), 241-253.
- Ahmad, U., & Sharma, L. (2023). A review of Best Management Practices for potato crop using Precision Agricultural Technologies. *Smart Agricultural Technology*, 4, #100220.
- Ahmed, A. Z., Sharma, L., Bali, S., Buzza, A., & Alyokhin, A. (2023). Active optical sensors to develop nitrogen fertilizer recommendations for potato crop. *Iraqi Journal of Agricultural Sciences*, 54(2), 491- 504.
- Ahmed, M. Z., Dorado, C., von Ellenrieder, N., Quinn, N. F., Roda, A., Schoeller, E. N., McKenzie, C. L., Osborne, L. S., & Diepenbrock, L. M. (2023). Development of a species-level field diagnostic kit for *Nipaecoccus viridis* (Newstead) (Hemiptera: Pseudococcidae), an invasive and regulatory pest in the United States. *Journal of Applied Entomology*, 147(9), 693-701.
- Akinsuyi, O. S., & Roesch, L. F. W. (2023). Meta-analysis reveals compositional and functional microbial changes associated with osteoporosis. *Microbiology Spectrum*, 11(3), #e00322-23.
- Aknadibossian, V., Freitas-Astúa, J., Vidalakis, G., & Folimonova, S. (2023). Citrus phantom disorders of presumed virus and virus-like origin: What have we learned in the past twenty years? *Journal of Citrus Pathology*, 10(1), 1-15.
- Aknadibossian, V., Huguet-Tapia, J. C., Golyaev, V., Pooggin, M. M., & Folimonova, S. Y. (2023). Transcriptomic alterations in the sweet orange vasculature correlate with growth repression induced by a variant of citrus tristeza virus. *Frontiers in Microbiology*, 14, #1162613.
- Al Abri, I., Grogan, K., & Daigneault, A. (2023). Optimal forest management in the presence of endogenous fire risk and fuel control. *European Journal of Forest Research*, 142(2), 395-413.
- Albeaino, G., Kelly, C. R., Lassiter, H. A., Wilkinson, B., Gheisari, M., & Issa, R. R. A. (2023). Quantitative and qualitative assessments of geometric feature accuracy using a UAS-

- Lidar system for building surveying applications. *Journal of Architectural Engineering*, 29(1), #04022046.
- Albritton, M., Roberts, T. G., DiBenedetto, C., & Bunch, J. C. (2023). Exploring how an integrated skills acquisition activity impacts the teaching ability and perceived self-efficacy to teach agricultural technical skills of preservice teachers. *Journal of Agricultural Education*, 64(1), 156-170.
- Alcalá Briseño, R. I., Batuman, O., Brawner, J., Cuellar, W. J., Delaquis, E., Etherton, B. A., French-Monar, R. D., Kreuzer, J. F., Navarrete, I., Ogero, K., Plex Sulá, A. I., Yilmaz, S., & Garrett, K. A. (2023). Translating virome analyses to support biosecurity, on-farm management, and crop breeding. *Frontiers in Plant Science*, 14, #1056603.
- Allar, J., Mallinger, R., Liu, C., Grabau, Z., & Maltais-Landry, G. (2023). Different cover crops have a limited impact on marketable yields and biogeochemical cycling but secondary effects on pollinators and plant-parasitic nematodes in Florida organic vegetable systems. *Frontiers in Sustainable Food Systems*, 7, #1148866.
- Almaraz, M., Groffman, P. M., Silver, W. L., Hall, S. J., Lin, Y., O'Connell, C., & Porder, S. (2023). Dinitrogen emissions dominate nitrogen gas emissions from soils with low oxygen availability in a moist tropical forest. *Journal of Geophysical Research: Biogeosciences*, 128(1), #e2022JG007210.
- Alomar, A. A., Pérez-Ramos, D. W., Kim, D., Kendzioriski, N. L., Eastmond, B. H., Alto, B. W., & Caragata, E. P. (2023). Native *Wolbachia* infection and larval competition stress shape fitness and West Nile virus infection in *Culex quinquefasciatus* mosquitoes. *Frontiers in Microbiology*, 14, #1138476.
- Alrugaibah, M., Yagiz, Y., & Gu, L. (2023). Novel natural deep eutectic solvents as efficient green reagents to extract phenolic compounds from olive leaves and predictive modelling by artificial neural networking. *Food and Bioprocess Processing*, 138, 198-208.
- Alvarez, M., Colee, J., Langkamp-Henken, B., & Dahl, W. J. (2023). Assessing gastrointestinal tolerance in healthy adults: Reliability and validity of a weekly questionnaire. *Current Developments in Nutrition*, 7(8), #101976.
- Álvarez-Ortega, S., Subbotin, S. A., Wang, K. H., Stanley, J. D., Vau, S., Crow, W., & Inserra, R. N. (2023). Morphological and molecular diversity among pin nematodes of the genus *Paratylenchus* (Nematoda: Paratylenchidae) from Florida and other localities and molecular phylogeny of the genus. *Plants*, 12(15), #2770.
- Amadeu, R. R., Garcia, A. A. F., Munoz, P. R., & Ferrão, L. F. V. (2023). AGHmatrix: Genetic relationship matrices in R. *Bioinformatics*, 39(7), #btad445.
- Amaral, T. F., Xiao, Y., Jeensuk, S., Maia, T. S., Cuellar, C. J., Gingerich, C. A., Scheffler, T. L., & Hansen, P. J. (2023). Presence of KREMEN receptors for DKK1 in the preimplantation bovine embryo. *Reproduction and Fertility*, 4(4), #e230021.

- Amaro, F. X., Jiang, Y., Arriola, K., Pupo, M. R., Agostinho, B. C., Bennett, S. L., Vinyard, J. R., Tomaz, L., Lobo, R. R., Pech-Cervantes, A., Arce-Cordero, J. A., Faciola, A. P., Adesogan, A. T., & Vyas, D. (2023). The effects of incremental doses of aflatoxin B<sub>1</sub> on in vitro ruminal nutrient digestibility and fermentation profile of a lactating dairy cow diet in a dual-flow continuous culture system. *Toxins*, *15*(2), #90.
- Amom, T., Tikendra, L., Potshangbam, A. M., Bidyananda, N., Devi, R. S., Dey, A., Sahoo, M. R., Vendrame, W. A., Jamir, I., & Nongdam, P. (2023). Conservation strategies for endemic *Dendrocalamus manipureanus*: A study on genetic diversity and population structure based on molecular and phytochemical markers. *South African Journal of Botany*, *152*, 106-123.
- Amorín, R., Liu, L., Moriel, P., DiLorenzo, N., Lancaster, P. A., & Peñagaricano, F. (2023). Maternal diet induces persistent DNA methylation changes in the muscle of beef calves. *Scientific Reports*, *13*, #1587.
- Anderson, J. L., Asche, F., Garlock, T., Hegde, S., Ropicki, A., & Straume, H. M. (2023). Impacts of COVID-19 on U.S. seafood availability. *Journal of Agricultural & Food Industrial Organization*, *21*(1), 1-9.
- Andrade, J. M., & Parker, J. R. (2023). Protein consumption and dialysis. *Journal of Renal Nutrition*, *33*(6), e1-e4.
- Andrade, M. H. M. L., Ferreira, R. C. U., Filho, C. C. F., Sipowicz, P., & Rios, E. F. (2023). Single and multi-trait genome-wide association studies identify genomic regions associated with phenological traits in cowpea. *Crop Science*, *63*(6), 3443-3456.
- Ángel-Salazar, J. S., Echeverri-Rubiano, C., Rodríguez-Chalarca, J., López-Gerena, J., dos Santos, R. F., Jurat-Fuentes, J. L., Revynthi, A. M., & Vargas, G. (2023). Development of a bioassay method to test activity of cry insecticidal proteins against *Diatraea* spp. (Lepidoptera: Crambidae) sugarcane stem borers. *PLOS ONE*, *18*(10), #e0292992.
- Aniley, E., Gashaw, T., Abraham, T., Demessie, S. F., Bayabil, H. K., Worqlul, A. W., van Oel, P. R., Dile, Y. T., Chukalla, A. D., Haileslassie, A., & Wubaye, G. B. (2023). Evaluating the performances of gridded satellite/reanalysis products in representing the rainfall climatology of Ethiopia. *Geocarto International*, *38*(1), #2278329.
- Ansari, M., Devi, B. M., Sarkar, A., Chattopadhyay, A., Satnami, L., Balu, P., Choudhary, M., Shahid, M. A., & Jailani, A. A. K. (2023). Microbial exudates as biostimulants: Role in plant growth promotion and stress mitigation. *Journal of Xenobiotics*, *13*(4), 572-603.
- Araghi, A., Martinez, C. J., & Adamowski, J. F. (2023). Evaluation of TerraClimate gridded data across diverse climates in Iran. *Earth Science Informatics*, *16*(2), 1347-1358.
- Araghi, A., Martinez, C. J., & Olesen, J. E. (2023). Evaluation of MSWX gridded data for modeling of wheat performance across Iran. *European Journal of Agronomy*, *144*, #126769.

- Arce-Cordero, J. A., Liu, T., Monteiro, H. F., Jeong, K. C., & Faciola, A. P. (2023). *Megasphaera elsdenii* and *Saccharomyces cerevisiae* as direct fed microbials and their impact on ruminal microbiome during an acute acidosis challenge in continuous culture. *Translational Animal Science*, 7(1), #txad123.
- Archer, L., & Albrecht, U. (2023). Evaluation of trunk injection techniques for systemic delivery of Huanglongbing therapies in citrus. *HortScience*, 58(7), 768-778.
- Archer, L., & Albrecht, U. (2023). Wound reaction to trunk injection of oxytetracycline or water in huanglongbing-affected sweet orange (*Citrus sinensis*) trees. *Trees - Structure and Function*, 37(5), 1483-1497.
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- Ardissone, A. N., Galindo, S., Triplett, E. W., & Drew, J. C. (2023). Online and on-campus transfer students experienced different impacts from the pandemic. *Frontiers in Education*, 8, #1067380.
- Aristizabal, F., Salas, F., Petrochenkov, G., Grout, T., Avant, B., Bates, B., Spies, R., Chadwick, N., Wills, Z., & Judge, J. (2023). Extending height above nearest drainage to model multiple fluvial sources in flood inundation mapping applications for the U.S. National Water Model. *Water Resources Research*, 59(5), #e2022WR032039.
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- Asbani, N., Liburd, O. E., Sandhu, H. S., Beuzelin, J., Cherry, R. H., & Nuessly, G. S. (2023). Mode of dispersal of the sugarcane rust mite (*Abacarus sacchari*) in the sugarcane field. *International Journal of Acarology*, *49*(3-4), 255-262.
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- Augustinus, A. S., McLoughlin, P. H., Alvarenga, A. F. A., Unruh, J. B., & Schiavon, M. (2023). Evaluation of different aerification methods for ultradwarf hybrid bermudagrass putting greens. *HortTechnology*, *33*(4), 333-341.
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- Austin, C. C., Tester, J. M., Webb, J. E., & Clark, D. G. (2023). Induction and characterization of mutations related to dwarf habit in Hardy *Hibiscus* (*Muenchhusia* section). *HortScience*, *58*(8), 949-953.

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