

## UF/IFAS 2022 Annual List of Peer-reviewed Journal Articles

- Abdulridha, J., Ampatzidis, Y., Qureshi, J., & Roberts, P. (2022). Identification and classification of downy mildew severity stages in watermelon utilizing aerial and ground remote sensing and machine learning. *Frontiers in Plant Science*, *13*, #791018.
- Abraczinskas, M., Adams, B. L., Vines, E., Cobb, S., Latson, Z., & Wimbish, M. (2022). Making the implicit explicit: An illustration of YPAR implementation and lessons learned in partnership with young adults who have experienced family member incarceration. *Journal of Participatory Research Methods*, *3*(3), 1-27.
- Abraczinskas, M., Kornbluh, M., Golden, A. R., Glende, J., Velez, V., Vines, E., & Ozer, E. J. (2022). Preventing bullying and improving school climate through integrating youth participatory action research into school-wide positive behavioral interventions and supports: An illustration using a multiple case study approach. *Journal of Prevention and Health Promotion*, *3*(2), 166-194.
- Abreu, D., Dubeux, J. C. B., Queiroz, L. D., Jaramillo, D., Da Silva Santos, E. R., van Cleef, F., Vela-Garcia, C., DiLorenzo, N., & Ruiz-Moreno, M. (2022). Supplementation of molasses-based liquid feed for cattle fed on limpgrass hay. *Animals*, *12*(17), #2227.
- Abreu, D. S., Dubeux, J. C. B., Santos, E. R. S., Queiroz, L. M. D., Jaramillo, D. M., van Cleef, F., Garcia, C. V., Longhini, V., DiLorenzo, N., Souza, R. T., Homem, B. G. C., & Ruiz-Moreno, M. (2022). Canopy characterization and nutritive value of stockpiled 'Floralta' limpgrass. *Agronomy Journal*, *114*(4), 2407-2414.
- Abreu, M. B., Cunha, C. S., Costa, J. H. C., Miller-Cushon, E. K., Rotta, P. P., Machado, A. F., Morais, V. C. L., Chizzotti, F. H. M., & Marcondes, M. I. (2022). Performance and feeding behavior of Holstein and Holstein x Gyr crossbred heifers grazing temperate forages. *Tropical Animal Health and Production*, *54*(2), #100.
- Acevedo, M., Clark, D., Fankhauser, C., & Toohey, J. M. (2022). No evidence of predicted phenotypic changes after hurricane disturbance in a shade-specialist Caribbean anole. *Biology Letters*, *18*(8), #20220152.
- Acharya, S., Kaplan, D. A., McLaughlin, D. L., & Cohen, M. J. (2022). *In-situ* quantification and prediction of water yield from southern us pine forests. *Water Resources Research*, *58*(5), #e2021WR031020.
- Adedoja, O. A., Crandall, R. M., & Mallinger, R. E. (2022). Season of prescribed burns and management of an early successional species affect flower density and pollinator activity in a pine savanna ecosystem. *PeerJ*, *10*, #e14377.
- Adeleye, V. O., Seal, D. R., Liburd, O. E., McAuslane, H., & Alborn, H. (2022). Pepper weevil, *Anthonomus eugenii* (Coleoptera: Curculionidae) suppression on jalapeño pepper using non-host insect repellent plants. *Crop Protection*, *154*, #105893.

- Adhikari, B., & Vashishth, T. (2022). 'Just the right amount' of hydrogen cyanamide for profitable bud-break in low-chill peach cultivars. *Acta Horticulturae*, 1344, 143-150.
- Adler, K., Schill, A. E. R., Stolberg, A. M., Miller, C. W., & Forthman, M. (2022). First record of the bow-legged bug, *Hyalymenus subinermis* Van Duzee, 1923 (Hemiptera: Heteroptera: Alydidae), in California, with description of the mimetic immature stages. *Pan-Pacific Entomologist*, 98(2), 138-149.
- Adrah, E., Wan Mohd Jaafar, W. S., Omar, H., Bajaj, S., Leite, R. V., Mazlan, S. M., Silva, C. A., Chel Gee Ooi, M., Mohd Said, M. N., Abdul Maulud, K. N., Cardil, A., & Mohan, M. (2022). Analyzing canopy height patterns and environmental landscape drivers in tropical forests using NASA's GEDI spaceborne LiDAR. *Remote Sensing*, 14(13), #3172.
- Aenlle, J. V., Loizzo, J., Bunch, J. C., Stone, W., Meredith, M., & Ray, K. (2022). Conservation conversation: An arts-based approach to examine impacts of a live video webcast on youth viewers' conceptualizations of forest ecosystems. *Applied Environmental Education & Communication*, 21(3), 221-237.
- Aenlle, J. V., Meredith, M., Loizzo, L., & Akers, A. (2022). A podcast ethnography: Exploring COVID-19's effect on the scientific enterprise. *International Journal of Arts, Humanities & Social Science*, 3(9), 32-36.
- Afzal, M., Shaheen, N., Shah, S. A. A., Iqbal, A., Scharf, M. E., & Qureshi, N. A. (2022). Saccharification of agricultural lignocellulosic feedstocks by endogenous and symbiotic cellulases from the subterranean termites. *Biocatalysis and Agricultural Biotechnology*, 39, #102265.
- Agnelli, S., & Capua, I. (2022). Pandemic or panzootic—A reflection on terminology for SARS-CoV-2 infection. *Emerging Infectious Diseases*, 28(12), 2552-2555.
- Aguiar, F. M., Vallad, G. E., Timilsina, S., Veloso, J. S., Fonseca, M. E. N., Boiteux, L. S., & Reis, A. (2022). Phylogenetic network analysis of South and North American *Corynespora cassiicola* isolates from tomato, cucumber, and novel hosts. *European Journal of Plant Pathology*, 163(3), 657-671.
- Agustinho, B. C., Ravelo, A., Vinyard, J. R., Lobo, R. R., Arce-Cordero, J. A., Monteiro, H. F., Sarmikasoglou, E., Bennett, S., Johnson, M. L., Vieira, E. R. Q., Stoffel, C., Stocks, S. E., & Faciola, A. P. (2022). Effects of replacing magnesium oxide with calcium-magnesium carbonate with or without sodium bicarbonate on ruminal fermentation and nutrient flow in vitro. *Journal of Dairy Science*, 105(4), 3090-3101.
- Ahlawat, Y., Li, S., Timilsena, P. R., Pliakoni, E. D., Brecht, J. K., & Liu, T. (2022). Identification of senescence-associated genes in broccoli (*Brassica oleracea*) following harvest. *Postharvest Biology and Technology*, 183, #111729.
- Ahmed, M. Z., McKenzie, C. L., Revynthi, A. M., Evans, G. A., Mottern, J. L., Mannion, C. M., & Osborne, L. S. (2022). Pest status, survey of natural enemies, and a management plan

- for the whitefly *Singhiella simplex* (Hemiptera: Aleyrodidae) in the United States. *Journal of Integrated Pest Management*, 13(1), #11.
- Ahrens, A. P., Sanchez-Padilla, D. E., Drew, J. C., Oli, M. W., Roesch, L. F. W., & Triplett, E. W. (2022). Saliva microbiome, dietary, and genetic markers are associated with suicidal ideation in university students. *Scientific Reports*, 12(1), #14306.
- Aldridge, R. L., Alto, B. W., Connelly, C. R., Okech, B., Siegfried, B., & Linthicum, K. J. (2022). Lethal and sublethal concentrations of formulated larvicides against susceptible *Aedes aegypti*. *Journal of the American Mosquito Control Association*, 38(4), 250-260.
- Ali, F., Wei, X., Siddiqui, Z. S., Chen, J., Ansari, H. H., Wajid, D., Shams, Z. I., Abbasi, M. W., & Zafar, U. (2022). Scrutinizes the sustainable role of halophilic microbial strains on oxygen-evolving complex, specific energy fluxes, energy flow and nitrogen assimilation of sunflower cultivars in a suboptimal environment. *Frontiers in Plant Science*, 13, #913825.
- Allar, J., & Maltais-Landry, G. (2022). Limited benefits of summer cover crops on nitrogen cycling in organic vegetable production. *Nutrient Cycling in Agroecosystems*, 122(2), 119-138.
- Allen, J. H., Ervin, D. E., Frisvold, G. B., Brosnan, J. T., McCurdy, J. D., Bowling, R. G., Patton, A. J., Elmore, M. T., Gannon, T. W., McCarty, L. B., McCullough, P. E., Kaminski, J. E., Askew, S. D., Kowalewski, A. R., Unruh, J. B., McElroy, J. S., & Bagavathiannan, M. V. (2022). Herbicide-resistance in turf systems: Insights and options for managing complexity. *Sustainability*, 14(20), #13399.
- Allen, Q. M., Febres, V. J., Rathinasabapathi, B., & Chaparro, J. X. (2022). Engineering a plant-derived astaxanthin synthetic pathway into *Nicotiana benthamiana*. *Frontiers in Plant Science*, 12, #831785.
- Allen-Perkins, A., Magrach, A., Dainese, M., Garibaldi, L. A., Kleijn, D., Rader, R., Reilly, J. R., (+ 179 authors including Ellis, J. D., Daniels, J., Campbell, J. W., Mallinger, R. E.), & Bartomeus, I. (2022). CropPol: A dynamic, open and global database on crop pollination. *Ecology*, 103(3), #e3614.
- Al-Maruf, A., Pervez, A. K. M. K., Sarker, P. K., Rahman, M. S., & Ruiz-Menjivar, J. (2022). Exploring the factors of farmers' rural–Urban migration decisions in Bangladesh. *Agriculture*, 12(5), #722.
- Almeida, K. V., Santos, G. T., Daniel, J. L. P., Nino-de-Guzman, C., Amaro, F. X., Sultana, H., Arriola, K. G., Araujo, R. C., & Vyas, D. (2022). Effects of nitrate sources on in vitro methane production and ruminal fermentation parameters in diets differing in starch degradability. *Animal Feed Science and Technology*, 292, #115437.
- Almeida, K. V., Santos, G. T., Daniel, J. L. P., Osorio, J. A. C., Yamada, K. L. G., Sippert, M. R., Cabral, J. F., Marchi, F. E., Araujo, R. C., & Vyas, D. (2022). Effects of calcium ammonium nitrate fed to dairy cows on nutrient intake and digestibility, milk quality,

- microbial protein synthesis, and ruminal fermentation parameters. *Journal of Dairy Science*, 105(3), 2228-2241.
- Alomar, A. A., & Alto, B. W. (2022). Evaluation of pyriproxyfen effects on *Aedes aegypti* and predatory mosquito *Toxorhynchites rutilus* (Diptera: Culicidae). *Journal of Medical Entomology*, 59(2), 585-590.
- Alomar, A. A., & Alto, B. W. (2022). Temperature-mediated effects on mayaro virus vector competency of Florida *Aedes aegypti* mosquito vectors. *Viruses*, 14(5), #880.
- Alomar, A. A., Alto, B. W., & Walker, E. D. (2022). Spinosyns delivered in sugar meals to *Aedes aegypti* and *Aedes albopictus* (Diptera: Culicidae): Acute toxicity and subacute effects on survival, fecundity, and fertility. *Journal of Medical Entomology*, 59(2), 623-630.
- Alomar, A. A., Eastmond, B. H., Rapti, Z., Walker, E. D., & Alto, B. W. (2022). Ingestion of spinosad-containing toxic sugar bait alters *Aedes albopictus* vector competence and vectorial capacity for dengue virus. *Frontiers in Microbiology*, 13, #933482
- Alonso, A., Nelson, N. G., Yurek, S., Kaplan, D., Olabarrieta, M., & Frederick, P. (2022). Estimating the influence of oyster reef chains on freshwater detention at the estuary scale using Landsat-8 imagery. *Estuaries and Coasts*, 45(1), 1-16.
- Al-Shami, S., & Qureshi, J. A. (2022). Predation of Florida red scale *Chrysomphalus aonidum* (L.) by the metallic blue ladybeetle *Curinus coeruleus* (Mulsant). *Bulletin of Entomological Research*, 112(3), 370-377.
- Alvarez-Aleman, A., Hunter, M. E., Frazer, T. K., Powell, J. A., Alfonso, E. G., & Austin, J. D. (2022). The first assessment of the genetic diversity and structure of the endangered West Indian manatee in Cuba. *Genetica*, 150(6), 327-341.
- Álvarez-Pérez, P., & Harris, V. W. (2022). Personal social networks as a superdiversity dimension: A qualitative approach with second-generation Americans. *Current Sociology*, 70(2), 227-257.
- Álvarez-Pérez, P., Peláez, A. L., & Harris, V. W. (2022). Methodological pathways to portray superdiversity: A few concluding thoughts. *Current Sociology*, 70(2), 308-313.
- Alves, A. C., de Souza, E. R., de Melo, H. F., Oliveira Pinto, J. G., de Andrade Rego Junior, F. E., de Souza Júnior, V. S., Adriano Marques, F., do Santos, M. A., Schaffer, B., & Raj Gheyi, H. (2022). Comparison of solution extraction methods for estimating electrical conductivity in soils with contrasting mineralogical assemblages and textures. *Catena*, 218, #106581.
- Amaral, T. F., de Grazia, J. G. V., Martinhao, L. A. G., De Col, F., Siqueira, L. G. B., Viana, J. H. M., & Hansen, P. J. (2022). Actions of CSF2 and DKK1 on bovine embryo development and pregnancy outcomes are affected by composition of embryo culture medium. *Scientific Reports*, 12(1), #7503.

- Amaral, T. F., Diaza, A. G., Heredia, D., Melo, G. D., Estrada-Cortes, E., Jensen, L. M., Pohler, K., & Hansen, P. J. (2022). Actions of DKK1 on the preimplantation bovine embryo to affect pregnancy establishment, placental function, and postnatal phenotype *Biology of Reproduction*, *107*(4), 945-955.
- Amaro, F. X., Kim, D., Restelatto, R., Carvalho, P., Arriola, K., Duvalsaint, E. J. C., Cervantes, A. P., Jiang, Y., Agarussi, M. C. N., Silva, V. P., Adesogan, A. T., Ferraretto, L. F., Staples, C. R., Eun, J. S., Moon, J. O., & Vyas, D. (2022). Lactational performance of dairy cows in response to supplementing N-acetyl-l-methionine as source of rumen-protected methionine. *Journal of Dairy Science*, *105*(3), 2301-2314.
- Ames, Z. R., Brecht, J. K., Olmstead, M. A., Colquhoun, T. A., & Keene, S. A. (2022). Using conjoint-based experimental design to assess willingness to purchase Florida peaches. *HortScience*, *57*(9), 1110-1119.
- Amgain, N. R., Fan, Y., VanWeelden, M. T., Rabbany, A., & Bhadha, J. H. (2022). From ground to grain: Tracing phosphorus and potassium in flooded rice cultivar grown on histosols. *Agriculture*, *12*(8), #1250.
- Amgain, N. R., Martens-Habbena, N., & Bhadha, J. H. (2022). Effect of dry and flooded rice as cover crops on soil health and microbial community on histosols. *Sustainable Agriculture Research*, *11*(4), 40-49.
- Amgain, N. R., Xu, N., Rabbany, A., Fan, Y., & Bhadha, J. H. (2022). Developing soil health scoring indices based on a comprehensive database under different land management practices in Florida. *Agrosystems, Geosciences and Environment*, *5*(3), #e20304.
- Amole, T., Augustine, A., Balehegn, M., & Adesogoan, A. T. (2022). Livestock feed resources in the West African Sahel. *Agronomy Journal*, *114*(1), 26-45.
- Anderson, J. D., Ferreira Vidal, R., Brym, M., Stafne, E. T., Resende, M. F. R., Viana, A. P., & Chambers, A. H. (2022). Genotyping-by-sequencing of passion fruit (*Passiflora* spp.) generates genomic resources for breeding and systematics. *Genetic Resources and Crop Evolution*, *69*(8), 2769-2786.
- Anderson, J. D., Gastelbondo, M., & Chambers, A. H. (2022). Diagnostic KASP markers differentiate *Vanilla planifolia*, *V. odorata*, *V. pompona*, and their hybrids using leaf or cured pod tissues. *Molecular Biology Reports*, *50*(1), 707-717.
- Andrade, C., Gillen, M., Molina, J. A., & Wilmarth, M. J. (2022). The social and economic impact of COVID-19 on family functioning and well-being: Where do we go from here? *Journal of Family and Economic Issues*, *43*(2), 205-212.
- Andrade, J. M., Grandoff, P. G., & Schneider, S. T. (2022). Vitamin D intake and factors associated with self-reported vitamin D deficiency among us adults: A 2021 cross-sectional study. *Frontiers in Nutrition*, *9*, #899300.

- Ángel-Restrepo, M., Parra, P. P., Ochoa-Ascencio, S., Fernández-Pavía, S., Vázquez-Marrufo, G., Equihua-Martínez, A., Barrientos-Priego, A. F., Ploetz, R. C., Konkol, J. L., Saucedo-Carabez, J. R., & Gazis, R. (2022). First look into the ambrosia beetle-fungus symbiosis present in commercial avocado orchards in Michoacán, Mexico. *Environmental Entomology*, *51*(2), 385-396.
- Anglade, B., Useche, P., & Deere, C. D. (2022). A gendered analysis of individual-level asset poverty in Ecuador. *Feminist Economics*, *28*(1), 56-85.
- Antolínez, C. A., Martini, X., Stelinski, L. L., & Rivera, M. J. (2022). Wind speed and direction drive assisted dispersal of Asian citrus psyllid. *Environmental Entomology*, *51*(2), 305-312.
- Antolínez, C. A., Olarte-Castillo, X. A., Martini, X., & Rivera, M. J. (2022). Influence of daily temperature maximums on the development and short-distance movement of the Asian citrus psyllid. *Journal of Thermal Biology*, *110*, #103354.
- Araghi, A., Martinez, C. J., & Olesen, J. E. (2022). Evaluation of multiple gridded solar radiation data for crop modeling. *European Journal of Agronomy*, *133*, #126419.
- Araghi, A., Martinez, C. J., Olesen, J. E., & Hoogenboom, G. (2022). Assessment of nine gridded temperature data for modeling of wheat production systems. *Computers and Electronics in Agriculture*, *199*, #107189.
- Araújo, J. P. M., Li, Y., Duong, T. A., Smith, M. E., Adams, S., & Hulcr, J. (2022). Four new species of *Harringtonia*: Unravelling the laurel wilt fungal genus. *Journal of Fungi*, *8*(6), #613.
- Arce-Cordero, J. A., Bennett, S. L., Liu, T., Ravelo, A., Lobo, R. R., Jeong, K. C., & Faciola, A. P. (2022). Combinations of bacterial cultures, exogenous enzymes, and yeast-based feed additives and their impact on ruminal microbiome. *Translational Animal Science*, *6*(4), #txac157.
- Arce-Cordero, J. A., Fan, P., Monteiro, H. F., Dai, X., Jeong, K. C., & Faciola, A. P. (2022). Effects of choline chloride on the ruminal microbiome at 2 dietary neutral detergent fiber concentrations in continuous culture. *Journal of Dairy Science*, *105*(5), 4128-4143.
- Arce-Cordero, J. A., Liu, T., Ravelo, A., Lobo, R. R., Agostinho, B. C., Monteiro, H. F., Jeong, K. C., & Faciola, A. P. (2022). Effects of calcium-magnesium carbonate and calcium-magnesium hydroxide as supplemental sources of magnesium on ruminal microbiome. *Translational Animal Science*, *6*(3), #txac092.
- Archer, L., Crane, J. H., & Albrecht, U. (2022). Trunk injection as a tool to deliver plant protection materials—An overview of basic principles and practical considerations. *Horticulturae*, *8*(6), #552.

- Archer, L., Qureshi, J., & Albrecht, U. (2022). Efficacy of trunk injected imidacloprid and oxytetracycline in managing huanglongbing and Asian citrus psyllid in infected sweet orange (*Citrus sinensis*) trees. *Agriculture*, *12*(10), #1592.
- Arias Esquivel, A. M., Villalobos-Villalobos, L. A., Wickens, C. L., & Camacho, E. (2022). Welfare assessment of horses ridden in the Costa Rica National Horse Parade. *Latin American Archives of Animal Production*, *30*(4), 311-319.
- Arjona-López, J. M., Gmitter, F. G., Romero-Rodríguez, E., Grosser, J. W., Hervalejo, A., López-Herrera, C. J., & Arenas-Arenas, F. J. (2022). Susceptibility of novel promising citrus rootstocks to white root rot. *Plants*, *11*(23), #3388.
- Armstrong, C. M., Zhou, L., Luo, W., Batuman, O., Alabi, O. J., & Duan, Y. (2022). Identification of a chromosomal deletion mutation and the dynamics of two major populations of ‘*Candidatus Liberibacter asiaticus*’ in its hosts. *Phytopathology*, *112*(1), 81-88.
- Arnoldi, M., Duren, E. B., Avery, P. B., & Rossi, L. (2022). Assessing the endophytic potential of a commercially available entomopathogenic *Beauveria bassiana* strain in various citrus rootstocks. *Applied Microbiology*, *2*(3), 561-571.
- Arshad, U., & Santos, J. E. P. (2022). Hepatic triacylglycerol associations with production and health in dairy cows. *Journal of Dairy Science*, *105*(6), 5393-5409.
- Asche, F., Garlock, T., Camp, E., Guillen, J., Kumar, G., Llorente, I., & Shamshak, G. (2022). Market opportunities for US aquaculture producers: The case of Branzino. *Marine Resource Economics*, *37*(2), 221-233.
- Asche, F., Oglend, A., & Smith, M. D. (2022). Global markets and the commons: The role of imports in the US wild-caught shrimp market. *Environmental Research Letters*, *17*(4), #045023.
- Asche, F., Sogn-Grundvåg, G., & Zhang, D. (2022). Large-scale fisheries during the COVID-19 pandemic: The case of the oceangoing groundfish fleet in Norway. *Marine Policy*, *144*, #105223.
- Asche, F., Straume, H. M., Garlock, T., Johansen, U., Kvamsdal, S. F., Nygaard, R., Pincinato, R. B. M., & Tveteras, R. (2022). Challenges and opportunities: Impacts of COVID-19 on Norwegian seafood exports. *Aquatic Living Resources*, *35*, #15.
- Asche, F., Yang, B. X., Gephart, J. A., Smith, M. D., Anderson, J. L., Camp, E. V., Garlock, T. M., Love, D. C., Oglend, A., & Straume, H. M. (2022). China's seafood imports-Not for domestic consumption? *Science*, *375*(6579), 386-388.
- Assegide, E., Alamirew, T., Bayabil, H., Dile, Y. T., Tessema, B., & Zeleke, G. (2022). A synthesis of surface water quality in Awash basin, Ethiopia. *Frontiers in Water*, *3*, #781124.

- Assegide, E., Alamirew, T., Dile, Y. T., Bayabil, H., Tessema, B., & Zeleke, G. (2022). Impacts of surface water quality in the Awash river basin, Ethiopia: A systematic review. *Frontiers in Water*, 3, #790900.
- Atchison, R. A., & Lucky, A. (2022). Diversity and resilience of seed-removing ant species in longleaf sandhill to frequent fire. *Diversity*, 14(12), #1012.
- Athearn, K., Burani-Arouca, M., Dufault, N., Fraisse, C., Freeman, J., Hochmuth, R., Sanchez, T., Borisova, T., Pittman, T., & Harlow, L. (2022). Watermelon planting decisions with multiple risks: A simulation analysis. *HortTechnology*, 32(4), 377-381.
- Atkins, J. W., Stovall, A. E. L., & Alberto Silva, C. (2022). Open-Source tools in R for forestry and forest ecology. *Forest Ecology and Management*, 503, #119813.
- Atta, A. A., Morgan, K. T., & Kadyampakeni, D. M. (2022). Spatial and temporal nutrient dynamics and water management of huanglongbing-affected mature citrus trees on Florida sandy soils. *Sustainability*, 14(12), #7134.
- Atuna, R. A., Amagloh, F. C., Denwar, N. N., Asase, V. R., Faisal, S., Baako, E., Koomson, G., Gulkirpik, E., Toc, M., Donnelly, A., Amagloh, F. K., & Laborde, J. A. E. (2022). Filling the protein gap in Ghana: The role of soy. *Frontiers in Sustainable Food Systems*, 5, #781571.
- Auchtung, T. A., Stewart, C. J., Smith, D. P., Triplett, E. W., Agardh, D., Hagopian, W. A., Ziegler, A. G., Rewers, M. J., She, J. X., Toppari, J., Lernmark, Å., Akolkar, B., Krischer, J. P., Vehik, K., Auchtung, J. M., Ajami, N. J., & Petrosino, J. F. (2022). Temporal changes in gastrointestinal fungi and the risk of autoimmunity during early childhood: The TEDDY study. *Nature Communications*, 13(1), #3151.
- Austin, J. D., Gore, J. A., Hargrove, J. S., de Torrez, E. C. B., Carneiro, C. M., Ridgley, F. N., & Wisely, S. M. (2022). Strong population genetic structure and cryptic diversity in the Florida bonneted bat (*Eumops floridanus*). *Conservation Genetics*, 23(3), 495-512.
- Avery, P. B., George, J., Markle, L., Martini, X., Rowley, A. L., Meagher, R. L., Barger, R. E., Duren, E. B., Dawson, J. S., & Cave, R. D. (2022). Choice behavior of the generalist pentatomid predator *Podisus maculiventris* when offered lepidopteran larvae infected with an entomopathogenic fungus. *Biocontrol*, 67(2), 201-211.
- Avila-Arias, H., Scharf, M. E., Turco, R. F., & Richmond, D. S. (2022). Soil environments influence gut prokaryotic communities in the larvae of the invasive japanese beetle *Popillia japonica* Newman. *Frontiers in Microbiology*, 13, #845513.
- Avuwadah, B. Y., & Kropp, J. D. (2022). Impact of introducing a farm to school program on the number of school lunches served. *Appetite*, 168, #105741.
- Awad-Allah, M. M. A., Attia, K. A., Omar, A. A., Dessoky, E. S., Alzuaibr, F. M., Alshehri, M. A., Abdein, M. A., & Mohamed, A. H. (2022). Development of new iso-cytoplasmic



- rice-restorer lines and new rice hybrids with superior grain yield and grain quality characteristics by utilizing restorers' fertility genes. *Genes*, 13(5), #808.
- Awad-Allah, M. M. A., Attia, K. A., Omar, A. A., Mohamed, A. H., Habiba, R. M., Alzuaibr, F. M., Alshehri, M. A., Alqurashi, M., Aloufi, S., Dessoky, E. S., & Abdein, M. A. (2022). Combining ability and gene action controlling agronomic traits for cytoplasmic male sterile line, restorer lines, and new hybrids for developing of new drought-tolerant rice hybrids. *Genes*, 13(5), #906.
- Azevedo, A., Souza, F., Campos, R., Reis, D., Machado, J., Machado, M., Lédo, F., & Resende, M. (2022). Development of microsatellite panels for molecular fingerprinting of Napier grass (*Cenchrus purpureus*) cultivars. *Crop Breeding and Applied Biotechnology*, 22(4), #e42522244.
- Babaeian, E., Paheding, S., Siddique, N., Devabhaktuni, V. K., & Tuller, M. (2022). Short- and mid-term forecasts of actual evapotranspiration with deep learning. *Journal of Hydrology*, 612, #128078.
- Babazadeh, H., Tabrizi, M. S., & Hoogenboom, G. (2022). Crop production and water productivity simultaneously optimization of soybean plant using two meta-heuristic algorithms. *Romanian Agricultural Research*, 2022(39).
- Babu, A., Rodriguez-Saona, C., & Sial, A. A. (2022). Factors influencing the efficacy of novel attract-and-kill (ACTTRA SWD) formulations against *Drosophila suzukii*. *Journal of Economic Entomology*, 115(4), 981-989.
- Babu, B., Paret, M. L., Martini, X., Knox, G. W., Riddle, B., Ritchie, L., Aldrich, J., Kalischuk, M., & Da Silva, S. (2022). Impact of foliar application of acibenzolar-S-methyl on rose rosette disease and rose plant quality. *Plant Disease*, 106(3), 818-827.
- Baggio, J. S., Cordova, L. G., Toledo, B. F., Noling, J. W., & Peres, N. A. (2022). A reassessment of the fungicidal efficacy of 1,3-dichloropropene, chloropicrin, and metam potassium against *Macrophomina phaseolina* in strawberry. *Pest Management Science*, 78(8), 3416-3423.
- Bagnall, D. K., Morgan, C. L. S., Bean, G. M., Liptzin, D., Cappellazzi, S. B., Cope, M., Greub, K. L. H., (+ 101 authors including Sidhu, S. S., Wright, D. L.), & Honeycutt, C. W. (2022). Selecting soil hydraulic properties as indicators of soil health: Measurement response to management and site characteristics. *Soil Science Society of America Journal*, 86(5), 1206-1226.
- Bagnall, D. K., Morgan, C. L. S., Cope, M., Bean, G. M., Cappellazzi, S., Greub, K., Liptzin, D., (+ 98 authors including Sidhu, S., Wright, D.), & Honeycutt, C. W. (2022). Carbon-sensitive pedotransfer functions for plant available water. *Soil Science Society of America Journal*, 86(3), 612-629.

- Bahder, B. W., Barrantes, E. A., Echavarría, M. A. Z., Helmick, E. E., & Bartlett, C. R. (2022). A new species of planthopper in the genus *Anchimothon* (Hemiptera: Auchenorrhyncha: Derbidae) on palms from Costa Rica. *Zootaxa*, 5169(4), 359-370.
- Bahder, B. W., Echavarría, M. A. Z., Barrantes, E. A. B., Helmick, E. E., & Bartlett, C. R. (2022). A new species of planthopper in the genus *Tico* (Hemiptera: Auchenorrhyncha: Derbidae) on palms from lowland tropical rainforest in Costa Rica. *Zootaxa*, 5125(3), 283-294.
- Bailey, K. M., Hooker, K. R., Loggins, A. A., Potash, A. D., Hardeman, D. W., & McCleery, R. A. (2022). It pays to get paid: Factors influencing wildlife-related employment success. *Wildlife Society Bulletin*, 46(1), #e1252.
- Baker, L., McLeod-Morin, A., Rampold, S., Lindsey, A., Telg, R., & Ogelsby, M. (2022). Search, seek, share: A national survey assessing Americans' information channels and sharing behaviors during a pandemic. *Advancements in Agricultural Development*, 3(2), 62-74.
- Baker, L., McLeod-Morin, A., Yang, C. X., King, A. E. H., Thomas, S., & Boone, K. (2022). Rural redemption: A model to help understand the perspectives of rural Americans related to vaccine science. *Journal of Applied Communications*, 106(4), #1.
- Bakner, N. W., Tyler Pittman, H., Shields, R. D., Wood, J. D., Morales, N. A., Rumble, J. N., & Leal, A. (2022). Characteristics, attitudes, and motivations of hunting mentors in Florida. *Wildlife Society Bulletin*, 46(2), #e1275.
- Balaguera-Reina, S. A., Angulo-Bedoya, M., Moncada-Jimenez, J. F., Webster, M., Roberto, I. J., & Mazzotti, F. J. (2022). Update: Assessing the evolutionary trajectory of the Apaporis caiman (*Caiman crocodilus apaporiensis*, Medem 1955) via mitochondrial molecular markers. *Biological Journal of the Linnean Society*, 137(4), 700-710.
- Balaguera-Reina, S. A., Jennings, N. D., Godfrey, S. T., Brandt, L. A., Daykin, B., Squires, M. A., & Mazzotti, F. J. (2022). Hematology and biochemistry reference intervals for American crocodiles (*Crocodylus acutus*) in South Florida. *Frontiers in Veterinary Science*, 9, #919488.
- Balaguera-Reina, S. A., & Mazzotti, F. J. (2022). Belly up or belly down: Effect of body position on snout vent length and total length measurements in American crocodiles (*Crocodylus acutus*). *Amphibia-Reptilia*, 43(4), 443-448.
- Balakrishnan, G., & Schneider, R. G. (2022). The role of amaranth, quinoa, and millets for the development of healthy, sustainable food products - A concise review. *Foods*, 11(16), #2442.
- Balehegn, M., Ayantunde, A., Amole, T., Njarui, D., Nkosi, B. D., Müller, F. L., Meeske, R., Tjelele, T. J., Malebana, I. M., Madibela, O. R., Boitumelo, W. S., Lukuyu, B., Weseh, A., Minani, E., & Adesogan, A. T. (2022). Forage conservation in sub-Saharan Africa: Review of experiences, challenges, and opportunities. *Agronomy Journal*, 114(1), 75-99.

- Balehegn, M., Varijakshapanicker, P., Zampaligre, N., Blummel, M., Ayantunde, A., Jones, C., Prasad, K. V. S. V., Duncan, A., Dejene, M., & Adesogan, A. T. (2022). Near-infrared reflectance spectroscopy for forage nutritive value analysis in sub-Saharan African countries. *Agronomy Journal*, *114*(1), 100-114.
- Ballén-Taborda, C., Lyerly, J., Smith, J., Howell, K., Brown-Guedira, G., Babar, M. A., Harrison, S. A., Mason, R. E., Mergoum, M., Murphy, J. P., Sutton, R., Griffey, C. A., & Boyles, R. E. (2022). Utilizing genomics and historical data to optimize gene pools for new breeding programs: A case study in winter wheat. *Frontiers in Genetics*, *13*, #964684.
- Bamazi, B., Banito, A., Ayisah, K. D., Sikirou, R., Paret, M. L., Kunwar, S., Kamde, K., Tchalla, P., & Afole, S. L. N. A. (2022). Distribution and incidence of tomato bacterial wilt caused by *Ralstonia solanacearum* in the central region of Togo. *Plant Health Progress*, *23*(2), 235-240.
- Bammer, M., Bengé, M., & Warner, L. A. (2022). Identifying and assessing needs of Florida commercial beekeepers using nominal group technique. *Journal of Agricultural Education*, *63*(1), 80-97.
- Banerjee, R., Flores-Escobar, B., Chougule, N. P., Cantón, P. E., Dumitru, R., & Bonning, B. C. (2022). Peptide mediated, enhanced toxicity of a bacterial pesticidal protein against southern green stink bug. *Microbial biotechnology*, *15*(7), 2071-2082.
- Baniya, B., Bigelow, S. W., Sharma, A., Taylor, S., Vogel, J. G., & Brantley, S. T. (2022). Re-assembly of the longleaf pine ecosystem: Effects of groundcover seeding on understory community, fire behavior and soil properties. *Forests*, *13*(4), #519.
- Barber, C., Graves, S. J., Hall, J. S., Zuidema, P. A., Brandt, J., Bohlman, S. A., Asner, G. P., Bailón, M., & Caughlin, T. T. (2022). Species-level tree crown maps improve predictions of tree recruit abundance in a tropical landscape. *Ecological Applications*, *32*(5), #e2585.
- Barbosa, M., Lefler, F. W., Berthold, D. E., Briggs-Gonzalez, V. S., Mazzotti, F. J., & Laughinghouse, H. D. (2022). Trophic state drives the diversity of protists in a tropical river (New River, Belize). *Microorganisms*, *10*(12), #2425.
- Barchiesi, S., Alonso, A., Pazmiño-Hernandez, M., Serrano-Sandí, J. M., Muñoz-Carpena, R., & Angelini, C. (2022). Wetland hydropattern and vegetation greenness predict avian populations in Palo Verde, Costa Rica. *Ecological Applications*, *32*(2), #e2493.
- Bardsley, C. A., Young, M. J., Sharma, M., Kessler, C., Appolon, C. B., & Schneider, K. R. (2022). Growth media of *Escherichia coli* does not affect its survival in soil under static conditions. *Journal of Food Protection*, *85*(12), 1842-1847.
- Barlas, N. T., & Kadyampakeni, D. M. (2022). Clementine mandarin: Biomass formation, distribution and nitrogen uptake trends. *Journal of Plant Nutrition*, *45*(10), 1536-1546.

- Barlas, N. T., & Kadyampakeni, D. M. (2022). Phosphorus dynamics in clementine mandarin. *International Journal of Fruit Science*, 22(1), 133-141.
- Barnum, T. R., Wootton, J. T., Bixby, R. J., Drake, J. M., Murray-Stoker, D., Colón-Gaud, C., Rugenski, A. T., Frauendorf, T. C., Connelly, S., Kilham, S. S., Whiles, M. R., Lips, K. R., & Pringle, C. M. (2022). Mechanisms underlying lack of functional compensation by insect grazers after tadpole declines in a neotropical stream. *Limnology and Oceanography*, 67(S1), S198-S210.
- Barrantes, E. A. B., Echavarría, M. A. Z., Bartlett, C. R., Helmick, E. E., & Bahder, B. W. (2022). A new species of *Oecleus* (Hemiptera: Auchenorrhyncha: Fulgoroidea: Cixiidae) from the Caribbean coast of Costa Rica and a reassessment of the generic status of *Nymphomyndus*. *Microorganisms*, 4133(4), 509-526.
- Barry, D. M., Warner, A. J., LaRose, S. E., Colclasure, B. C., & Osborne, E. W. (2022). Personal resilience of first-year, alternatively certified agriscience teachers. *Advancements in Agricultural Development*, 3(1), 103-114.
- Baruzzi, C., Barton, B. T., Cove, M. V., & Lashley, M. A. (2022). Mass mortality events and declining obligate scavengers in the Anthropocene: Social feeders may be critical. *Biological Conservation*, 269, #109527.
- Baruzzi, C., Hong, J., Zamora, C., Stein, C., & Crandall, R. M. (2022). The pyrogenic bunchgrass *Aristida beyrichiana* is negatively affected by soil biota when planted outside of its home soil. *Plant and Soil*, 479(1-2), 621-630.
- Baruzzi, C., Medina-Irizarry, N., Armstrong, M. N., & Crandall, R. M. (2022). Fire season and canopy cover interact to affect reproduction of a pyrogenic bunchgrass, *Aristida beyrichiana*. *Plant Ecology*, 223(3), 263-272.
- Basham, E. W., Baecher, J. A., Klinges, D. H., & Scheffers, B. R. (2022). Vertical stratification patterns of tropical forest vertebrates: A meta-analysis. *Journal of Biological Reviews*, 98(1), 99-114.
- Basham, E. W., González-Pinzón, M., Romero-Marcucci, A., Carl, N., Baecher, J. A., & Scheffers, B. R. (2022). Large, old trees define the vertical, horizontal, and seasonal distributions of a poison frog. *Oecologia*, 199(2), 257-269.
- Basset, Y., Hajibabaei, M., Wright, M. T. G., Castillo, A. M., Donoso, D., Segar, S. T., Souto-Vilarós, D., (+ 16 authors including Scheffrahn, R. H.), & Barrios, H. (2022). Comparison of traditional and DNA metabarcoding samples for monitoring tropical soil arthropods (Formicidae, Collembola and Isoptera). *Scientific Reports*, 12(1), #10762.
- Batziakas, K. G., Singh, S., Stanley, H., Brecht, J. K., Rivard, C. L., & Pliakoni, E. D. (2022). An innovative approach for maintaining the quality of pink tomatoes stored at optimum and above-optimum temperatures using a microporous membrane patch. *Food Packaging and Shelf Life*, 34, #100981.

- Baxter, L. L., Anderson, W. F., Gates, R. N., Rios, E. F., & Hancock, D. W. (2022). Moving warm-season forage bermudagrass (*Cynodon* spp.) into temperate regions of North America. *Grass and Forage Science*, 77(2), 141-150.
- Bayabil, H. K., Teshome, F. T., Hailegnaw, N. S., Zhang, J., & Li, Y. C. (2022). Changes in soil hydraulic properties due to organic amendment. *Experimental Results*, 3, #e27.
- Bayabil, H. K., Teshome, F. T., & Li, Y. C. (2022). Emerging contaminants in soil and water. *Frontiers in Environmental Science*, 10, #873449.
- Beattie, P. N., Bengue, M., Telg, R. W., & Lundy, L. K. (2022). Assessing Florida early career extension faculty's adoption of design principles to communicate messages. *Journal of Applied Communications*, 106(3), #2.
- Beatty, M. A., Miller, K. E., & Fletcher, R. J. (2022). Snag density and stand age, but not stand size, explain occupancy and reproduction of an imperiled cavity nester in early successional forest. [La densité de chicots et l'âge du peuplement, mais pas la taille du peuplement, expliquent l'occupation et la reproduction d'un nicheur cavicole menacé en forêt de début de succession]. *Avian Conservation and Ecology*, 17(2), #36.
- Beatty, N. L., Forsyth, C. J., Burkett-Cadena, N., & Wisely, S. M. (2022). Our current understanding of Chagas disease and *Trypanosoma cruzi* infection in the state of Florida — An update on research in this region of the USA. *Current Tropical Medicine Reports*, 9(4), 150-159.
- Beck, M. W., Altieri, A., Angelini, C., Burke, M. C., Chen, J., Chin, D. W., Gardiner, J., (+ 12 authors including Philips, E. J.), & Whalen, J. (2022). Initial estuarine response to inorganic nutrient inputs from a legacy mining facility adjacent to Tampa Bay, Florida. *Marine Pollution Bulletin*, 178, #113598.
- Beke, M., Burns, A. M., Weir, S., Solch, R. J., Judkins, T. C., Nieves, C., & Langkamp-Henken, B. (2022). Validation of a novel quality of life questionnaire: The Digestion-Associated Quality of Life Questionnaire (DQLQ). *Health and Quality of Life Outcomes*, 20(1), #53.
- Beltrame, A., Salguero, P., Rossi, E., Conesa, A., Moro, L., Bettini, L. R., Rizzi, E., D'Angiò, M., Deiana, M., Piubelli, C., Rebor, P., Duranti, S., Bonfanti, P., Capua, I., Tarazona, S., & Valsecchi, M. G. (2022). Association between sex hormone levels and clinical outcomes in patients with COVID-19 admitted to hospital: An observational, retrospective, cohort study. *Frontiers in Immunology*, 13, #834851.
- Bender, R., Brecht, J., & Baldwin, E. (2022). Aroma of mature-green and tree-ripe mangoes after refrigerated air or controlled atmosphere storage. *Ciência Rural*, 52(6), #e20210062.
- Bengue, M., & Cash, E. (2022). Florida extension agents' perceived level of trust with their county extension director. *Advancements in Agricultural Development*, 3(3), 51-62.
- Bengue, M., & Howard, J. W. (2022). Importance of the access, equity, and opportunity competencies among 4-H professionals. *Journal of Youth Development*, 17(3), 118-137.

- Benitez, L., Kendig, A. E., Adhikari, A., Clay, K., Harmon, P. F., Holt, R. D., Goss, E. M., & Flory, S. L. (2022). Invasive grass litter suppresses a native grass species and promotes disease. *Ecosphere*, *13*(1), #e3907.
- Benitez-Hernández, A., Martínez-Montaña, E., Hernández, C., Lizárraga-Velázquez, C. E., Sánchez-Gutiérrez, E. Y., Gaxiola-Cortés, G., Ibarra-Castro, L., & Leyva-López, N. (2022). The growth performance and metabolic responses of juvenile spotted rose snapper (*Lutjanus guttatus*) fed diets with different precooked cornstarch to protein ratio. *Latin American Journal of Aquatic Research*, *50*(2), 276-288.
- Benoit, T., Montes, A., Shreim, S., & Andrade, J. M. (2022). Preceptors' knowledge, skills, and attitudes toward precepting dietetic interns and training perceptions. *Topics in Clinical Nutrition*, *37*(2), 98 - 112.
- Berger, A., Latimer, S., Stutts, L. R., Soubeyrand, E., Block, A. K., & Basset, G. J. (2022). Kaempferol as a precursor for ubiquinone (coenzyme Q) biosynthesis: An atypical node between specialized metabolism and primary metabolism. *Current Opinion in Plant Biology*, *66*, #102165.
- Bernal, E., Rotondo, F., Roman-Reyna, V., Klass, T., Timilsina, S., Minsavage, G. V., Iruegas-Bocardo, F., Goss, E. M., Jones, J. B., Jacobs, J. M., Miller, S. A., & Francis, D. M. (2022). Migration drives the replacement of *Xanthomonas perforans* races in the absence of widely deployed resistance. *Frontiers in Microbiology*, *13*, #826386.
- Bernal, S., Cohen, M. J., Ledesma, J. L. J., Kirk, L., Martí, E., & Lupon, A. (2022). Stream metabolism sources a large fraction of carbon dioxide to the atmosphere in two hydrologically contrasting headwater streams. *Limnology and Oceanography*, *67*(12), 2621-2634.
- Bernardini, C., Santi, S., Mian, G., Levy, A., Buoso, S., Suh, J. H., Wang, Y., Vincent, C., van Bel, A. J. E., & Musetti, R. (2022). Increased susceptibility to *Chrysanthemum* Yellows phytoplasma infection in *Atcals7ko* plants is accompanied by enhanced expression of carbohydrate transporters. *Planta*, *256*(2), #43.
- Bernardini, C., Turner, D., Wang, C., Welker, S., Achor, D., Artiga, Y. A., Turgeon, R., & Levy, A. (2022). *Candidatus* Liberibacter asiaticus accumulation in the phloem inhibits callose and reactive oxygen species. *Plant Physiology*, *190*(2), 1090–1094.
- Bernhardt, E. S., Savoy, P., Vlah, M. J., Appling, A. P., Koenig, L. E., Hall, R. O., Arroita, M., Blaszcak, J. R., Carter, A. M., Cohen, M., Harvey, J. W., Heffernan, J. B., Helton, A. M., Hosen, J. D., Kirk, L., McDowell, W. H., Stanley, E. H., Yackulic, C. B., & Grimm, N. B. (2022). Light and flow regimes regulate the metabolism of rivers. *Proceedings of the National Academy of Sciences of the United States of America*, *119*(8), #e2121976119.
- Berryman, M. A., Milletich, P. L., Petrone, J. R., Roesch, L. F., Ilonen, J., Triplett, E. W., & Ludvigsson, J. (2022). Autoimmune-associated genetics impact probiotic colonization of the infant gut. *Journal of Autoimmunity*, *133*, #102943.

- Bertassello, L. E., Jawitz, J. W., Bertuzzo, E., Botter, G., Rinaldo, A., Aubeneau, A. F., Hoverman, J. T., & Rao, P. S. C. (2022). Persistence of amphibian metapopulation occupancy in dynamic wetlandscapes. *Landscape Ecology*, *37*(3), 695-711.
- Berthold, D. E., Lefler, F. W., & Laughinghouse, H. D. (2022). Recognizing novel cyanobacterial diversity in marine benthic mats, with the description of Sirenicapillariaceae *fam. nov.*, two new genera, *Sirenicapillaria gen. nov.* and *Tigrinifilum gen. nov.*, and seven new species. *Phycologia*, *61*(2), 146-165.
- Berthold, D. E., Werner, V. R., Lefler, F. W., Simon, I. P., & Dail Laughinghouse, H. (2022). The novel marine cyanobacterium *Nunduva sanctimaloensis* sp. nov. (Nostocales, Cyanobacteria) from rocky shores and its reproduction through modified monocytes. *Fottea*, *22*(2), 192-203.
- Bessell, B., & Singh, A. (2022). A low-cost open-source handheld LiDAR-based automated understory timber stand surveying device. *HardwareX*, *12*, #e00339.
- Beuzelin, J. M., Larsen, D. J., Roldán, E. L., & Resende, E. S. (2022). Susceptibility to chlorantraniliprole in fall armyworm (Lepidoptera: Noctuidae) populations infesting sweet corn in Southern Florida. *Journal of Economic Entomology*, *115*(1), 224-232.
- Bhandari, P., & Lee, T. G. (2022). postQTL: A QTL mapping R workflow to improve the accuracy of true positive loci identification. *BMC Research Notes*, *15*(1), #153.
- Bhandari, P., Shekasteband, R., & Lee, T. G. (2022). A consensus genetic map and linkage panel for fresh-market tomato. *Journal of the American Society for Horticultural Science*, *147*(1), 53-61.
- Bhar, S., Zhao, G., Bartel, J. D., Sterchele, H., Del Mazo, A., Emerson, L. E., Edelmann, M. J., & Jones, M. K. (2022). Bacterial extracellular vesicles control murine norovirus infection through modulation of antiviral immune responses. *Frontiers in Immunology*, *13*, #909949.
- Bhardwaj, R., Aghdam, M. S., Arnao, M. B., Brecht, J. K., Fawole, O. A., & Pareek, S. (2022). Melatonin alleviates chilling injury symptom development in mango fruit by maintaining intracellular energy and cell wall and membrane stability. *Frontiers in Nutrition*, *9*, #936932.
- Bhatt, I. S., Dias, R., Wineinger, N., Pratt, S., Wang, J., Washnik, N., Guthrie, O., Wilder, J., & Torkamani, A. (2022). Audiochip: A deep phenotyping approach for deconstructing and quantifying audiological phenotypes of self-reported speech perception difficulties. *Ear and Hearing*, *43*(3), 1023-1036.
- Bhatt, I. S., Wilson, N., Dias, R., & Torkamani, A. (2022). A genome-wide association study of tinnitus reveals shared genetic links to neuropsychiatric disorders. *Scientific Reports*, *12*(1), #2251.

- Biketova, A. Y., Gelardi, M., Smith, M. E., Simonini, G., Healy, R. A., Taneyama, Y., Vasquez, G., Kovács, Á., Nagy, L. G., Wasser, S. P., Peintner, U., Nevo, E., Bunyard, B. A., & Vizzini, A. (2022). Reappraisal of the genus *Exsudoporus* (Boletaceae) worldwide based on multi-gene phylogeny, morphology and biogeography, and insights on *Amoenoboletus*. *Journal of Fungi*, 8(2), #101.
- Bin Zarah, A., Schneider, S. T., & Andrade, J. M. (2022). Association between dietary habits, food attitudes, and food security status of us adults since March 2020: A cross-sectional online study. *Nutrients*, 14(21), #4636.
- Binelli, M., Silva, F., Rocha, C. C., Martins, T., Sponchiado, M., Van Hoeck, V., Cordeiro, A., Campbell, M., Leroy, J., Penagaricano, F., & Pugliesi, G. (2022). Endometrial receptivity in cattle: The mutual reprogramming paradigm. *Animal Reproduction*, 19(4), #e20220097.
- Bir, C., Lai, J., Thompson, N. M., & Widmar, N. O. (2022). Evaluating the inclusion of words and/or pictures in best-worst scaling experiments. *Journal of International Food & Agribusiness Marketing*, 34(4), 343-367.
- Birkenbach, A. M., Cojocar, A. L., Smith, M. D., & Asche, F. (2022). Discrete choice modeling of fishers' landing locations. *Marine Resource Economics*, 37(3), 235-262.
- Bishop, P., Pitts, E. R., Budner, D., & Thompson-Witrick, K. A. (2022). Chemical composition of kombucha. *Beverages*, 8(3), #45.
- Bishop, P., Pitts, E. R., Budner, D., & Thompson-Witrick, K. A. (2022). Kombucha: Biochemical and microbiological impacts on the chemical and flavor profile. *Food Chemistry Advances*, 1, #100025.
- Bisinotto, R. S., Ribeiro, E. S., Greco, L. F., Taylor-Rodriguez, D., Ealy, A. D., Ayres, H., Lima, F. S., Martinez, N., Thatcher, W. W., & Santos, J. E. P. (2022). Effects of progesterone concentrations and follicular wave during growth of the ovulatory follicle on conceptus and endometrial transcriptome in dairy cows. *Journal of Dairy Science*, 105(1), 889-903.
- Bizzio, L. N., Tieman, D., & Munoz, P. R. (2022). Branched-chain volatiles in fruit: A molecular perspective. *Frontiers in Plant Science*, 12, #814318.
- Black, T. V., Quaglia, A. I., Wisely, S., & Burkett-Cadena, N. (2022). Field comparison of removed substrate sampling and emergence traps for estimating *Culicoides* orbivirus vectors in northern Florida. *Journal of Medical Entomology*, 59(5), 1660-1668.
- Bloch, M., Helmick, E. E., & Bahder, B. (2022). Differentiation of palm-infecting phytoplasmas in the Caribbean basin using high resolution melt curve analysis of the *secA* gene. *Plant Diseases*, 106(9), 2480-2489.
- Blore, K., Baldwin, R., Batich, C. D., Koehler, P., Pereira, R., Jack, C. J., Qualls, W. A., & Xue, R. D. (2022). Efficacy of metal nanoparticles as a control tool against adult mosquito vectors: A review. *Frontiers in Tropical Diseases*, 3, #969299.



- Boakye, D. A., & Alferez, F. (2022). Fruit yield in sweet orange trees under huanglongbing (HLB) conditions is influenced by reproductive phenological characteristics of the scion-rootstock combination. *Agriculture*, 12(11), #1750.
- Bocsanczy, A. M., Bonants, P., van der Wolf, J., Bergsma-Vlami, M., & Norman, D. J. (2022). Identification of candidate type 3 effectors that determine host specificity associated with emerging *Ralstonia pseudosolanacearum* strains. *European Journal of Plant Pathology*, 163(1), 35-50.
- Bodaghi, S., Meyering, B., Bowman, K. D., & Albrecht, U. (2022). Different sweet orange-rootstock combinations infected by *Candidatus Liberibacter asiaticus* under greenhouse conditions: Effects on the scion. *HortScience*, 57(1), 144-153.
- Bodaghi, S., Pugina, G., Meyering, B., Bowman, K. D., & Albrecht, U. (2022). Different sweet orange-rootstock combinations infected by *Candidatus Liberibacter asiaticus* under greenhouse conditions: Effects on the roots. *HortScience*, 57(1), 56-64.
- Boeri, P. A., Unruh, J. B., Kenworthy, K. E., Trenholm, L. E., & Rios, E. F. (2021). Herbicide options to manage novel turf-type bahiagrass (*Paspalum notatum*). *Weed Technology*, 35(6), 886-893.
- Boeri, P. A., Unruh, J. B., Kenworthy, K. E., Trenholm, L. E., & Rios, E. F. (2022). Aboveground and belowground traits of turf-type bahiagrass (*Paspalum notatum* Flüggé) genotypes under simulated drought. *International Turfgrass Society Research Journal*, 14(1), 276-287.
- Boggess, C. M., Baruzzi, C., Alexander, H. D., Strickland, B. K., & Lashley, M. A. (2022). Exposure to fire affects acorn removal by altering consumer preference. *Forest Ecology and Management*, 508, #120044.
- Bohaboy, E. C., Cass-Calay, S. L., & Patterson, W. F. (2022). Fine-scale movement of northern Gulf of Mexico red snapper and gray triggerfish estimated with three-dimensional acoustic telemetry. *Scientific Reports*, 12(1), #14274.
- Bohaboy, E. C., Goethel, D. R., Cass-Calay, S. L., & Patterson, W. F. (2022). A simulation framework to assess management trade-offs associated with recreational harvest slots, discard mortality reduction, and bycatch accountability in a multi-sector fishery. *Fisheries Research*, 250, #106268.
- Bojko, J., Burgess, A. L., Allain, T. W., Ross, E. P., Pharo, D., Kreuze, J. F., & Behringer, D. C. (2022). Pathology and genetic connectedness of the mangrove crab (*Aratus pisonii*) – A foundation for understanding mangrove disease ecology. *Animal Diseases*, 2(1), #8.
- Bojko, J., Walters, E., Burgess, A., & Behringer, D. C. (2022). Rediscovering “Baculovirus-A” (Johnson, 1976): The complete genome of ‘*Callinectes sapidusnudivir*’. *Journal of Invertebrate Pathology*, 194, #107822.

- Bonkowski, J., Crow, W. T., & Habteweld, A. (2022). First report of *Belonolaimus longicaudatus* infecting soybean in Indiana. *Journal of Nematology*, *54*(1), #e2022-1.
- Boone, W. W., Albrecht, A. A., Conrad, J. R., Lechowicz, C. J., Hellgren, E. C., & McCleery, R. A. (2022). Shrub encroachment threatens persistence of an endemic insular wetland rodent. *Journal of Mammalogy*, *103*(5), 1182-1193.
- Boote, K. J., Adesogan, A. T., Balehegn, M., Duncan, A., Muir, J. P., Dubeux, J. C. B., & Rios, E. F. (2022). Fodder development in sub-Saharan Africa: An introduction. *Agronomy Journal*, *114*(1), 1-7.
- Borden, J. B., Bohlman, S., & Scheffers, B. R. (2022). Niche lability mitigates the impact of invasion but not urbanization. *Oecologia*, *198*(1), 1-10.
- Borden, J. B., San Antonio, K. M., Tomat-Kelly, G., Clark, T., & Flory, S. L. (2022). Invasive grass indirectly alters seasonal patterns in seed predation. *Biology Letters*, *18*(6), #20220095.
- Borden, M. A., Benda, N. D., Bean, E. Z., & Dale, A. G. (2022). Effects of soil mitigation on lawn-dwelling invertebrates following residential development. *Journal of Urban Ecology*, *8*(1), #juac025.
- Borgmeier, A., Gattoni, K., Harris, T., Higgins, R., Mullin, P., Porazinska, D., Powers, K., Wedin, D., & Powers, T. (2022). Plectus of the prairie: A case study of taxonomic resolution from a nematode biodiversity survey. *Journal of Nematology*, *54*(1), #e2022-1.
- Botta, R., Borsum, J. S., Camp, E. V., Court, C. D., & Frederick, P. (2022). Short-term economic impacts of ecological restoration in estuarine and coastal environments: A case study of Lone Cabbage Reef. *Restoration Ecology*, *30*(1), #e13462.
- Bowden, Z. B., Telg, R. W., & Lundy, L. K. (2022). Characteristics and motivational factors of American equine journalists. *Journal of Applied Communications*, *106*(1), #3.
- Bowers, K., Hight, S. D., Wheeler, G. S., & Minter, C. R. (2022). Ecological host range of *Pseudophilothrips ichini* (Thysanoptera: Phlaeothripidae), a biological control agent of Brazilian peppertree, *Schinus terebinthifolia*. *Biological Control*, *172*, #104976.
- Boyd, N. S., Moretti, M. L., Sosnoskie, L. M., Singh, V., Kanissery, R., Sharpe, S., Besançon, T., Culpepper, S., Nurse, R., Hatterman-Valenti, H., Mosqueda, E., Robinson, D., Cutulle, M., & Sandhu, R. (2022). Occurrence and management of herbicide resistance in annual vegetable production systems in North America. *Weed Science*, *70*(5), 515-528.
- Boyd, N. S., & Reuss, L. (2022). Survey of weed flora and weed management practices in Florida strawberry fields. *Weed Science*, *70*(3), 353-360.
- Braga, P. L. M., Borges, S. H., Peres, C. A., Loiselle, B. A., Blake, J. G., Menger, J., Bueno, A. S., Anciães, M., Teófilo, F. H., Maximiano, M. F. A., Souza, A. H. N., Boss, R. L., & Baccaro, F. B. (2022). Connecting Amazonian historical biogeography and local

- assemblages of understory birds: Recurrent guild proportionality within areas of endemism. *Journal of Biogeography*, 49(2), 324-338.
- Branco, S., Schauster, A., Liao, H. L., & Ruytinx, J. (2022). Mechanisms of stress tolerance and their effects on the ecology and evolution of mycorrhizal fungi. *New Phytologist*, 235(6), 2158-2175.
- Brandt, L. A., Jennings, N. D., Squires, M. A., Hackett, C., Smith, C. D., & Mazzotti, F. J. (2022). Hematology and biochemistry reference intervals for american alligator (*Alligator mississippiensis*) in South Florida, USA. *Journal of Wildlife Diseases*, 58(2), 457-464.
- Braswell, A. E., Leyk, S., Connor, D. S., & Uhl, J. H. (2022). Creeping disaster along the U.S. coastline: Understanding exposure to sea level rise and hurricanes through historical development. *PLOS ONE*, 17(8), #e0269741.
- Brawner, J. T., Sunarti, S., Nirsatmanto, A., Indrayadi, H., Tarigan, M., Yulianto, M., Rahayu, S., Hardiyanto, E. B., Glen, M., Mohammed, C., & Rimbawanto, A. (2022). Screening clonally replicated *Acacia mangium* breeding populations for tolerance to *Ceratocystis canker* and wilt disease. *Tree Genetics and Genomes*, 18(2), #17.
- Brégeon, D., Pecqueur, L., Toubdji, S., Sudol, C., Lombard, M., Fontecave, M., De Crécy-Lagard, V., Motorin, Y., Helm, M., & Hamdane, D. (2022). Dihydrouridine in the transcriptome: New life for this ancient RNA chemical modification. *ACS chemical biology*, 17(7), 1638-1657.
- Breton, T. S., Murray, C. A., Huff, S. R., Phaneuf, A. M., Tripp, B. M., Patuel, S. J., Martyniuk, C. J., & DiMaggio, M. A. (2022). Phoenixin-14 alters transcriptome and steroid profiles in female green-spotted puffer (*Dichotomyctere nigroviridis*). *Scientific Reports*, 12, #9454.
- Brewer, M. J., Elliott, N. C., Esquivel, I. L., Jacobson, A. L., Faris, A. M., Szczepaniec, A., Elkins, B. H., Gordy, J. W., Pekarick, A. J., Wang, H. H., Koralewski, T. E., Giles, K. L., Jessie, C. N., & Grant, W. E. (2022). Natural enemies, mediated by landscape and weather conditions, shape response of the sorghum agroecosystem of North America to the invasive aphid *Melanaphis sorghi*. *Frontiers in Insect Science*, 2, #830997.
- Brewer, S. E., & Chambers, A. H. (2022). CRISPR/Cas9-mediated genome editing of phytoene desaturase in *Carica papaya* L. *Journal of Horticultural Science and Biotechnology*, 97(5), 580-592.
- Bridgemohan, R. S. H., Deitch, M. J., Bachoon, D., Ramsubhag, A., & Bridgemohan, P. (2022). Detection of *Campylobacter jejuni* presence in Trinidad's aquatic environments. *Water, Air, and Soil Pollution*, 233(6), #215.
- Briggs-Gonzalez, V., Evans, P., Klovanish, C., & Mazzotti, F. J. (2022). A species bioprofile for the asian water monitor (*Varanus salvator*). *Southeastern Naturalist*, 21(3), 187-210.

- Brinton, A., Diehl, D. C., Townsend, T. G., Quiñones, K. D., & Lichtenstein, M. M. (2022). Trees, trash, and hurricanes: The case study of Puerto Rico and vegetative disaster debris management after Hurricanes Irma and Maria. *International Journal of Disaster Risk Reduction*, 82, #103298.
- Britt, K., Gebben, S., Levy, A., Achor, D., Sieburth, P., Stevens, K., Al Rwahnih, M., & Batuman, O. (2022). Analysis of citrus tristeza virus incidences within Asian citrus psyllid (*Diaphorina citri*) populations in Florida via high-throughput sequencing. *Insects*, 13(3), #275.
- Britt-Ugartemendia, K., Turner, D., Sieburth, P., Batuman, O., & Levy, A. (2022). Survey and detection for citrus tristeza virus in Florida groves with an unconventional tool: The Asian citrus psyllid. *Frontiers in Plant Science*, 13, #1050650.
- Brockmeyer, R. E., Donnelly, M., Rey, J. R., & Carlson, D. B. (2022). Manipulating, managing and rehabilitating mangrove-dominated wetlands along Florida's east coast (USA): Balancing mosquito control and ecological values. *Wetlands Ecology and Management*, 30(5), 987-1005.
- Broders, K., Iriarte-Broders, G., Bergstrom, G. C., Byamukama, E., Chilvers, M., Cruz, C., Dalla-Lana, F., Duray, Z., Malvick, D., Mueller, D., Paul, P., Plewa, D., Raid, R., Robertson, A. E., Salgado-Salazar, C., Smith, D., Telenko, D., VanEtten, K., & Kleczewski, N. M. (2022). *Phyllachora* species infecting maize and other grass species in the Americas represents a complex of closely related species. *Ecology and Evolution*, 12(4), #e8832.
- Brown, A. L., Anastasiou, D. E., Schul, M., MacVittie, S., Spiers, L. J., Meyer, J. L., Manfrino, C., & Frazer, T. K. (2022). Mixtures of genotypes increase disease resistance in a coral nursery. *Scientific Reports*, 12(1), #19286.
- Brown, M. T., Viglia, S., Love, D., Asche, F., Nussbaumer, E., Fry, J., Hilborn, R., & Neff, R. (2022). Quantifying the environmental support to wild catch Alaskan sockeye salmon and farmed Norwegian Atlantic salmon: An emergy approach. *Journal of Cleaner Production*, 369, #133379.
- Bruno, S., Landi, V., Senczuk, G., Brooks, S. A., Almathen, F., Faye, B., Gaouar, S. S. B., Piro, M., Kim, K. S., David, X., Eggen, A., Burger, P., & Ciani, E. (2022). Refining the *Camelus dromedarius* myostatin gene polymorphism through worldwide whole-genome sequencing. *Animals*, 12(16), #2068.
- Brym, M., Fu, Y., Frade, N., Baldwin, E., & Chambers, A. H. (2022). Strawberry cultivar trials for yield and fruit quality in subtropical southern Florida. *HortTechnology*, 32(4), 388-390.
- Buček, A., Wang, M., Šobotník, J. X., Hellemans, S., Sillam-Dussès, D., Mizumoto, N., Stiblík, P., Clitheroe, C., Lu, T., González Plaza, J., Mohagan, A., Rafanomezantsoa, J. J., Fisher, B., Engel, M. X., Roisin, Y., Evans, T., Scheffrahn, R., & Bourguignon, T. (2022).

- Molecular phylogeny reveals the past transoceanic voyages of drywood termites (Isoptera, Kalotermitidae). *Molecular Biology and Evolution*, 39(5), #msac093.
- Buddenhagen, C. E., Xing, Y., Andrade-Piedra, J. L., Forbes, G. A., Kromann, P., Navarrete, I., Thomas-Sharma, S., Choudhury, R. A., Andersen Onofre, K. F., Schulte-Geldermann, E., Etherton, B. A., Plex Sulá, A. I., & Garrett, K. A. (2022). Where to invest project efforts for greater benefit: A framework for management performance mapping with examples for potato seed health. *Phytopathology*, 112(7), 1431-1443.
- Buhlman, J. L., Freshour, S. L., Harriman, R. W., Koch, M. J., Unruh, J. B., van Santen, E., Williams, K. E., Yuriscic, C. A., & Kenworthy, K. E. (2022). Mowing frequency and performance of genetically modified St. Augustinegrass and standard commercial cultivars. *International Turfgrass Society Research Journal*, 14(1), 652-662.
- Bui, H. X., & Desaegeer, J. A. (2022). Susceptibility and host potential of six cucurbit crops to *Meloidogyne enterolobii*, *M. floridensis*, *M. hapla*, *M. incognita* and *M. javanica*. *Nematology*, 24(10), 1121-1130.
- Bui, H. X., Gu, M., Riva, G., & Desaegeer, J. A. (2022). *Meloidogyne* spp. infecting asian vegetables in central Florida, USA. *Nematropica*, 52(1), 56-63.
- Bukomba, J., & Lusk, M. G. (2022). Spatial variability in inorganic soil nitrogen production in a mixed-vegetation urban landscape. *Nitrogen*, 3(1), 118-127.
- Bullard, S. A., Moravec, F., Ksepka, S. P., Warren, M. B., Dutton, H. R., Huffman, D. G., & Yanong, R. P. E. (2022). *Huffmanella* cf. *huffmanii* (Nematoda: Trichosomoididae) infecting swim bladder, peritoneum, and gonad of variable platyfish, *Xiphophorus variatus* (Cyprinodontiformes: Poeciliidae) and eastern mosquitofish, *Gambusia holbrooki* (Poeciliidae) in Florida; taxonomy, phylogenetic analysis, and pathological changes. *Parasitology Research*, 121(8), 2307-2323.
- Bultemeier, B. W., Atkinson, M., Harlow, E., & Hyatt, D. (2022). Tips for successful web-based training. *Journal of Pesticide Safety Education*, 24, 1-14.
- Burgess, E. R., Lopez, K., Irwin, P., Jaeger, C. P., & Estep, A. S. (2022). Assessing pyrethroid resistance status in the *Culex pipiens* complex (Diptera: Culicidae) from the northwest suburbs of Chicago, Illinois using Cox regression of bottle bioassays and other detection tools. *PLOS ONE*, 17(6), #e0268205.
- Burke, K. C., do Nascimento-Emond, S., Hixson, C. L., & Miller-Cushon, E. K. (2022). Social networks respond to a disease challenge in calves. *Scientific Reports*, 12, #9119.
- Burkett-Cadena, N. D. (2022). First records of species of the *Spissipes* Section (*Culex* (*Melanoconion*)) (Diptera, Culicidae) in Guainía Department, Colombia. *Check List*, 18(3), 721-724.

- Burkett-Cadena, N. D., Blosser, E. M., & Reeves, L. E. (2022). Key to the adult females of species of *Culex* subgenus *Melanoconion* in Florida, USA. *Journal of the American Mosquito Control Association*, 38(3), 130-140.
- Burkett-Cadena, N. D., Day, J. F., & Unnasch, T. R. (2022). Ecology of eastern equine encephalitis virus in the southeastern United States: Incriminating vector and host species responsible for virus amplification, persistence, and dispersal. *Journal of Medical Entomology*, 59(1), 41-48.
- Buron, R., Hostetler, M. E., & Andreu, M. (2022). Urban forest fragments vs residential neighborhoods: Urban habitat preference of migratory birds. *Landscape and Urban Planning*, 227, #104538.
- Burton, D., O'Neal, L., Yelland, E., Stluka, S., & Rennekamp, R. (2022). Cooperative extension in urban America: Place-based approaches for improving health. *Journal of Human Sciences and Extension*, 10(2), #6.
- Büttner, O., Jawitz, J. W., Birk, S., & Borchardt, D. (2022). Why wastewater treatment fails to protect stream ecosystems in Europe. *Water Research*, 217, #118382.
- Button, S. T., Greenberg, C. H., & Austin, J. D. (2022). Recruitment patterns and potential climate change impacts on three Florida hylids with different life histories. *Diversity*, 14(2), #129.
- Button, S. T., Greenberg, C. H., & Austin, J. D. (2022). Temporal partitioning of hatching, maturation, and surface activity by reptiles in Florida longleaf pine-wiregrass sandhills. *The Herpetological Journal*, 32(3), 130-141.
- Byrd-Bredbenner, C., Santiago, E., Eck, K. M., Delaney, C. L., Quick, V. M., Pozzoli, A., Worobey, J., Shelnett, K. P., & Olfert, M. D. (2022). HomeStyles-2: Randomized controlled trial protocol for a web-based obesity prevention program for families with children in middle childhood. *Contemporary Clinical Trials*, 112, #106644.
- Cai, K., Zhao, Y., Kang, Z., Ma, R., Wright, A. L., & Jiang, X. (2022). Pyrolysis-assisted transesterification for accurate quantification of phospholipid fatty acids: Application to microbial community analysis in 1000-years paddy soil chronosequence. *Geoderma*, 406, #115504.
- Cai, L., Jain, M., Munoz-Bodnar, A., Huguet-Tapia, J. C., & Gabriel, D. W. (2022). A synthetic 'essentialome' for axenic culturing of '*Candidatus Liberibacter asiaticus*'. *BMC Research Notes*, 15(1), #125.
- Cai, Q., Tian, L., Xie, J. T., Jiang, D. H., & Keyhani, N. O. (2022). Contributions of a histone deacetylase (SirT2/Hst2) to *Beauveria bassiana* growth, development, and virulence. *Journal of Fungi*, 8(3), #236.

- Cai, Q., Wang, J., Xie, J., Jiang, D., & Keyhani, N. O. (2022). The elongator subunit Elp3 regulates development, stress tolerance, cell cycle, and virulence in the entomopathogenic fungus *Beauveria bassiana*. *Journal of Fungi*, 8(8), #834.
- Caiafa, M. V., & Smith, M. E. (2022). Polyphyly, asexual reproduction and dual trophic mode in *Buchwaldoboletus*. *Fungal Ecology*, 56, #101141.
- Caillouet, O., Harder, A., Roberts, T. G., Bunch, J. C., & Radunovich, H. (2022). An exploration of the transformational factors affecting the performance of intercollegiate extension programs. *NACTA Journal*, 66, 103-112.
- Caillouet, O., Harder, A., Roberts, T. G., Bunch, J. C., & Radunovich, H. (2022). Transactional factors influencing the implementation of intercollegiate extension programs at U.S. land-grant universities. *Advancements in Agricultural Development*, 3(3), 63-76.
- Callaghan, C. T., Bowler, D. E., Blowes, S. A., Chase, J. M., Lyons, M. B., & Pereira, H. M. (2022). Quantifying effort needed to estimate species diversity from citizen science data. *Ecosphere*, 13(4), #e3966.
- Calle, M., Watson, A., Lai, J., & Porter, W. A. (2022). Opportunity alertness, risk-taking and diversification by small-and medium-sized farmers. *Journal of Developmental Entrepreneurship*, 27(2), #2250015.
- Callister, A. N., Bermann, M., Elms, S., Bradshaw, B. P., Lourenco, D., & Brawner, J. T. (2022). Accounting for population structure in genomic predictions of *Eucalyptus globulus*. *G3: Genes, Genomes, Genetics*, 12(9), #jkac180.
- Calvert, M. B., Doellman, M. M., Feder, J. L., Hood, G. R., Meyers, P., Egan, S. P., Powell, T. H. Q., Glover, M. M., Tait, C., Schuler, H., Berlocher, S. H., Smith, J. J., Nosil, P., Hahn, D. A., & Ragland, G. J. (2022). Genomically correlated trait combinations and antagonistic selection contributing to counterintuitive genetic patterns of adaptive diapause divergence in *Rhagoletis* flies. *Journal of Evolutionary Biology*, 35(1), 146-163.
- Camelo, D., Dubeux, J. C. B., Lira, M. A., Santos, M. V. F., Fracetto, G. G. M., Fracetto, F. J. C., Alves, F. A. L., Freitas, E. V., Pessoa, D. V., & Soares, G. S. C. (2022). Soil carbon and nitrogen stocks in semi-arid agroforestry systems integrating forage cactus and tree legumes. *Acta Horticulturae*, 1343, 103-108.
- Camillo, C. S., Valenzuela, N., & Johnson, S. A. (2022). Effects of semi-constant temperature on embryonic and hatchling phenotypes of six-tubercled Amazon River turtles, *Podocnemis sextuberculata*. *Journal of Thermal Biology*, 108, #103292.
- Cammarano, D., Jamshidi, S., Hoogenboom, G., Ruane, A. C., Niyogi, D., & Ronga, D. (2022). Processing tomato production is expected to decrease by 2050 due to the projected increase in temperature. *Nature Food*, 3(6), 437-444.

- Campbell, C. G., Papanek, A., DeLong, A., Diaz, J., Gusto, C., & Tropp, D. (2022). Community food systems resilience: Values, benefits, and indicators. *Journal of Agriculture, Food Systems, and Community Development*, 11(4), 89–113.
- Campbell, C. G., Ruiz-Menjivar, J., & DeLong, A. (2022). Commercial urban agriculture in Florida: Needs, opportunities, and barriers. *HortTechnology*, 32(4), 331-341.
- Campbell, L. P., Guralnick, R. P., Giordano, B. V., Sallam, M. F., Bauer, A. M., Tavares, Y., Allen, J. M., Efstathion, C., Bartlett, S., Wishard, R., Xue, R. D., Allen, B., Tressler, M., Qualls, W., & Burkett-Cadena, N. D. (2022). Spatiotemporal modeling of zoonotic arbovirus transmission in northeastern Florida using sentinel chicken surveillance and earth observation data. *Remote Sensing*, 14(14), #3388.
- Campbell, S. M., Pearson, B. J., & Marble, C. S. (2022). Substrate temperature and seed scarification on germination parameters of butterfly pea (*Clitoria ternatea* L.). *Journal of Horticulture and Forestry*, 14(4), 49-55.
- Campbell-Martínez, G. E., Steppe, C., Wilson, S. B., Ball, M., & Peterson, C. (2022). Effects of temperature, seed provenance, and substrate on germination of the endemic and threatened Paper nailwort (*Paronychia chartacea* ssp. *chartacea*). *Florida Scientist*, 85(1), 1-9.
- Campbell-Martínez, G. E., Steppe, C., Wilson, S. B., Thetford, M., & Miller, D. (2022). Effect of temperature, light, and seed provenance on germination of *Paronychia erecta* (squareflower): A native plant with ornamental potential. *Native Plants Journal*, 23(1), 56-64.
- Campbell-Martínez, G. E., Thetford, M., & Miller, D. (2022). Germination response of three Florida panhandle coastal dune plants to salinity. *Journal of Coastal Research*, 38(3), 585-591.
- Campos, J. N. D., Rabelo, M. M., Bann, P. L., Unruh, J. B., & de Paula-Moraes, S. V. (2022). Insecticide efficacy against tropical sod webworm in concentration-mortality bioassay, 2. *Arthropod Management Tests*, 47(1), #tsac009.
- Campos, K. B., Alomar, A. A., Eastmond, B. H., Obara, M. T., & Alto, B. W. (2022). Brazilian populations of *Aedes aegypti* resistant to pyriproxyfen exhibit lower susceptibility to infection with Zika virus. *Viruses*, 14(10), #2198.
- Campos, M., Acuña, J. J., Rilling, J. I., González–González, S., Peña–Cortés, F., Jaisi, D. P., Hollenback, A., Ogram, A., Bai, J. H., Zhang, L., Xiao, R., & Jorquera, M. A. (2022). Spatiotemporal distributions and relationships of phosphorus content, phosphomonoesterase activity, and bacterial phosphomonoesterase genes in sediments from a eutrophic brackish water lake in Chile. *Journal of environmental management*, 320, #115906.



- Canavan, S., Brym, Z. T., Brundu, G., Dehnen-Schmutz, K., Lieurance, D., Petri, T., Wadlington, W. H., Wilson, J. R. U., & Flory, S. L. (2022). Cannabis de-domestication and invasion risk. *Biological Conservation*, 274, #109709.
- Canella Vieira, C., Jarquin, D., do Nascimento, E. F., Lee, D., Zhou, J., Smothers, S., Diers, B., Riechers, D. E., Xu, D., Shannon, G., Chen, P., & Nguyen, H. T. (2022). Identification of genomic regions associated with soybean responses to off-target dicamba exposure. *Frontiers in Plant Science*, 13, #1090072.
- Canella Vieira, C., Persa, R., Chen, P., & Jarquin, D. (2022). Incorporation of soil-derived covariates in progeny testing and line selection to enhance genomic prediction accuracy in soybean breeding. *Frontiers in Genetics*, 13, #905824.
- Canella Vieira, C., Zhou, J., Cross, C., Heiser, J. W., Diers, B., Riechers, D. E., Zhou, J., Hernandez Jarquin, D., Nguyen, H., Shannon, J. G., & Chen, P. (2022). Differential responses of soybean genotypes to off-target dicamba damage. *Crop Science*, 62(4), 1472-1483.
- Cangiano, L. R., Henry, D. D., Ciriaco, F. M., Quintela, J. C., Dilorenzo, N., & Ipharraguerre, I. R. (2022). Triterpenes from *Olea europaea* modulate in vitro ruminal fermentation. *Translational Animal Science*, 6(2), #txac056.
- Canton, M., Wu, H., Dutt, M., & Zale, J. (2022). A new liquid selection system for mature citrus transformation. *Scientia Horticulturae*, 293, #110672.
- Cantrell, R., Vasquez, K., & Leal, M. (2022). Comparing a theoretical academic model against a training program dataset to propose an applied model. *SN Social Sciences*, 2(12), #273.
- Cao, J., Hochmair, H. H., & Basheeh, F. (2022). The effect of Twitter app policy changes on the sharing of spatial information through Twitter users. *Geographies*, 2(3), 549-562.
- Cao, L., Zhang, X., Xu, Y., Xiang, W., Wang, R., Ding, F., Hong, P., & Gao, B. (2022). Straw and wood based biochar for CO<sub>2</sub> capture: Adsorption performance and governing mechanisms. *Separation and Purification Technology*, 287, #120592.
- Caragata, E. P., & Short, S. M. (2022). Vector microbiota and immunity: Modulating arthropod susceptibility to vertebrate pathogens. *Current Opinion in Insect Science*, 50, #100875.
- Carcedo, A. J. P., Mayor, L., Demarco, P., Morris, G. P., Lingenfelter, J., Messina, C. D., & Ciampitti, I. A. (2022). Environment characterization in sorghum (*Sorghum bicolor* L.) by modeling water-deficit and heat patterns in the Great Plains Region, United States. *Frontiers in Plant Science*, 13, #768610.
- Cardoso, A. d. S., Silveira, M. L., Kohmann, M. M., Vendramini, J. M. B., Sellers, B., Baldo, A., & Sekiya, B. M. S. (2022). Bahiagrass and soil responses to lime sources and application levels. *Agronomy Journal*, 114(6), 3183-3192.

- Cardoso, P. H. S., Neto, A. D., Oliveira, F. C., Tomazello-Filho, M., Guedes, F. T. P., Alvares, C. A., Stape, J. L., Nogueira, T. A. R., Capra, G. F., Jani, A. D., He, Z., & Abreu-Junior, C. H. (2022). Fertilization management with sewage sludge sustains *Eucalyptus* productivity in Cerrado infertile soil. *Forest Ecology and Management*, 519, #120338.
- Carlson, A. K., & Hoyer, M. V. (2022). Redear sunfish occurrence, abundance, growth, and size structure as related to abiotic and biotic factors in Florida lakes. *North American Journal of Fisheries Management*, 42(3), 775-786.
- Carman, K., O'Neal, L. J., Byrd-Bredbenner, C., Olfert, M. D., & Shelnutt, K. P. (2022). HomeStyles-2 for SNAP-Ed families with children in middle childhood: Cluster randomized trial protocol. *Contemporary Clinical Trials*, 117, #106771.
- Carmickle, A. T., Larson, C. C., Hernandez, F. S., Pereira, J. M. V., Ferreira, F. C., Haimon, M. L. J., Jensen, L. M., Hansen, P. J., & Denicol, A. C. (2022). Physiological responses of Holstein calves and heifers carrying the SLICK1 allele to heat stress in California and Florida dairy farms. *Journal of Dairy Science*, 105(11), 9216-9225.
- Carpenter, B. G., Sieving, K. E., Terhune, T., Picardi, S., Griffith, A., Sheilds, R., & Pittman, H. T. (2022). Linking wild turkey hen movement data to nesting behavior. *Wildlife Society Bulletin*, 46(2), #e1267.
- Carrascal-Triana, E. L., Zolini, A. M., de King, A. R., Penitente-Filho, J. M., Hansen, P. J., Torres, C. A. A., & Block, J. (2022). Effect of addition of ascorbate, dithiothreitol or a caspase-3 inhibitor to cryopreservation medium on post-thaw survival of bovine embryos produced in vitro. *Reproduction in Domestic Animals*, 57(9), 1074-1081.
- Carriglio, J., Budner, D., & Thompson-Witrick, K. A. (2022). Comparison review of the production, microbiology, and sensory profile of lambic and American coolship ales. *Fermentation*, 8(11), #646.
- Carriglio, J. C., & MacIntosh, A. J. (2022). Comparison of kveik with conventional saccharomyces brewing strains for propagation characteristics, biomass production, and biomass conversion rate. *Master Brewers Association of the Americas*, 59(3), 125-128.
- Carvalho, D. O., Morreale, R., Stenhouse, S., Hahn, D. A., Gomez, M., Lloyd, A., & Hoel, D. (2022). A sterile insect technique pilot trial on Captiva island: Defining mosquito population parameters for sterile male releases using mark–release–recapture. *Parasites and Vectors*, 15(1), #402.
- Carvalho, R., Albu, S., Timilsina, S., Minsavage, G. V., Paret, M. L., & Jones, J. B. (2022). *Pseudomonas californiensis* sp. nov. and *Pseudomonas quasicaspiana* sp. nov., isolated from ornamental crops in California. *International Journal of Systematic and Evolutionary Microbiology*, 72(11), #005565.
- Casaro, S., Marrero, M. G., Madrid, D. M. C., Prim, J. G., Nelson, C. D., Galvão, K. N., Laporta, J., & Driver, J. P. (2022). Flow cytometry panels for immunophenotyping dairy cattle

- peripheral blood leukocytes. *Veterinary Immunology and Immunopathology*, 248, #3110417.
- Casteel, J. L., Moore, J. F., Pine, W. E., & Johnston, G. R. (2022). Analysis of methods to estimate abundance of River Cooters, *Pseudemys concinna*: An example from the Santa Fe River, Florida. *Ichthyology & Herpetology*, 110(2), 354-363.
- Castellano-Hinojosa, A., Boyd, N. S., & Strauss, S. L. (2022). Impact of fumigants on non-target soil microorganisms: A review. *Journal of Hazardous Materials*, 427, #128149.
- Castellano-Hinojosa, A., Martens-Habbena, W., Smyth, A. R., Kadyampakeni, D. M., & Strauss, S. L. (2022). Short-term effects of cover crops on soil properties and the abundance of N-cycling genes in citrus agroecosystems. *Applied Soil Ecology*, 172, #104341.
- Castellano-Hinojosa, A., Martens-Habbena, W., & Strauss, S. L. (2022). Cover crop composition driven changes in the abundance and diversity of nitrifiers and denitrifiers on citrus orchards with critical effects on N<sub>2</sub>O emissions. *Geoderma*, 422, #115952.
- Castellano-Hinojosa, A., Mora, C., & Strauss, S. L. (2022). Native rhizobia improve plant growth, fix N<sub>2</sub>, and reduce greenhouse emissions of sunnhemp more than commercial rhizobia inoculants in Florida citrus orchards. *Plants*, 11(22), #3011.
- Castellano-Hinojosa, A., Noling, J. W., Bui, H. X., Desaegeer, J. A., & Strauss, S. L. (2022). Effect of fumigants and non-fumigants on nematode and weed control, crop yield, and soil microbial diversity and predicted functionality in a strawberry production system. *Science of the Total Environment*, 852, #158285.
- Castelló y Tickell, S., Low, N. H. N., Lamb, R. W., Brandt, M., & Witman, J. D. (2022). Distribution and feeding ecology of sea stars in the Galápagos rocky subtidal zone. *Journal of Experimental Marine Biology and Ecology*, 553, #151754.
- Castellón, T. D., Deyle, A. C., Farmer, A. L., Bauder, J. M., Roznik, E. A., & Johnson, S. A. (2022). Effects of translocation on gopher frog survival and movement. *Herpetologica*, 78(3), 161-168.
- Castillo, J., Roda, A., Qureshi, J., Pérez-Hedo, M., Urbaneja, A., & Stansly, P. (2022). Sesame as an alternative host plant to establish and retain predatory mirids in open-field tomatoes. *Plants*, 11(20), #2779.
- Castillo-Argaez, R., Vazquez, A., Konkol, J. L., Vargas, A. I., Ploetz, R. C., & Schaffer, B. (2022). Laurel wilt susceptibility of three avocado (*Persea americana* Mill.) ecotypes in relation to xylem anatomy, sap flow and leaf gas exchange. *Trees - Structure and Function*, 36(5), 1649-1663.
- Cavani, L., Poindexter, M. B., Nelson, C. D., Santos, J. E. P., & Peñagaricano, F. (2022). Gene mapping, gene-set analysis, and genomic prediction of postpartum blood calcium in Holstein cows. *Journal of Dairy Science*, 105(1), 525-534.

- Chabert, S., Mallinger, R. E., Sénéchal, C., Fougeroux, A., Geist, O., Guillemard, V., Leylaverigne, S., Malard, C., Pousse, J., & Vaissière, B. E. (2022). Importance of maternal resources in pollen limitation studies with pollinator gradients: A case study with sunflower. *Agriculture, Ecosystems and Environment*, 330, #107887.
- Chagas, P. C., Chagas, E. A., Crane, J. H., Vendrame, W., Chambers, A., Costa, B. N. S., & Neto, A. R. (2022). Effect of naphthalene acetic acid, gibberellic acid, and spray adjuvant alone or in conjunction with hand pollination on fruit set and quality of 'LeahReese' sugar apple (*Annona squamosa* L.). *Scientia Horticulturae*, 299, #111011.
- Chagas, P. C., Crane, J., Chagas, E. A., Vendrame, W., Costa, B. N. S., Neto, A. R., & De Moura, E. A. (2022). Determining the preliminary performance of selected Annonaceae cultivars in subtropical conditions. *Comunicata Scientiae*, 13, #3832.
- Chahal, K., Gazis, R., Klingeman, W., Lambdin, P., Grant, J., Windham, M., & Hadziabdic, D. (2022). Differential virulence among *Geosmithia morbida* isolates collected across the United States occurrence range of thousand cankers disease. *Frontiers in Forests and Global Change*, 5, #726388.
- Chamusco, K. C., Milazzo, M. N., Bhan, K. S., Kamps, T. L., Smith, P., Durojaiye, M., Moreira, C. D., Gallo, M., & Chase, C. D. (2022). Developmentally regulated mitochondrial biogenesis and cell death competence in maize pollen. *BMC Plant Biology*, 22(1), #508.
- Chang, H., Johnson, E., Khoo, C., Wang, W., & Gu, L. (2022). Cranberry juice polyphenols inhibited the formation of advanced glycation end products in collagens, inhibited advanced glycation end product-induced collagen crosslinking, and cleaved the formed crosslinks. *Journal of Agricultural and Food Chemistry*, 70(49), 15560-15569.
- Chang, L. Y., Sargent, S. A., Kim, J., & Brecht, J. K. (2022). Delaying ripening using 1-MCP reveals chilling injury symptom development at the putative chilling threshold temperature for mature green banana. *Frontiers in Plant Science*, 13, #966789.
- Chang, Y., Ahlawat, Y. K., Gu, T., Sarkhosh, A., & Liu, T. (2022). Transcriptional profiling of two muscadine grape cultivars "Carlos" and "Noble" to reveal new genes, gene regulatory networks, and pathways that involved in grape berry ripening. *Frontiers in Plant Science*, 13, #949383.
- Chang, Y., Harmon, P. F., Treadwell, D. D., Carrillo, D., Sarkhosh, A., & Brecht, J. K. (2022). Biocontrol potential of essential oils in organic horticulture systems: From farm to fork. *Frontiers in Nutrition*, 8, #805138.
- Chang, Y., Wang, Y., Mondo, S., Ahrendt, S., Andreopoulos, W., Barry, K., Beard, J., (+ 19 authors including Benny, G. L., Reynolds, N., Smith, M. E.), & Spatafora, J. W. (2022). Evolution of zygomycete secretomes and the origins of terrestrial fungal ecologies. *iScience*, 25(8), #104840.
- Chase, E. C., Ossiboff, R. J., Farrell, T. M., Childress, A. L., Lykins, K., Johnson, S. A., Thompson, N., & Walden, H. D. S. (2022). Rat lungworm (*Angiostrongylus cantonensis*)

- in the invasive Cuban treefrog (*Osteopilus septentrionalis*) in central Florida, USA. *Journal of Wildlife Diseases*, 58(2), 454-456.
- Chattha, W. S., Patishtan, J., Shafqat, W., & Maathuis, F. J. M. (2022). Shoot potassium content provides a physiological marker to screen cotton genotypes for osmotic and salt tolerance. *International Journal of Phytoremediation*, 24(4), 429-435.
- Chaudhary, V., Goswami, V. R., Jones, G., Toh, K. B., Tapi, T., Ri, C., Kéry, M., & Oli, M. K. (2022). Using population monitoring programs to detect changes in mammalian communities. *Biological Conservation*, 276, #109778.
- Chen, C., Judge, J., & Hulse, D. (2022). PyLUSAT: An open-source Python toolkit for GIS-based land use suitability analysis. *Environmental Modelling & Software*, 151, #105362.
- Chen, H., Gao, Y., Li, J., Fang, Z., Bolan, N., Bhatnagar, A., Gao, B., Hou, D., Wang, S., Song, H., Yang, X., Shaheen, S. M., Meng, J., Chen, W., Rinklebe, J., & Wang, H. (2022). Engineered biochar for environmental decontamination in aquatic and soil systems: A review. *Carbon Research*, 1(1), #4.
- Chen, J., Yue, F., & Kuang, S. (2022). Labeling and analyzing lipid droplets in mouse muscle stem cells. *STAR Protocols*, 3(4), #101849.
- Chen, J. H., Lai, O., Chen, X. Q., & Gao, Z. F. (2022). Effects of shared characteristics between eco-labels: A case for organic and local food. *International Journal of Consumer Studies*, 47(1), 285-298.
- Chen, K. H., Liao, H. L., Arnold, A. E., Korotkin, H. B., Wu, S. H., Matheny, P. B., & Lutzoni, F. (2022). Comparative transcriptomics of fungal endophytes in co-culture with their moss host *Dicranum scoparium* reveals fungal trophic lability and moss unchanged to slightly increased growth rates. *New Phytologist*, 234(5), 1832-1847.
- Chen, K. H., Marcón, F., Düringer, J., Blount, A., Mackowiak, C., & Liao, H. L. (2022). Leaf mycobiome and mycotoxin profile of warm-season grasses structured by plant species, geography, and apparent black-stroma fungal structure. *Applied and Environmental Microbiology*, 88(21), #e00942-22.
- Chen, L., Fabian-Wheeler, E. E., Cimbala, J. M., Hofstetter, D., & Patterson, P. (2022). Numerical simulation of airborne disease spread in cage-free hen housing with multiple ventilation options. *Animals*, 12(12), #1516.
- Chen, L. A., & House, L. (2022). The rise of the ghosts—The impact of the pandemic on food purchases. *Choices*, 37(2).
- Chen, L. J. A., & House, L. (2022). Food lifestyle patterns among contemporary food shoppers. *International Journal of Consumer Studies*, 46(3), 944-963.
- Chen, T. Y., Smartt, C. T., & Shin, D. (2021). Permethrin resistance in *Aedes aegypti* affects aspects of vectorial capacity. *Insects*, 12(1), #71.

- Chen, X. D., Qureshi, J. A., & Stelinski, L. L. (2022). Monitoring of *Diaphorina citri* populations from Florida reveals reduced susceptibility to cyantranilprole and thiamethoxam. *Journal of Applied Entomology*, 146(6), 725-733.
- Chen, X. D., Stockton, D., Gossett, H., Qureshi, J. A., Ibanez, F., Pelz-Stelinski, K. S., & Stelinski, L. L. (2022). Comparisons of economic thresholds for Asian citrus psyllid management suggest a revised approach to reduce management costs and improve yield. *Frontiers in Sustainable Food Systems*, 6, #948278.
- Chen, X. Q., Heng, Y., Gao, Z. F., & Jiang, Y. (2022). Impacts of duo-regional generic advertising of social media on consumer preference. *Agribusiness*, 38(1), 21-44.
- Chen, Y., Fang, T., Su, H., Duan, S., Ma, R., Wang, P., Wu, L., Sun, W., Hu, Q., Zhao, M., Sun, L., & Dong, X. (2022). A reference-grade genome assembly for *Astragalus mongholicus* and insights into the biosynthesis and high accumulation of triterpenoids and flavonoids in its roots. *Plant Communications*, 4, #100469.
- Chen, Z., Liu, Q., Chen, S., Zhang, S., Wang, M., Mujtaba Munir, M. A., Feng, Y., He, Z., & Yang, X. (2022). Roles of exogenous plant growth regulators on phytoextraction of Cd/Pb/Zn by *Sedum alfredii* Hance in contaminated soils. *Environmental Pollution*, 15(293), #118510.
- Cheng, Z. (2022). FoxO transcription factors in mitochondrial homeostasis. *Biochemical Journal*, 479(4), 525-536.
- Chickering, G. W., Krause, M. J., Inglett, K. S., & Townsend, T. G. (2022). Municipal solid waste biodegradability and methane potential: Influence of fiber content and elemental composition. *Environmental Engineering Science*, 39(1), 15-28.
- Chiruvelli, V. S. D. K. S., Sandhu, H. S., Cherry, R., & Odero, D. C. (2022). Influence of soil water content on growth and panicle production of fall panicum (*Panicum dichotomiflorum*). *Weed Technology*, 36(5), 678-684.
- Chitwood, M. C., Baruzzi, C., & Lashley, M. A. (2022). "Ecology of fear" in ungulates: Opportunities for improving conservation. *Ecology and Evolution*, 12(3), #e8657.
- Choi, C. J., Valiente, J., Schiavon, M., Dhillon, B., Crow, W. T., & Stingl, U. (2022). Bermudagrass cultivars with different tolerance to nematode damage are characterized by distinct fungal but similar bacterial and archaeal microbiomes. *Microorganisms*, 10(2), #457.
- Chouvenc, T. (2022). Eusociality and the transition from biparental to alloparental care in termites. *Functional Ecology*, 36(12), 3049-3059.
- Chouvenc, T. (2022). Not enough bugs, too many bugs—Scaling up. *American Entomologist*, 68(1), 32-33.

- Chouvenc, T., Ban, P. M., & Su, N. Y. (2022). Life and death of termite colonies, a decades-long age demography perspective. *Frontiers in Ecology and Evolution*, *10*, #911042.
- Ciobanu, D., Chan, S., Ahrendt, S., Quandt, C. A., Benny, G. L., Smith, M. E., James, T. Y., & Cheng, J. F. (2022). Protocol for single-cell isolation and genome amplification of environmental microbial eukaryotes for genomic analysis. *STAR Protocols*, *3*(1), #100968.
- Ciriaco, F. M., Henry, D. D., Schulmeister, T. M., Sanford, C. D., Canal, L. B., Fontes, P. L. P., Oosthuizen, N., Dubeux, J. C. B., Lamb, G. C., & Dilorenzo, N. (2022). Intake, ruminal fermentation parameters, and apparent total-tract digestibility by beef steers consuming Pensacola bahiagrass hay treated with calcium oxide. *Journal of Animal Science*, *100*(2), #skab366.
- Cirino, L. A., Moore, P. J., & Miller, C. W. (2022). High-quality host plant diets partially rescue female fecundity from a poor early start. *Royal Society Open Science*, *9*(2), #211748.
- Clark-Wolf, T. J., Hahn, P. G., Brelsford, E., Francois, J., Hayes, N., Larkin, B., Ramsey, P., & Pearson, D. E. (2022). Preventing a series of unfortunate events: Using qualitative models to improve conservation. *Journal of Applied Ecology*, *59*(9), 2322-2332.
- Claunch, N. M., Bartoszek, I. A., Tillis, S., Stacy, N. I., Ossiboff, R. J., Oakey, S., Schoenle, L. A., Wellehan, J. F. X., & Romagosa, C. M. (2022). Physiological effects of capture and short-term captivity in an invasive snake species, the Burmese python (*Python bivittatus*) in Florida. *Comparative Biochemistry and Physiology Part A: Molecular & Integrative Physiology*, *267*, #111162.
- Claunch, N. M., Downs, C. J., Schoenle, L. A., Oakey, S. J., Ely, T., Romagosa, C., & Briggs, C. W. (2022). Snap-freezing in the field: Effect of sample holding time on performance of bactericidal assays. *Integrative and Comparative Biology*, *62*(6), 1693-1699.
- Clingensmith, C. M., & Grunwald, S. (2022). Predicting soil properties and interpreting Vis-NIR models from across continental United States. *Sensors*, *22*(9), #3187.
- Cloonan, K. R., Montgomery, W. S., Narvaez, T. I., Carrillo, D., & Kendra, P. E. (2022). Community of bark and ambrosia beetles (Coleoptera: Curculionidae: Scolytinae and Platypodinae) in agricultural and forest ecosystems with laurel wilt. *Insects*, *13*(11), #971.
- Clymire-Stern, E. F., Hauer, R. J., Hilbert, D. R., Koeser, A. K., Buckler, D., Buntrock, L., Larsen, E., Timilsina, N., & Werner, L. P. (2022). Comparison between artificial and human estimates in urban tree canopy assessments. *Land*, *11*(12), #2325.
- Coatsworth, H., Bozic, J., Carrillo, J., Buckner, E. A., Rivers, A. R., Dinglasan, R. R., & Mathias, D. K. (2022). Intrinsic variation in the vertically transmitted core virome of the mosquito *Aedes aegypti*. *Molecular Ecology*, *31*(9), 2545-2561.

- Coburn, J. D., Moreira, D., Freeman, J., Bui, H. X., & Desaegeer, J. A. (2022). First report of *Meloidogyne incognita* infecting *Cannabis sativa* in Florida, USA. *Nematropica*, 52(2), 103-106.
- Coêlho, D. L., Dubeux, J. C. B., Santos, M. V. F., Mello, A. C. L., Cunha, M. V., Almeida, B. G., Santos, D. C., & Santos, E. R. S. (2022). Soil physical attributes and plant root mass in forage cactus production system. *Acta Horticulturae*, 1343, 39-46.
- Coelho, M. A., Mesquita, A. C. O., Fusconi, R., Roesch, L. F. W., & de Siqueira Ferreira, A. (2022). Ammonia volatilization and *Sporosarcina* genus abundance in an oxisol enriched with urea, compost and biochar. *Applied Soil Ecology*, 176, #104494.
- Coetzee, B., Carstens, E., Fourie, P. H., Dewdney, M. M., Rollins, J. A., Manzano León, A. M., Donovan, N. J., Glienke, C., Miles, A. K., Li, H., & Bester-van der Merwe, A. E. (2022). Discerning the global phylogeographic distribution of *Phyllosticta citricarpa* by means of whole genome sequencing. *Fungal Genetics and Biology*, 162, #103727.
- Colantonio, V., Ferrão, L. F. V., Tieman, D. M., Bliznyuk, N., Sims, C., Klee, H. J., Munoz, P., & Resende, M. F. R. (2022). Metabolomic selection for enhanced fruit flavor. *Proceedings of the National Academy of Sciences of the United States of America*, 119(7), #e2115865119.
- Coleman, G. R. Y., Bender, A., Hu, K., Sharpe, S. M., Schumann, A. W., Wang, Z., Bagavathiannan, M. V., Boyd, N. S., & Walsh, M. J. (2022). Weed detection to weed recognition: Reviewing 50 years of research to identify constraints and opportunities for large-scale cropping systems. *Weed Technology*, 36(6), 741-757.
- Collier, S. A., Deng, L., Adam, E. A., Benedict, K. M., Beshearse, E. M., Blackstock, A. J., Bruce, B. B., (+13 authors including Havelaar, A. H.), & Beach, M. J. (2021). Estimate of burden and direct healthcare cost of infectious waterborne disease in the United States. *Emerging Infectious Diseases*, 27(1), 140-149.
- Collins, J. F. (2022). A synthetic ferritin core analog functions as a next-generation iron supplement. *Journal of Nutrition*, 152(3), 651-652.
- Colonetti, K., de Carvalho, E. L., Rangel, D. L., Pinto, P. M., Roesch, L. F. W., Pinheiro, F. C., & Schwartz, I. V. D. (2022). Are the bacteria and their metabolites contributing for gut inflammation on GSD-ia patients? *Metabolites*, 12(9), #873.
- Conde, D., & Kirst, M. (2022). Decoding exceptional plant traits by comparative single-cell genomics. *Trends in Plant Science*, 27(11), 1095-1098.
- Conde, D., Triozzi, P. M., Pereira, W. J., Schmidt, H. W., Balmant, K. M., Knaack, S. A., Redondo-López, A., Roy, S., Dervinis, C., & Kirst, M. (2022). Single-nuclei transcriptome analysis of the shoot apex vascular system differentiation in *Populus*. *Development*, 149(21), #dev200632.



- Conner, C. J., Bocsanczy, A. M., Spakes-Richter, B., & Norman, D. J. (2022). Bacterial wilt resistance in blueberry species. *International Journal of Fruit Science*, 22(1), 852-859.
- Connor, T., Qiao, M., Scribner, K., Zhang, J., Hull, V., Bai, W., Shortridge, A., Li, R., Zhang, H., & Liu, J. (2022). Complex effects of habitat amount and fragmentation on functional connectivity and inbreeding in a giant panda population. *Conservation Biology*, 36(2), #e13828.
- Cooks, E. J., Duke, K. A., Flood-Grady, E., Vilaro, M. J., Ghosh, R., Parker, N., Te, P., George, T. J., Lok, B. C., Williams, M., Carek, P., & Krieger, J. L. (2022). Can virtual human clinicians help close the gap in colorectal cancer screening for rural adults in the United States? The influence of rural identity on perceptions of virtual human clinicians. *Preventive Medicine Reports*, 30, #102034.
- Cooks, E. J., Duke, K. A., Neil, J. M., Vilaro, M. J., Wilson-Howard, D., Modave, F., George, T. J., Odedina, F. T., Lok, B. C., Carek, P., Laber, E. B., Davidian, M., & Krieger, J. L. (2022). Telehealth and racial disparities in colorectal cancer screening: A pilot study of how virtual clinician characteristics influence screening intentions. *Journal of Clinical and Translational Science*, 6(1), #e48.
- Cooks, E. J., Vilaro, M. J., Dyal, B. W., Wang, S., Mertens, G., Raisa, A., Kim, B., Campbell-Salome, G., Wilkie, D. J., Odedina, F., Johnson-Mallard, V., Yao, Y., & Krieger, J. L. (2022). What did the pandemic teach us about effective health communication? Unpacking the COVID-19 infodemic. *BMC Public Health*, 22(1), #2339.
- Correia, K. M., Alford, S. B., Belgrad, B. A., Darnell, K. M., Darnell, M. Z., Furman, B. T., Hall, M. O., Hayes, C. T., Martin, C. W., McDonald, A. M., & Smee, D. L. (2022). Drift macroalgae positively influence seagrass-associated nekton communities of the northern Gulf of Mexico. *Frontiers in Environmental Science*, 10, #939296.
- Correia, K. M., Alford, S. B., Belgrad, B. A., Darnell, K. M., Darnell, M. Z., Furman, B. T., Hall, M. O., Hayes, C. T., Martin, C. W., McDonald, A. M., & Smee, D. L. (2022). Drift macroalgal distribution in northern Gulf of Mexico seagrass meadows. *PeerJ*, 10, #e13855.
- Corte, A. P. D., de Vasconcellos, B. N., Rex, F. E., Sanquetta, C. R., Mohan, M., Silva, C. A., Klauberg, C., de Almeida, D. R. A., Zambrano, A. M. A., Trautenmüller, J. W., Leite, R. V., do Amaral, C. H., Veras, H. F. P., Rocha, K. D. S., de Moraes, A., Karasinski, M. A., Sanquetta, M. N. I., & Broadbent, E. N. (2022). Applying high-resolution UAV-LiDAR and quantitative structure modelling for estimating tree attributes in a crop-livestock-forest system. *Land*, 11(4), #507.
- Corte, A. P. D., Neto, E. M. D. C., Rex, F. E., Souza, D., Behling, A., Mohan, M., Sanquetta, M. N. I., Silva, C. A., Klauberg, C., Sanquetta, C. R., Veras, H. F. P., de Almeida, D. R. A., Prata, G., Zambrano, A. M. A., Trautenmüller, J. W., Moraes, A., Karasinski, M. A., & Broadbent, E. N. (2022). High-density UAV-LiDAR in an integrated crop-livestock-forest system: Sampling forest inventory or forest inventory based on Individual Tree Detection (ITD). *Drones*, 6(2), #48.

- Cosenza, D. N., Vogel, J., Broadbent, E. N., & Silva, C. A. (2022). Silvicultural experiment assessment using lidar data collected from an unmanned aerial vehicle. *Forest Ecology and Management*, 522, #120489.
- Costa, L., Kunwar, S., Ampatzidis, Y., & Albrecht, U. (2022). Determining leaf nutrient concentrations in citrus trees using UAV imagery and machine learning. *Precision Agriculture*, 23(3), 854-875.
- Costa, L., McBreen, J., Ampatzidis, Y., Guo, J., Gahrooei, M. R., & Babar, M. A. (2022). Using UAV-based hyperspectral imaging and functional regression to assist in predicting grain yield and related traits in wheat under heat-related stress environments for the purpose of stable yielding genotypes. *Precision Agriculture*, 23(2), 622-642.
- Costine, B., Zhang, M., Chhajed, S., Pearson, B., Chen, S., & Nadakuduti, S. S. (2022). Exploring native *Scutellaria* species provides insight into differential accumulation of flavones with medicinal properties. *Scientific Reports*, 12(1), #13201.
- Costine, B., Zhang, M., Pearson, B., & Nadakuduti, S. S. (2022). Impact of blue light on plant growth, flowering and accumulation of medicinal flavones in *Scutellaria baicalensis* and *S. lateriflora*. *Horticulturae*, 8(12), #1141.
- Court, C. D., Jackson, R. W., Steele, A. J. H., Pickenpaugh, G., Jarosi, P., Adder, J., & Zelek, C. (2022). Extending macroeconomic impacts forecasting for NEMS. *Energy Journal*, 43(4), 251-271.
- Cox, K. D., Kenworthy, K. E., Erickson, J., Rios, E., & Unruh, J. B. (2022). Effects of polyethylene glycol on root and shoot production in zoysiagrasses. *International Turfgrass Society Research Journal*, 14(1), 250-255.
- Crickmore, N., Berry, C., Panneerselvam, S., Mishra, R., Connor, T. R., & Bonning, B. C. (2021). A structure-based nomenclature for *Bacillus thuringiensis* and other bacteria-derived pesticidal proteins. *Journal of Invertebrate Pathology*, 186, #107438.
- Cruz, S., & Gómez, C. (2022). Effects of daily light integral on compact tomato plants grown for indoor gardening. *Agronomy*, 12(7), #1704.
- Cruz, S., van Santen, E., & Gómez, C. (2022). Evaluation of compact tomato cultivars for container gardening indoors and under sunlight. *Horticulturae*, 8(4), #294.
- Cuevas, H. E., & Vermerris, W. (2022). Linkage map construction using limited parental genotypic information. *Euphytica*, 218(5), #58.
- Cuezzo, C., Scheffrahn, R. H., & Constantino, R. (2022). Revised systematic position of *Nasutitermes brevipilus* Emerson, 1925 (Isoptera: Termitidae: Nasutitermitinae) and the designation of *Hyleotermes* gen. nov. *Zootaxa*, 5195(1), 73-86.
- Cui, X., Guan, Z., Morgan, K. L., Huang, K. M., & Hammami, A. M. (2022). Multitiered fresh produce supply chain: The case of tomatoes. *Horticulturae*, 8(12), #1204.

- Cui, X., Wang, J., Wang, X., Khan, M. B., Lu, M., Khan, K. Y., Song, Y., He, Z., Yang, X., Yan, B., & Chen, G. (2022). Biochar from constructed wetland biomass waste: A review of its potential and challenges. *Chemosphere*, 287, #132259.
- Cullen, J. A., Poli, C. L., Fletcher, R. J., & Valle, D. (2022). Identifying latent behavioural states in animal movement with M4, a nonparametric Bayesian method. *Methods in Ecology and Evolution*, 13(2), 432-446.
- Cully Garbers, C., Roberts, T., & Pracht, D. (2022). Moving beyond short-term impacts of service-learning study abroad program on students' transformation: An Irish case study. *Journal of International Agricultural and Extension Education*, 29(4), #4.
- Currylow, A. F., Falk, B. G., Adams, A. Y., Romagosa, C. M., Josimovich, J. M., Rochford, M. R., Cherkiss, M. S., Nafus, M. G., Hart, K. M., Mazzotti, F. J., Snow, R. W., & Reed, R. N. (2022). Size distribution and reproductive phenology of the invasive Burmese python (*Python molurus bivittatus*) in the greater Everglades ecosystem, Florida, USA. *NeoBiota*, 78, 129-158.
- Currylow, A. F., McCollister, M. F., Anderson, G. E., Josimovich, J. M., Fitzgerald, A. L., Romagosa, C. M., & Adams, A. A. Y. (2022). Face-off: Novel depredation and nest defense behaviors between an invasive and a native predator in the greater Everglades ecosystem, Florida, USA. *Ecology and Evolution*, 12(2), #e8639.
- Curtis, M. L., & Nunez, G. H. (2022). Trends in statistical analysis software use for horticulture research between 2005 and 2020. *HortTechnology*, 32(4), 356-358.
- Czyż, D. (2022). Exploiting *Caenorhabditis elegans* to discover human gut microbiota-mediated intervention strategies in protein conformational diseases. *Neural Regeneration Research*, 17(10), 2203-2204.
- da Costa, K. C. P., de Carvalho Gonçalves, J. F., Gonçalves, A. L., da Rocha Nina Junior, A., Jaquetti, R. K., de Souza, V. F., de Carvalho, J. C., (+ 25 authors including Kainer, K. A.), & Rodrigues, M. O. (2022). Advances in Brazil nut tree ecophysiology: Linking abiotic factors to tree growth and fruit production. *Current Forestry Reports*, 8(1), 90-110.
- da Silva Benevenuto, S., Freeman, J. H., & Yang, R. (2022). How do pinching and plant density affect industrial hemp produced for cannabinoids in open field conditions? *Agronomy Journal*, 114(1), 618-626.
- da Silva, D. F., Rodrigues, T. A., da Silveira, J. C., Gonella-Diaza, A. M., Binelli, M., Lopes, J. V., Moura, M. T., Feitosa, W. B., & Paula-Lopes, F. F. (2022). Cellular responses and microRNA profiling in bovine spermatozoa under heat shock. *Reproduction*, 164(4), 155-168.
- da Silva, E. H. F. M., Hoogenboom, G., Boote, K. J., Gonçalves, A. O., & Marin, F. R. (2022). Predicting soybean evapotranspiration and crop water productivity for a tropical

- environment using the CSM-CROPGRO-Soybean model. *Agricultural and Forest Meteorology*, 323, #109075.
- da Silva, H. M. S., Dubeux, J. C. B., Silveira, M. L., Lira, M. A., Cardoso, A. S., & Vendramini, J. M. B. (2022). Greenhouse gas mitigation and carbon sequestration potential in humid grassland ecosystems in Brazil: A review. *Journal of Environmental Management*, 323, #116269.
- da Silva, L. S., Sollenberger, L. E., Mullenix, M. K., Kohmann, M. M., Dubeux, J. C. B., & Silveira, M. L. (2022). Soil carbon and nitrogen stocks in nitrogen-fertilized grass and legume-grass forage systems. *Nutrient Cycling in Agroecosystems*, 122(1), 105-117.
- da Silveira, A. B., de Padua Chaves e Carvalho, S., Nicoletti, M. F., Silva, C. A., Drescher, R., Peres de Lima Chaves e Carvalho, M., Madi, J. P. S., Topanotti, L. R., Zeviani, W. M., & Lima de Andrade, V. C. (2022). Impact of plot size on tropical forest structure and diversity estimation. *Revista de Biologia Tropical*, 70(1), 437-449.
- da Silveira, L. F. L., & Branham, M. A. (2022). A new species of *Petalacmis* firefly from Bolivia, with a key to species (Coleoptera, Lampyridae). *ZooKeys*, 1092, 63-77.
- Dado-Senn, B., Gingerich, K. N., Horvath, K. C., Field, S. L., Marrero, M. G., Maunsell, F., Miller-Cushon, E. K., & Laporta, J. (2022). Early-life heat stress exposure impacts dairy calf feeding and thermoregulatory behavior. *JDS Communications*, 3(1), 38-43.
- Dado-Senn, B. M., Field, S. L., Davidson, B. D., Dahl, G. E., & Laporta, J. (2022). In utero hyperthermia in late gestation derails dairy calf early-life mammary development. *Journal of Animal Science*, 100(10), #skac186.
- Daga, A., Nguyen, O. T., Moothedan, E., Czyz, D. M., Faldu, A., Ham, T., Goyal, A., Motwani, K., & Feller, D. B. (2022). Antibiotic prescribing patterns for acute respiratory infections in a free clinic network: A pooled cross-sectional study. *Drugs and Therapy Perspectives*, 38(1), 51-55.
- Dahl, K. A., Fields, A., Robertson, A., Portnoy, D. S., Grieme, A., Lockridge, G., & Patterson, W. F. (2022). Factors affecting DNA barcoding classification accuracy for piscine prey: An experimental assessment with invasive lionfish. *Journal of Experimental Marine Biology and Ecology*, 547, #151675.
- Dai, Q., Liu, Q., Zhang, X., Cao, L., Hu, B., Shao, J., Ding, F., Guo, X., & Gao, B. (2022). Synergetic effect of co-pyrolysis of sewage sludge and lignin on biochar production and adsorption of methylene blue. *Fuel*, 324, #124587.
- Dai, X., Kalscheur, K. F., Huhtanen, P., & Faciola, A. P. (2022). Effects of ruminal protozoa on methane emissions in ruminants—A meta-analysis. *Journal of Dairy Science*, 105(9), 7482-7491.

- Dai, Y., Liu, R., Chen, J., & Li, N. (2022). Bioremediation of HMW-PAHs-contaminated soils by rhizosphere microbial community of Fire Phoenix plants. *Chemical Engineering Journal*, 432, #134246.
- Daigneault, B. W. (2022). Insights to maternal regulation of the paternal genome in mammalian livestock embryos: A mini-review. *Frontiers in Genetics*, 13, #909804.
- Daigneault, B. W., & de Agostini Losano, J. D. (2022). Tributyltin chloride exposure to post-ejaculatory sperm reduces motility, mitochondrial function and subsequent embryo development. *Reproduction, Fertility and Development*, 34(12), 833-843.
- Dale, A. G., & Frank, S. D. (2022). Water availability determines tree growth and physiological response to biotic and abiotic stress in a temperate North American urban forest. *Forests*, 13(7), #1012.
- Darracq, A. K., Hromada, S. J., Neighbors, L., Smith, L. L., Conner, L. M., & McCleery, R. A. (2022). Reducing populations of an invasive ant influences survival, growth, and diet of southern toads (*Anaxyrus terrestris*). *Journal of Herpetology*, 56(1), 84-91.
- Dash, P. K., Chase, C. A., Agehara, S., & Zotarelli, L. (2022). Alleviating heat stress during early-season establishment of containerized strawberry transplants. *Journal of Berry Research*, 12(1), 19-40.
- Dauria, B. D., Sigdel, A., Petrini, J., Bóscollo, P. P., Pilonetto, F., Salvian, M., Rezende, F. M., Pedrosa, V. B., Bittar, C. M. M., Machado, P. F., Coutinho, L. L., Wiggans, G. R., & Mourão, G. B. (2022). Genetic effects of heat stress on milk fatty acids in Brazilian Holstein cattle. *Journal of Dairy Science*, 105(4), 3296-3305.
- Davidson, B. D., Sarlo Davila, K. M., Mateescu, R. G., Dahl, G. E., & Laporta, J. (2022). Effect of in utero exposure to hyperthermia on postnatal hair length, skin morphology, and thermoregulatory responses. *Journal of Dairy Science*, 105(11), 8898-8910.
- Dawe, L. L., Jones, J. A., Swisher, M. E., & Ortiz, P. (2022). Dismantling racism: A narrative analysis of the evolution of and factors influencing white anti-racism action. *Understanding and Dismantling Privilege*, 12(2), 68 - 85.
- de Camargo Santos, A., McCray, J. M., Daroub, S., Rowland, D., Ji, S., & Sandhu, H. (2022). Nitrogen management of shallow Florida histosols for sugarcane production. *Journal of Plant Nutrition*, 45(20), 3045-3056.
- De Crécy-Lagard, V., Amorin De Hegedus, R., Arighi, C., Babor, J., Bateman, A., Blaby, I., Blaby-Haas, C., (+ 51 authors including Cleveland, S., Dias, R., Gorelik, M., Hutinet, G., Jaroch, M., Reed, C., Monaghan, P.), & Xu, J. (2022). A roadmap for the functional annotation of protein families: A community perspective. *Database*, 2022, #baac062.
- De Francesco, A., Lovelace, A. H., Shaw, D., Qiu, M., Wang, Y., Gurung, F., Ancona, V., Wang, C., Levy, A., Jiang, T., & Ma, W. (2022). Transcriptome profiling of 'Candidatus liberibacter asiaticus' in citrus and psyllids. *Phytopathology*, 112(1), 116-130.

- de Freitas, A. S., Caroline Gan, F., de David, D. B., & Roesch, L. F. W. (2022). The microbiome shifts throughout the gastrointestinal tract of Bradford cattle in the Pampa biome. *PLOS ONE*, *17*(12), #e0279386.
- de Freitas, S. T., Tavares Guimarães, Í., Vilvert, J. C., Pontes do Amaral, M. H., Brecht, J. K., & Biasoto Marques, A. T. (2022). Mango dry matter content at harvest to achieve high consumer quality of different cultivars in different growing seasons. *Postharvest Biology and Technology*, *189*, #111917.
- de Lima Ferreira, J. K., de Mello Varani, A., Tótola, M. R., Fernandes Almeida, M., de Sousa Melo, D., Ferreira Silva e Batista, C., Chalfun-Junior, A., Pimenta de Oliveira, K. K., Wurdig Roesch, L. F., & Satler Pylro, V. (2022). Phylogenomic characterization and pangenomic insights into the surfactin-producing bacteria *Bacillus subtilis* strain RI4914. *Brazilian Journal of Microbiology*, *53*(4), 2051-2063.
- de Lima, M. J. A., Nunes, H. G. G. C., Sampaio, L. S., de Souza, P. J. O. P., & Fraisse, C. W. (2022). Optimal soybean sowing window adjusted to climatic variability based on El Niño-Southern Oscillation using agrometeorological modeling1. *Pesquisa Agropecuaria Tropical*, *52*, #e72428.
- De Lombaerde, E., Vangansbeke, P., Lenoir, J., Van Meerbeek, K., Lembrechts, J., Rodríguez-Sánchez, F., Luoto, M., (+ 18 authors including Scheffers, B.), & De Frenne, P. (2022). Maintaining forest cover to enhance temperature buffering under future climate change. *Science of the Total Environment*, *810*, #151338.
- de Macêdo Carvalho, C. B., de Mello, A. C. L., da Cunha, M. V., de Oliveira Apolinário, V. X., Dubeaux, J. C. B., Pessoa, D. V., de Oliveira Neto, P. M., & da Silva, V. P. (2022). Nutritive value of *Urochloa decumbens* Stapf R. D. Webster and *Mimosa caesalpiniiifolia* Benth. and performance of cattle in monoculture and silvopastoral systems, in the Agreste region of Pernambuco. *Tropical Animal Health and Production*, *54*(4), #246.
- de Novais, F. J., Yu, H., Mello Cesar, A. S., Momen, M., Poleti, M. D., Petry, B., Barreto Mourão, G., de Almeida Regitano, L. C., Morota, G., & Coutinho, L. L. (2022). Multi-omic data integration for the study of production, carcass, and meat quality traits in Nellore cattle. *Frontiers in Genetics*, *13*, #948240.
- de Paula, H. V. G., Vendramini, J. M. B., Sollenberger, L. E., Moriel, P., Siqueira da Silva, H. M., Garzon, J. E., de Oliveira, H. M. R., Machado, I. M., & dos Santos, A. C. (2022). Herbage accumulation, nutritive value, and persistence of new warm-season perennial grasses. *Crop, Forage and Turfgrass Management*, *8*(1), #e20168.
- De Pessemier, J., Moturu, T. R., Nacry, P., Ebert, R., De Gernier, H., Tillard, P., Swarup, K., Wells, D. M., Haseloff, J., Murray, S. C., Bennett, M. J., Inzé, D., Vincent, C. I., & Hermans, C. (2022). Root system size and root hair length are key phenes for nitrate acquisition and biomass production across natural variation in *Arabidopsis*. *Journal of Experimental Botany*, *73*(11), 3569-3583.

- De Sormeaux, A., Rampold, S., & Telg, R. (2021). Growing grassroots: Examining policy perceptions and engagement among members of Florida agricultural organizations. *Journal of Agricultural Education*, 62(3), 217-231.
- de Sousa, J. T. L., Vendramini, J. M. B., Moriel, P., Sanchez, J. M. D., da Silva, H. M., Alencar, N., de Sousa, L. F., de Oliveira, H. M. R., & Palmer, E. A. (2022). Monensin and concentrate supplementation level affect forage ruminal measurements and forage in situ disappearance of bermudagrass fed to beef cattle. *Applied Animal Science*, 38(2), 141-149.
- de Souza Junior, J. C., Monteiro, F. A., Xin, X., & He, Z. (2022). Nitrate supply affects copper nanoparticle accumulation by maize plant and availability of nutrients in rhizosphere and bulk soil. *Journal of Soil Science and Plant Nutrition*, 22(3), 3598-3610.
- de Souza N6ia J6nior, R., Fraisse, C. W., Bashyal, M., Mulvaney, M. J., Seepaul, R., Karrei, M. A. Z., Iboyi, J. E., Perondi, D., Cerbaro, V. A., & Boote, K. J. (2022). *Brassica carinata* as an off-season crop in the southeastern USA: Determining optimum sowing dates based on climate risks and potential effects on summer crop yield. *Agricultural Systems*, 196, #103344.
- Delong, A. N., Swisher, M. E., Chase, C. A., Zhao, X., Liburd, O. E., Gao, Z., Bolques, A., & Gu, S. (2022). Stakeholder-driven adaptive research (SDAR): Better research products. *Renewable Agriculture and Food Systems*, 37(4), 350-359.
- D6mares, F. J., Schmehl, D., Bloomquist, J. R., Cabrera, A. R., Huang, Z. Y., Lau, P., Rangel, J., Sullivan, J., Xie, X., & Ellis, J. D. (2022). Honey bee (*Apis mellifera*) exposure to pesticide residues in nectar and pollen in urban and suburban environments from four regions of the United States. *Environmental Toxicology and Chemistry*, 41(4), 991-1003.
- Dematte, J. A. M., Paiva, A. F. D. S., Poppiel, R. R., Rosin, N. A., Ruiz, L. F. C., Mello, F. A. D. O., Minasny, B., (+ 16 authors including Grunwald, S.), & Silvero, N. E. Q. (2022). The Brazilian soil spectral service (BraSpecS): A user-friendly system for global soil spectra communication. *Remote Sensing*, 14(3), #740.
- Deng, Z., Peres, N. A., & Desaegeer, J. (2022). Four new *Caladium* cultivars, UF-R1410, UF-15-21, UF-15-441, and UF-16-597, for containers and landscapes. *HortScience*, 57(6), 665-673.
- Denis-Robichaud, J., Fernandes, A. C. C., Santos, J. E. P., & Cerri, R. L. A. (2022). Circulating progesterone at insemination and accessory spermatozoa are associated with fertilization and embryo quality five or six days post insemination in dairy cattle. *Theriogenology*, 189, 64-69.
- Desaegeer, J. A., & Bui, H. X. (2022). Root-knot nematode damage to a cucurbit double crop is increased by chloropicrin fumigation on the previous tomato crop. *Pest Management Science*, 78(10), 4072-4082.

- Desgrottes, N., & Dahl, W. J. (2022). Validity of self-rated diet quality question. *Journal of the National Extension Association of Family and Consumer Service*, *17*, 11-17.
- Deutsch, J. M., Mandelare-Ruiz, P., Yang, Y., Foster, G., Routhu, A., Houk, J., Flor, Y. T. D. L., Ushijima, B., Meyer, J. L., Paul, V. J., & Garg, N. (2022). Metabolomics approaches to dereplicate natural products from coral-derived bioactive bacteria. *Journal of Natural Products*, *85*(3), 462–478.
- DeVetter, L. W., Chabert, S., Milbrath, M. O., Mallinger, R. E., Walters, J., Isaacs, R., Galinato, S. P., Kogan, C., Brouwer, K., Melathopoulos, A., & Eeraerts, M. (2022). Toward evidence-based decision support systems to optimize pollination and yields in highbush blueberry. *Frontiers in Sustainable Food Systems*, *6*, #1006201.
- Di Cecco, G. J., Taylor, S. J. S., White, E. P., & Hurlbert, A. H. (2022). More individuals or specialized niches? Distinguishing support for hypotheses explaining positive species–energy relationships. *Journal of Biogeography*, *49*(9), 1629-1639.
- Di Lella, B., Mou, D. F., Helmick, E. E., & Bahder, B. W. (2022). First report of ‘Candidatus Phytoplasma brasiliense’ in north America and in a new host, globe sedge (*Cyperus globulosus*). *Plant Health Progress*, *23*(3), 336-338.
- Diamond, J. S., Moatar, F., Cohen, M. J., Poirel, A., Martinet, C., Maire, A., & Pinay, G. (2022). Metabolic regime shifts and ecosystem state changes are decoupled in a large river. *Limnology and Oceanography*, *67*(S1), S54-S70.
- Dias, R., Evans, D., Chen, S. F., Chen, K. Y., Loguercio, S., Chan, L., & Torkamani, A. (2022). Rapid, reference-free human genotype imputation with denoising autoencoders. *Elife*, *11*, #75600.
- Diaz, A. L., Ortega, A. E., Tingle, H., Pulido, A., Cordero, O., Nelson, M., Cocoves, N. E., Shin, J., Carthy, R. R., Wilkinson, B. E., & Ifju, P. G. (2022). The bathy-drone: An autonomous uncrewed drone-tethered sonar system. *Drones*, *6*(10), #294.
- Diaz, R. M., & Ernest, S. K. M. (2022). Maintenance of community function through compensation breaks down over time in a desert rodent community. *Ecology*, *103*(7), #e3709.
- Dickson, M. J., Bishop, J. V., Hansen, T. R., Sheldon, I. M., & Bromfield, J. J. (2022). The endometrial transcriptomic response to pregnancy is altered in cows after uterine infection. *PLOS ONE*, *17*(3), #e0265062.
- Dickson, M. J., Sheldon, I. M., & Bromfield, J. J. (2022). Lipopolysaccharide alters CEBP $\beta$  signaling and reduces estradiol production in bovine granulosa cells. *CABI Agriculture and Bioscience*, *3*(1), #66.
- Dinardo, F. R., Maggiolino, A., Martinello, T., Liuzzi, G. M., Elia, G., Zizzo, N., Latronico, T., Mastrangelo, F., Dahl, G. E., & De Palo, P. (2022). Oral administration of nucleotides in



- calves: Effects on oxidative status, immune response, and intestinal mucosa development. *Journal of Dairy Science*, *105*(5), 4393-4409.
- Doherty, E. M., Meagher, R. L., & Dale, A. G. (2022). Diversity, composition, and freedom to choose drive the effects of St. Augustinegrass cultivar blends on an herbivorous insect. *International Turfgrass Society Research Journal*, *14*(1), 989-993.
- Dong, Y., Zhang, Z. R., Mishra, S., Wong, A. C. N., Huang, J. F., Wang, B., Peng, Y. Q., & Gao, J. (2022). Diversity and metabolic potentials of microbial communities associated with pollinator and cheater fig wasps in fig-fig wasp mutualism system. *Frontiers in Microbiology*, *13*, #1009219.
- Dorissant, L., Brym, Z. T., & Swartz, S. (2022). Residue decomposition dynamics in mixed ratios of two warm-season cover crops. *Agrosystems, Geosciences and Environment*, *5*(4), #e20311.
- Dorman, S. J., Taylor, S. V., Malone, S., Roberts, P. M., Greene, J. K., Reising, D. D., Smith, R. H., Jacobson, A. L., Reay-Jones, F. P. F., Paula-Moraes, S., & Huseeth, A. S. (2022). Sampling optimization and crop interface effects on *Lygus lineolaris* populations in southeastern USA cotton. *Insects*, *13*(1), #88.
- Dornelles Marinho, C., Ferreira Coelho, I., Peixoto, M. A., De Carvalho, G. A. J., & De Resende, M. F. R. J. (2022). Genomic selection as a tool for maize cultivars development. *Revista Brasileira de Milho e Sorgo*, *21*, #e1285.
- dos Santos, M. L., Santos, P. M., Boote, K. J., Pequeno, D. N. L., Barioni, L. G., Cuadra, S. V., & Hoogenboom, G. (2022). Applying the CROPGRO perennial forage model for long-term estimates of Marandu palisadegrass production in livestock management scenarios in Brazil. *Field Crops Research*, *286*, #108629.
- dos Santos Silva, R., Jalal, A., Nascimento do Nascimento, R., Castro Elias, N., Cossi Kawakami, K., Hamilton Abreu, C., Carvalho Oliveira, F., Jani, A. D., He, Z., Zhao, F., Carvalho Minhoto Teixeira Filho, M., Rossetto, R., Capra, G. F., & Assis Rodrigues Nogueira, T. (2022). Composted sewage sludge application in a sugarcane seedling nursery: Crop nutritional status, productivity, and technological quality implications. *Sustainability*, *14*(8), #4682.
- Doty, J., Gabrielli, J., Abraczinskas, M., Girón, K., Yourell, J., & Stormshak, E. (2022). Parent-based prevention of bullying and cyberbullying during COVID-19 social distancing: A pilot intervention using the MOST framework. *Journal of Prevention*, *43*(5), 719-734.
- Doty, J. L., Girón, K., Mehari, K. R., Sharma, D., Smith, S. J., Su, Y.-W., Ma, X., Rijo, D., & Rousso, B. (2022). The dosage, context, and modality of interventions to prevent cyberbullying perpetration and victimization: A systematic review. *Prevention Science*, *23*(4), 523-537.

- Dourado, P. R. M., de Souza, E. R., Dos Santos, M. A., Lins, C. M. T., Monteiro, D. R., Paulino, M. K. S. S., & Schaffer, B. (2022). Stomatal regulation and osmotic adjustment in sorghum in response to salinity. *Agriculture*, *12*(5), #658.
- Doyle, S. B., Lindner, E. E., Gingerich, K. N., & Miller-Cushon, E. K. (2022). Development of human-directed behavior in dairy calves reared individually or in pairs. *Journal of Dairy Science*, *105*(10), 8387-8400.
- Doyle, S. M., & Christner, B. C. (2022). Variation in bacterial composition, diversity, and activity across different subglacial basal ice types. *The Cryosphere*, *16*(10), 4033-4051.
- Dritsoulas, A., Wu, S. Y., Regmi, H., & Duncan, L. W. (2022). Arthropod community responses reveal potential predators and prey of entomopathogenic nematodes in a citrus orchard. *Agronomy*, *12*(10), #2502.
- Duan, S., Long, Y., Cheng, S., Li, J., Ouyang, Z., & Wang, N. (2022). Rapid evaluation of the resistance of citrus germplasms against *Xanthomonas citri* subsp. *citri*. *Phytopathology*, *112*(4), 765-774.
- Dubeux, J. C. B., Jaramillo, D., Santos, E. R. S., Garcia, L., & Queiroz, L. D. (2022). Invited Review: Ecosystem services provided by grasslands in the Southeast United States. *Applied Animal Science*, *38*(6), 648-659.
- Dubeux, J. C. B., Santos, M. V. F., Souza, R. T. A., & Siebert, A. (2022). Cactus: The new green revolution in drylands. *Acta Horticulturae*, *1343*, 233-240.
- Dubnick, A., Faber, Q., Hawkings, J. R., Bramall, N., Christner, B. C., Doran, P. T., Nadeau, J., Snyder, C., Kellerman, A. M., McKenna, A. M., Spencer, R. G. M., & Skidmore, M. L. (2022). Biogeochemical responses to mixing of glacial meltwater and hot spring discharge in the Mount St. Helens Crater. *Journal of Geophysical Research: Biogeosciences*, *127*(10), #e2022JG006852.
- Dueri, S., Brown, H., Asseng, S., Ewert, F., Webber, H., George, M., Craigie, R., (+ 45 authors including Guarin, J. R., Gao, Y. J., Hoogenboom, G.), & Martre, P. (2022). Simulation of winter wheat response to variable sowing dates and densities in a high-yielding environment. *Journal of Experimental Botany*, *73*(16), 5715-5729.
- Duermit-Moreau, E., Bojko, J., & Behringer, D. C. (2022). Cyanobacterial blooms alter benthic community structure and parasite prevalence among invertebrates in Florida Bay, USA. *Marine Ecology Progress Series*, *694*, 29-44.
- Dulay, R. M. R., Valdez, B. C., Chakrabarti, S., Dhillon, B., Cabrera, E. C., Kalaw, S. P., & Reyes, R. G. (2022). Cytotoxicity of medicinal mushrooms *Oudemansiella canarii* and *Ganoderma lucidum* (Agaricomycetes) against hematologic malignant cells via activation of apoptosis-related markers. *International Journal of Medicinal Mushrooms*, *24*(11), 83-95.

- Duncan, R. E., Peña, J. E., & Carrillo, D. (2022). *Tenuipalpus uvae* (Acari: Tenuipalpidae) and *Calophya spondiadis* (Hemiptera: Psyllidae), pests of Spondias in Florida, USA. *Florida Entomologist*, 105(1), 87-90.
- Duncanson, L., Kellner, J. R., Armston, J., Dubayah, R., Minor, D. M., Hancock, S., Healey, S. P., (+ 110 authors including Silva, C. A.), & Zraggen, C. (2022). Aboveground biomass density models for NASA's Global Ecosystem Dynamics Investigation (GEDI) lidar mission. *Remote Sensing of Environment*, 270, #112845.
- Dunn, K. N., Davis, S. R., Herhold, H. W., Stanger-Hall, K. F., Bybee, S. M., & Branham, M. A. (2022). Morphological changes in the tracheal system associated with light organs of the firefly *Photinus pyralis* (Coleoptera: Lampyridae) across life stages. *PLOS ONE*, 17(6), #e0268112.
- Dunn, L. L., Friedrich, L. M., Strawn, L. K., & Danyluk, M. D. (2022). Prevalence of *Listeria monocytogenes* and indicator microorganisms in Florida cantaloupe packinghouses, 2013–2014. *Food Microbiology*, 104, #103970.
- Dunn, L. L., Sharma, V., Chapin, T. K., Friedrich, L. M., Larson, C. C., Rodrigues, C., Jay-Russell, M., Schneider, K. R., & Danyluk, M. D. (2022). The prevalence and concentration of *Salmonella enterica* in poultry litter in the southern United States. *PLOS ONE*, 17(5), #e0268231.
- Dunn, T. P., Champagne, D. E., Riley, D. G., Smith, H., & Bennett, J. E. (2022). A target site mutation associated with diamide insecticide resistance in the diamondback moth *Plutella xylostella* (Lepidoptera: Putellidae) is widespread in south Georgia and Florida populations. *Journal of Economic Entomology*, 115(1), 289-296.
- Duran Garzon, C., Lequart, M., Charras, Q., Fournet, F., Bellenger, L., Sellier-Richard, H., Giauffret, C., Vermerris, W., Domon, J. M., & Rayon, C. (2022). The maize low-lignin *brown midrib3* mutant shows pleiotropic effects on photosynthetic and cell wall metabolisms in response to chilling. *Plant Physiology and Biochemistry*, 184, 75-86.
- Dutt, M., Mahmoud, L. M., Nehela, Y., Grosser, J. W., & Killiny, N. (2022). The *Citrus sinensis* tiller angle control 1 (*CsTAC1*) gene regulates tree architecture in sweet oranges by modulating the endogenous hormone content. *Plant Science*, 323, #111401.
- Easterly, R. G., & Barry, D. M. (2022). Curricular resource use and pedagogical design capacity of Florida agricultural education teachers. *Journal of Agricultural Education*, 63(3), 59-72.
- Easterly, T., Hodnett, F., & Rodriguez, M. T. (2022). Examining student involvement in the total program in small schools in New Mexico. *Advancements in Agricultural Development*, 3(1), 19-31.
- Echavarria, M. A. Z., Barrantes, E. A. B., Bartlett, C. R., Helmick, E. E., & Bahder, B. W. (2022). A new species of planthopper in the genus *Myconus* (Hemiptera:

- Auchenorrhyncha: Fulgoroidea: Achilidae) from the Los Angeles Cloud Forest, Costa Rica. *Zootaxa*, 5128(1), 129-141.
- Echavarría, M. A. Z., Barrantes, E., Bartlett, C., Helmick, E., Kunz, G., & Bhader, B. (2022). A new species of planthopper in the genus *Haplaxius* from Osa Peninsula in Costa Rica (Hemiptera: Fulgoroidea: Cixiidae). *Zootaxa*, 5209(2), 257-269.
- Echavarría, M. A. Z., Barrantes, E. A. B., Bartlett, C. R., Helmick, E. E., Kunz, G., & Bahder, B. W. (2022). A new species of planthopper in the genus *Tico* (Hemiptera: Auchenorrhyncha: Derbidae) on palms in Costa Rica. *Zootaxa*, 5125(3), 283-294.
- Edelmann, M. J., & Kima, P. E. (2022). Current understanding of extracellular vesicle homing/tropism. *Zoonoses*, 2, #14.
- Edger, P. P., Iorizzo, M., Bassil, N. V., Benevenuto, J., Ferrão, L. F. V., Giongo, L., Hummer, K., (+ 31 authors including Munoz, P. R., Sims, C. A.), & Zalapa, J. (2022). There and back again; historical perspective and future directions for *Vaccinium* breeding and research studies. *Horticultural Research*, 9, #uhac083.
- Egan, M. S., Hogan, K., Maupin-Furlow, J., & Pohlschroder, M. (2022). The best of both worlds: Discovery-driven learning through a lab-seminar approach. *Journal of Microbiology and Biology Education*, 23(3), #e00031.
- Eguiguren-Jimenez, L., Miles, J., Ocampo, J., & Andrade, J. M. (2022). Prevalence and associated risk factors of chronic kidney disease: A case study within SIME clinics in Quito, Ecuador 2019-2021. *Frontiers in Medicine*, 9, #908551.
- El Zein, A., Vilaro, M. J., Shelnutt, K. P., Walsh-Childers, K., & Mathews, A. E. (2022). Obstacles to university food pantry use and student-suggested solutions: A qualitative study. *PLOS ONE*, 17(5), #e0267341.
- Elefante, D. J., Ohs, C. L., & Grabe, S. W. (2022). Egg hatching, stocking, larval feeding, and handling mortality of guinean fingerfish *Monodactylus sebae*. *North American Journal of Aquaculture*, 84(3), 295-303.
- Ellington, A. J., & Reisch, C. R. (2022). Efficient and iterative retron-mediated in vivo recombineering in *Escherichia coli*. *Synthetic Biology*, 7(1), #10.
- Ellis, S. F., Savchenko, O. M., & Messer, K. D. (2022). Mitigating stigma associated with recycled water. *American Journal of Agricultural Economics*, 104(3), 1077-1099.
- Ellison, S., & Harder, A. (2022). Contributing or clocking in: A study of work engagement. *Journal of Extension*, 60(3), #3.
- ElSayed, A. I., Mohamed, A. H., Rafudeen, M. S., Omar, A. A., Awad, M. F., & Mansour, E. (2022). Polyamines mitigate the destructive impacts of salinity stress by enhancing photosynthetic capacity, antioxidant defense system and upregulation of calvin cycle-

- related genes in rapeseed (*Brassica napus* L.). *Saudi Journal of Biological Sciences*, 29(5), 3675-3686.
- Emaminejad, S. A., Morgan, V. L., Kumar, K., Kavathekar, A., Ragush, C., Shuai, W., Jia, Z., Huffaker, R., Wells, G., & Cusick, R. D. (2022). Statistical and microbial analysis of bio-electrochemical sensors used for carbon monitoring at water resource recovery facilities. *Environmental Science: Water Research and Technology*, 8(10), 2052-2064.
- Emerson, L. E., Barker, H., Tran, T., Barker, S., Enslow, S., Ou, M., Hoffman, C., Jones, M., Pascual, D. W., & Edelmann, M. J. (2022). Extracellular vesicles elicit protective immune responses against *Salmonella* infection. *Journal of Extracellular Vesicles*, 11(9), #e12267.
- Emerson, L. E., Gioseffi, A., Barker, H., Sheppe, A., Morrill, J. K., Edelmann, M. J., & Kima, P. E. (2022). *Leishmania* infection-derived extracellular vesicles drive transcription of genes involved in M2 polarization. *Frontiers in Cellular and Infection Microbiology*, 12, #9344611.
- Ence, D., Smith, K. E., Fan, S., Neves, L. G., Paul, R., Wegrzyn, J., Peter, G. F., Kirst, M., Brawner, J., Nelson, C. D., & Davis, J. M. (2022). NLR diversity and candidate fusiform rust resistance genes in loblolly pine. *G3: Genes, Genomes, Genetics*, 12(2), #jkab421.
- Endres, A. B., Andrade Laborde, J. E., Bohn, M. O., Formiga, A. K., Goldstein, W. A., Marriott, E. E., Ugarte, C. M., & Wander, M. M. (2022). Influence of the seed loop-hole and bottleneck on quantity and quality of organic maize seed in the U.S. midwest. *Frontiers in Agronomy*, 4, #763974.
- Engel, M. D., Shelnut, K. P., House, L. A., El Zein, A., & Mathews, A. E. (2022). Differences in measured and self-categorized food security status and related coping strategies among college students. *Nutrients*, 14(17), #3569.
- Erlandson, S. R., Margis, R., Ramirez, A., Nguyen, N., Lofgren, L. A., Liao, H. L., Vilgalys, R., Kennedy, P. G., & Peay, K. G. (2022). Transcriptional acclimation and spatial differentiation characterize drought response by the ectomycorrhizal fungus *Suillus pungens*. *New Phytologist*, 234(6), 1910-1913.
- Ervin, D. E., Dixon, L. M., Montry, A., Patton, A. J., Bowling, B., Elmore, M. T., Gannon, T. W., Kaminski, J. E., Kowalewski, A. R., McCurdy, J. D., McElroy, J. S., Unruh, J. B., & Bagavathiannan, M. V. (2022). Contemporary challenges and opportunities for improved lawn weed management: Insights from U.S. lawn care operators. *Outlooks on Pest Management*, 33(3), 95-100.
- Espinoza-Lozano, L., Joseph, S., Crow, W. T., Noling, J., & Mekete, T. (2022). *Meloidogyne haplanaria*: An emerging threat to tomato production in Florida. *Journal of Nematology*, 54(1), #e2022-2021.
- Espriella, M. C., & Lecours, V. (2022). Optimizing the scale of observation for intertidal habitat classification through multiscale analysis. *Drones*, 6(6), #140.

- Esteves, E., Kadyampakeni, D. M., Zambon, F., Ferrarezi, R. S., & Maltais-Landry, G. (2022). Magnesium fertilization has a greater impact on soil and leaf nutrient concentrations than nitrogen or calcium fertilization in Florida orange production. *Nutrient Cycling in Agroecosystems*, 122(1), 73-87.
- Ethridge, S. R., Post, A., Devkota, P., Mulvaney, M. J., & Leon, R. G. (2021). Characterization of carinata tolerance to select herbicides using field dose-response studies. *Weed Technology*, 35(6), 957-966.
- Exilien, R., Brodeur, J., Fournier, V., & Martini, X. (2022). Host range and phenology of sugarcane aphid (Hemiptera: Aphididae) and natural enemy community in sorghum in Haiti. *Journal of Economic Entomology*, 115(6), 1956-1963.
- Faal, H., Cooperband, M. F., Canlas, I., & Carrillo, D. (2022). Evidence of pheromone use in a fulgorid, spotted lanternfly. *Forests*, 13(10), #10.
- Faal, H., Meier, L. R., Canlas, I. J., Murman, K., Wallace, M., Carrillo, D., & Cooperband, M. F. (2022). Volatiles from male honeydew excretions attract conspecific male spotted lanternflies, *Lycorma delicatula* (Hemiptera: Fulgoridae). *Frontiers in Insect Science*, 2, #982965.
- Fahey, C., & Flory, S. L. (2022). Soil microbes alter competition between native and invasive plants. *Journal of Ecology*, 110(2), 404-414.
- Fahrenkrog, A. M., Matsumoto, G. O., Toth, K., Jokipii-Lukkari, S., Salo, H. M., Häggman, H., Benevenuto, J., & Munoz, P. R. (2022). Chloroplast genome assemblies and comparative analyses of commercially important *Vaccinium* berry crops. *Scientific Reports*, 12(1), #21600.
- Fan, K., Fu, L., Liu, H., Qu, J., Zhang, G., Zhang, S., & Qiao, K. (2022). Reduced sensitivity to tebuconazole in *Botryosphaeria dothidea* isolates collected from major apple production areas of China. *Plant Disease*, 106(11), 2817-2822.
- Fan, P., Ma, Z., Partow, A. J., Kim, M., Shoemaker, G. M., Tan, R., Tong, Z., Nelson, C. D., Jang, Y., & Jeong, K. C. (2022). A novel combination therapy for multidrug resistant pathogens using chitosan nanoparticles loaded with  $\beta$ -lactam antibiotics and  $\beta$ -lactamase inhibitors. *International Journal of Biological Macromolecules*, 195, 506-514.
- Fan, Q., Bibi, S., Vallad, G. E., Goss, E. M., Hurlbert, J. C., Paret, M. L., Jones, J. B., & Timilsina, S. (2022). Identification of genes in *Xanthomonas euvesicatoria* pv. *rosa* that are host limiting in tomato. *Plants*, 11(6), #796.
- Fan, Y., Mehta, D. V., Basheer, I. M., & MacIntosh, A. J. (2022). A review on underwater shockwave processing and its application in food technology. *Critical Reviews in Food Science and Nutrition*, 62(4), 980-988.

- Fan, Y., Schneider, K. R., & Sarnoski, P. J. (2022). Determining spoilage of whiteleg shrimp (*Litopenaeus vannamei*) during refrigerated storage using colorimetric strips. *Food Chemistry: X*, *14*, #100263.
- Fan, Z., Tieman, D. M., Knapp, S. J., Zerbe, P., Famula, R., Barbey, C. R., Folta, K. M., Amadeu, R. R., Lee, M., Oh, Y., Lee, S., & Whitaker, V. M. (2022). A multi-omics framework reveals strawberry flavor genes and their regulatory elements. *New Phytologist*, *236*(3), 1089-1107.
- Fanelli, A., Mantegazza, L., Hendrickx, S., & Capua, I. (2022). Thermostable vaccines in veterinary medicine: State of the art and opportunities to be seized. *Vaccines*, *10*(2), #245.
- Fanelli, A., Muñoz, O., Mantegazza, L., De Nardi, M., & Capua, I. (2022). Is the COVID-19 pandemic impacting on the risk of African Swine Fever virus (ASFV) introduction into the United States? A short-term assessment of the risk factors. *Transboundary and Emerging Diseases*, *69*(4), e505-e516.
- Fang, Y., Changavi, A., Yang, M., Sun, L., Zhang, A., Sun, D., Sun, Z., Zhang, B., & Xu, M. Q. (2022). Nanopore whole transcriptome analysis and pathogen surveillance by a novel solid-phase catalysis approach. *Advanced Science*, *9*(3), #2103373.
- Fang, Y., Nunez, G., Fisher, P., & Munoz, P. R. (2022). Effect of container size, substrate composition, and genotype on growth and fruit quality of young southern highbush blueberry in a container-based intensive production system. *Scientia Horticulturae*, *302*, #111149.
- Fard, S. Z., Hemmati, S. A., Shishehbor, P., & Stelinski, L. L. (2022). Growth, consumption and digestive enzyme activities of *Spodoptera littoralis* (Boisd) on various mung bean cultivars reveal potential tolerance traits. *Journal of Applied Entomology*, *146*(9), 1145-1154.
- Farid, R. H., Karelus, D. L., & Hull, V. (2022). Age- and sex-specific survival of the Gunnison's prairie dog (*Cynomys gunnisoni*). *Ecosphere*, *13*(3), #e3937.
- Farooq, N., Ather, L., Shafiq, M., Nawaz-ul-Rehman, M. S., Haseeb, M., Anjum, T., Abbas, Q., Hussain, M., Ali, N., Asad Abbas, S. A. A., Mushtaq, S., Haider, M. S., Sadiq, S., & Shahid, M. A. (2022). Magnetofection approach for the transformation of okra using green iron nanoparticles. *Scientific Reports*, *12*, #16568.
- Faske, T. R., Kandel, Y., Allen, T. W., Grabau, Z. J., Hu, J., Kemerait, R. C., Lawrence, G. W., Lawrence, K. S., Mehl, H. L., Overstreet, C., Thiessen, L. D., & Wheeler, T. (2022). Meta-analysis of the field efficacy of seed- and soil-applied nematicides on *Meloidogyne incognita* and *Rotylenchulus reniformis* across the U.S. cotton belt. *Plant Disease*, *106*(8), 2228-2238.

- Fellows, C. J., Anderson, T. D., & Swale, D. R. (2022). Acute toxicity of atrazine, alachlor, and chlorpyrifos mixtures to honey bees. *Pesticide Biochemistry and Physiology*, 188, #105271.
- Fenton, M. P., Forthun, L. F., Aristild, S., & Vasquez, K. B. (2022). The role of the rural context in the transition to adulthood: A scoping review. *Adolescent Research Review*, 7(1), 101-126.
- Ferand, N., Coleman, B., & Bunch, J. C. (2022). Student teachers' perceptions of motivation, independence, and supervision preferences: An exploratory study. *Advancements in Agricultural Development*, 3(3), 14-28.
- Ferand, N. K., DiBenedetto, C. A., Myers, B. E., & Barry, D. M. (2022). Implications of science illumination on student content knowledge of technical floriculture and core scientific ideas. *Journal of Agricultural Education*, 63(2), 169-185.
- Fernández, J., Messina, C., Salinas, A., Prasad, P., Nippert, J. X., & Ciampitti, I. (2022). Kernel weight contribution to yield genetic gain of maize: A global review and US case studies. *Journal of Experimental Botany*, 73(11), 3597-3609.
- Ferrão, L. F. V., Sater, H., Lyrene, P., Amadeu, R. R., Sims, C. A., Tieman, D. M., & Munoz, P. R. (2022). Terpene volatiles mediates the chemical basis of blueberry aroma and consumer acceptability. *Food Research International*, 158, #111468.
- Ferrari, M., Lindholm, A. K., Ozgul, A., Oli, M. K., & König, B. (2022). Cooperation by necessity: Condition- and density-dependent reproductive tactics of female house mice. *Communications Biology*, 5(1), #348.
- Ferreira, I. M., Homem, B. G. C., de Lima, I. B. G., Dubeux, J. C. B., Bernardes, T. F., Danés, M. A. C., & Casagrande, D. R. (2022). Twenty-five-centimeter pre-grazing canopy height in palisade grass and forage peanut. *Scientia Agricola*, 79(2), #e20200090.
- Ferreira, J. P., Isidoro, C., Sa, F. M. E., & Mota, J. C. (2022). Economic benefits of cycling on a local scale: Estimation of potential environmental, energy, and health impacts in Portugal. *Finisterra-Revista Portuguesa De Geografia*, 57(119), 87-107.
- Ferreira, M. A., Netto, A. J., Siqueira, M. C. B., & Dubeux, J. C. B. (2022). Forage cactus as the basis of livestock systems in drylands. *Acta Horticulturae*, 1343, 47-54.
- Feyisa, T., Tolera, A., Nurfeta, A., Balehegn, M., Yigrem, S., Bedaso, M., Boneya, M., & Adesogan, A. (2022). Assessment of fodder resources in Ethiopia: Biomass production and nutritional value. *Agronomy Journal*, 114(1), 8-25.
- Field, J. L., Zhang, Y., Marx, E., Boote, K. J., Easter, M., George, S., Hoghooghi, N., Johnston, G., Masum, F. H., Mulvaney, M. J., Paustian, K., Seepaul, R., Swan, A., Williams, S., Wright, D., & Dwivedi, P. (2022). Modeling yield, biogenic emissions, and carbon sequestration in southeastern cropping systems with winter *Carinata*. *Frontiers in Energy Research*, 10, #837883.



- Fikry, A. M., Radhi, K. S., Abourehab, M. A. S., Sayed-Ahmed, T. A. M. A., Ibrahim, M. M., Mohsen, F. S., Abdou, N. A., Omar, A. A., Elesawi, I. E., & El-Saadony, M. T. (2022). Effect of inorganic and organic nitrogen sources and biofertilizer on Murcott mandarin fruit quality. *Life*, *12*(12), #2120.
- Fill, J. M., Tricone, F., Muschamp, M., Crandall, R. M., & Anderson, R. (2022). Landscape heterogeneity increases survival of *Pinus caribaea* var. *hondurensis* juveniles in a frequently burned, humid savanna. *Biotropica*, *54*(3), 551-555.
- Finegan, C., Boehlein, S. K., Leach, K. A., Madrid, G., Hannah, L. C., Koch, K. E., Tracy, W. F., & Resende, M. F. R. (2022). Genetic perturbation of the starch biosynthesis in maize endosperm reveals sugar-responsive gene networks. *Frontiers in Plant Science*, *12*, #800326.
- Fisch, N., Ahrens, R., Shertzer, K., & Camp, E. (2022). An empirical comparison of alternative likelihood formulations for composition data, with application to cobia and Pacific hake. *Canadian Journal of Fisheries and Aquatic Sciences*, *79*(10), 1745-1764.
- Fleming, P. M., & Savchenko, O. M. (2022). Intention versus action: Household adoption of best management practices for water quality. *Water Resources Research*, *58*(7), #e2021wr029684.
- Fletcher, R. J., Sefair, J. A., Kortessis, N., Jaffe, R., Holt, R. D., Robertson, E. P., Duncan, S. I., Marx, A. J., & Austin, J. D. (2022). Extending isolation by resistance to predict genetic connectivity. *Methods in Ecology and Evolution*, *13*(11), 2463-2477.
- Flor, N. C., Wright, A. F., Huguet-Tapia, J., Harmon, P. F., & Liberti, D. (2022). Identification of fungi in the *Botryosphaeriaceae* family associated with stem blight of *Vaccinium* spp. in the southeastern United States. *Fungal Biology*, *126*(5), 342-355.
- Flores-Rivera, X. L., Paula-Moraes, S. V., Johnson, J. W., Jack, C. J., & Perera, O. P. (2022). *Helicoverpa* genus on the edge of the continental U.S.: Flight phenology, analysis of hybrid presence, and insecticide performance in high-input field crops in Puerto Rico. *Frontiers in Insect Science*, *2*, #1010310.
- Flory, S. L., Dillon, W., & Hiatt, D. (2022). Interacting global change drivers suppress a foundation tree species. *Ecology Letters*, *25*(4), 971-980.
- Folimonova, S. Y., & Sun, Y. D. (2022). Citrus tristeza virus: From pathogen to panacea. *Annual Review of Virology*, *9*(1), 417-435.
- Folt, B., Marshall, M., Emanuel, J. A., Dziadzio, M., Cooke, J., Mena, L., Hinderliter, M., Hoffmann, S., Rankin, N., Tupy, J., & McGowan, C. (2022). Using predictions from multiple anthropogenic threats to estimate future population persistence of an imperiled species. *Global Ecology and Conservation*, *36*, #e02143.
- Forthman, M., Miller, C. W., & Kimball, R. T. (2022). Phylogenomic analysis with improved taxon sampling corroborates an Alydidae + Hydarinae + Pseudophloeinae clade

- (Heteroptera: Coreoidea: Alydidae, Coreidae). *Organisms Diversity and Evolution*, 22(3), 669-679.
- Foxx, R. K., Jake-Schoffman, D. E., Mathews, A. E., Cheong, J., & Yurasek, A. M. (2022). Relative reinforcement from physical activity in real-world environments: A novel application of behavioral economics. *Journal of Behavioral Medicine*, 45(6), 914-924.
- Fragoso, J. M. V., Antunes, A. P., Silvius, K. M., Constantino, P. A. L., Zapata-Ríos, G., Bizri, H. R. E., Bodmer, R. E., (+ 14 authors including Hallett, M. T.), & Altrichter, M. (2022). Large-scale population disappearances and cycling in the white-lipped peccary, a tropical forest mammal. *PLOS ONE*, 17(10), #e0276297.
- Francis, B., Venn, T., Lewis, T., & Brawner, J. (2022). Case studies of the financial performance of silvopastoral systems in southern Queensland, Australia. *Forests*, 13(2), #186.
- Freidenreich, A., Dattamudi, S., Li, Y., & Jayachandran, K. (2022). Influence of leguminous cover crops on soil chemical and biological properties in a no-till tropical fruit orchard. *Land*, 11(6), #932.
- Fu, B., Sun, E., Yong, C., Chen, L., Wei, Z., Huang, H., Gao, B., & Qu, P. (2022). Binderless board made from composted rice straw as substrate for rice seedlings. *BioResources*, 17(3), 5000-5010.
- Fu, Y., Shrestha, S., Moon, P., & Meru, G. (2022). Embryo rescue protocol for interspecific hybridization in squash. *Journal of Visualized Experiments*(187), #e64071.
- Fulton, J. C., Brawner, J. T., Huguet-Tapia, J. C., Smith, K. E., Fernandez, R., & Dufault, N. S. (2022). Six de novo assemblies from pathogenic and nonpathogenic strains of *Fusarium oxysporum* f. sp. *niveum*. *PhytoFrontiers*, 2(1), 3-9.
- Fulton, J. C., Yu, P. L., Smith, K. E., Huguet-Tapia, J. C., Hudson, O., Meeks, A., Quesada, T., McKeever, K., & Brawner, J. T. (2022). Comparative genomics of *Fusarium circinatum* isolates used to screen southern pines for pitch canker resistance. *Molecular Plant-Microbe Interactions*, 35(6), 477-487.
- Gaines, K. C., Stelinski, L. L., Neupane, S., & Diepenbrock, L. M. (2022). Detectability of hibiscus mealybug, *Nipaecoccus viridis* (Hemiptera: Pseudococcidae), DNA in the mealybug destroyer, *Cryptolaemus montrouzieri* (Coleoptera: Coccinellidae), and survey of its predators in Florida citrus groves. *Journal of Economic Entomology*, 115(5), 1583-1591.
- Gaire, S., Albrecht, U., Batuman, O., Qureshi, J., Zekri, M., & Alferez, F. (2022). Individual protective covers (IPCs) to prevent Asian citrus psyllid and *Candidatus Liberibacter asiaticus* from establishing in newly planted citrus trees. *Crop Protection*, 152, #105862.
- Gairhe, B., Dittmar, P., Kadyampakeni, D., Batuman, O., Alferez, F., & Kanissery, R. (2022). Effects of glyphosate application on preharvest fruit drop and yield in 'Valencia' citrus. *HortScience*, 57(8), 897-900.

- Gama, A. B., Peres, N. A., Singerman, A., & Dewdney, M. M. (2022). Evaluation of disease alert systems for postbloom fruit drop of citrus in Florida and economic impact of adopting the citrus advisory system. *Crop Protection*, *155*, #105906.
- Gama, A. B., Perondi, D., Dewdney, M. M., Fraisse, C. W., Small, I. M., & Peres, N. A. (2022). Evaluation of a multi-model approach to estimate leaf wetness duration: An essential input for disease alert systems. *Theoretical and Applied Climatology*, *149*(1/2), 83-99.
- Gamal El-Dien, O., Shalev, T. J., Yuen, M. M. S., Stirling, R., Daniels, L. D., Breinholt, J. W., Neves, L. G., Kirst, M., Van der Merwe, L., Yanchuk, A. D., Ritland, C., Russell, J. H., & Bohlmann, J. (2022). Genomic selection reveals hidden relatedness and increased breeding efficiency in western redcedar polycross breeding. *Evolutionary Applications*, *15*(8), 1291-1312.
- Gao, F., Wu, B., Zou, C., Bao, Y., Li, D., Yao, W., Powell, C. A., & Zhang, M. (2022). Genetic diversity of "*Candidatus Liberibacter asiaticus*" based on four hypervariable genomic regions in China. *Microbiology Spectrum*, *10*(6), #e02622-22.
- Gao, Y., Wu, P., Jeyakumar, P., Bolan, N., Wang, H., Gao, B., Wang, S., & Wang, B. (2022). Biochar as a potential strategy for remediation of contaminated mining soils: Mechanisms, applications, and future perspectives. *Journal of Environmental Management*, *313*, #114973.
- Garcia, A., Crusciol, C. A. C., Rosolem, C. A., Bossolani, J. W., Nascimento, C. A. C., McCray, J. M., dos Reis, A. R., & Cakmak, I. (2022). Potassium-magnesium imbalance causes detrimental effects on growth, starch allocation and Rubisco activity in sugarcane plants. *Plant and Soil*, *472*(1-2), 225-238.
- Garcia, L., Molina, M. C., Padgett-Pagliai, K. A., Torres, P. S., Bruna, R. E., García Vescovi, E., González, C. F., Gadea, J., & Marano, M. R. (2022). A serralysin-like protein of *Candidatus Liberibacter asiaticus* modulates components of the bacterial extracellular matrix. *Frontiers in Microbiology*, *13*, #1006962.
- García-García, J. D., van Gelder, K., Joshi, J., Bathe, U., Leong, B. J., Bruner, S. D., Liu, C. C., & Hanson, A. D. (2022). Using continuous directed evolution to improve enzymes for plant applications. *Plant Physiology*, *188*(2), 971-983.
- Garlock, T., Anderson, J. L., Asche, F., Smith, M. D., Camp, E., Chu, J., Lorenzen, K., & Vannuccini, S. (2022). Global insights on managing fishery systems for the three pillars of sustainability. *Fish and Fisheries*, *23*(4), 899-909.
- Garlock, T., Asche, F., Anderson, J., Ceballos-Concha, A., Love, D. C., Osmundsen, T. C., & Pincinato, R. B. M. (2022). Aquaculture: The missing contributor in the food security agenda. *Global Food Security*, *32*, #100670.
- Garner, S. B., Ahrens, R., Boswell, K. M., Campbell, M. D., Correa, D., Tarnecki, J. H., & Patterson, W. F. (2022). A multidisciplinary approach to estimating red snapper, *Lutjanus*

- campechanus*, behavioral response to mobile camera and sonar sampling gears. *Fisheries Research*, 246, #106155.
- Garrison, S. T., Gillen, M., & Cooley, M. (2022). Caregivers' perspectives of the Florida guardianship assistance program and its impact on the children in their care. *Child and Adolescent Social Work Journal*, 39(5), 641-650.
- Garrison, S. T., Gillen, M., King, L. M., Cutshall, K., & Howitt, A. (2022). Child maltreatment, adverse childhood experiences, and the public health approach: A systematic literature review. *International Journal on Child Maltreatment: Research, Policy and Practice*, 5(4), 541-571.
- Garrison, S. T., Rampold, S. D., Vasquez, K., Gillen, M., & Baker, L. M. (2022). Parents' employment, income, and finances before and during the COVID-19 pandemic. *Journal of Consumer Affairs*, 56(1), 276-291.
- Garsow, A. V., Biondi, M. R., Kowalczyk, B. B., Vipham, J. L., Kovac, J., Amenu, K., Zewdu, A., & Colverson, K. E. (2022). Exploring the relationship between gender and food safety risks in the dairy value chain in Ethiopia. *International Dairy Journal*, 124, #105173.
- Garsow, A. V., Kim, E. G., Colverson, K. E., Ilic, S., Kunyanga, C., Bainah, A., & Kowalczyk, B. B. (2022). A review of the roles of men, women, and youth in ensuring food safety in the smallholder poultry value chain in Kenya. *Frontiers in Sustainable Food Systems*, 6, #1041472.
- Garzon-Lopez, C. X., Barcenas, E. M., Ordoñez, A., Jansen, P. A., Bohlman, S. A., & Olf, H. (2022). Recruitment limitation in three large-seeded plant species in a tropical moist forest. *Biotropica*, 54(2), 418-430.
- Gatti, R. C., Reich, P. B., Gamarra, J. G. P., Crowther, T., Hui, C., Morera, A., Bastin, J. F., (+ 139 authors including Baraloto, C., Broadbent, E. N.), & Liang, J. (2022). The number of tree species on Earth. *Proceedings of the National Academy of Sciences of the United States of America*, 119(6), #e2115329119.
- Gattoni, K., Gendron, E. M. S., Borgmeier, A., McQueen, J. P., Mullin, P. G., Powers, K., Powers, T. O., & Porazinska, D. (2022). Context-dependent role of abiotic and biotic factors structuring nematode communities along two environmental gradients. *Molecular Ecology*, 31(14), 3903-3916.
- Gaulee, P., Yang, Z., Sura, L., Xu, H., Rossignol, C., Weiss, M. D., & Bliznyuk, N. (2022). Concentration of serum biomarkers of brain injury in neonates with a low cord pH with or without mild hypoxic-ischemic encephalopathy. *Frontiers in Neurology*, 13, #934755.
- Gazis, R., DeWitt, K. M., Johnson, L. K., Chamberlin, L. A., Kennedy, A. H., Hansen, M. A., & Bush, E. A. (2022). First report of laurel wilt disease caused by *Raffaelea lauricola* on sassafras in Virginia. *Plant Disease*, 106(6), #1763.

- Gebremicael, T. G., Deitch, M. J., Gancel, H. N., Croteau, A. C., Haile, G. G., Beyene, A. N., & Kumar, L. (2022). Satellite-based rainfall estimates evaluation using a parsimonious hydrological model in the complex climate and topography of the Nile River catchments. *Atmospheric Research*, 266, #105939.
- George, J., Kanissery, R., Bashyal, M., Tamayo, B., & Stelinski, L. L. (2022). Survival and feeding behavior of *Diaphorina citri* (Hemiptera: Liviidae) adults on common cover crops in citrus. *Agriculture*, 12(12), #2175.
- Gerson, J. R., Szponar, N., Zambrano, A. A., Bergquist, B., Broadbent, E., Driscoll, C. T., Erkenswick, G., (+ 15 authors), & Bernhardt, E. S. (2022). Amazon forests capture high levels of atmospheric mercury pollution from artisanal gold mining. *Nature Communications*, 13(1), #559.
- Gettys, L. A., Thayer, K. L., & Sigmon, J. W. (2022). Phytotoxic effects of acetic acid and d-limonene on four aquatic plants. *HortTechnology*, 32(2), 110-118.
- Ghasemi, V., Salehinejad, A., Ghadamyari, M., Jack, C. J., & Sharifi, M. (2022). Toxic evaluation of Proclaim Fit® on adult and larval worker honey bees. *Ecotoxicology*, 31(9), 1441-1449.
- Ghimire, B., Mergoum, M., Martinez-Espinoza, A. D., Sapkota, S., Pradhan, S., Babar, M. A., Bai, G., Dong, Y., & Buck, J. W. (2022). Genetics of Fusarium head blight resistance in soft red winter wheat using a genome-wide association study. *Plant Genome*, 15(3), #e20222.
- Gholizadeh, H., Friedman, M. S., McMillan, N. A., Hammond, W. M., Hassani, K., Sams, A. V., Charles, M. D., Garrett, D. R., Joshi, O., Hamilton, R. G., Fuhlendorf, S. D., Trowbridge, A. M., & Adams, H. D. (2022). Mapping invasive alien species in grassland ecosystems using airborne imaging spectroscopy and remotely observable vegetation functional traits. *Remote Sensing of Environment*, 271, #112887.
- Giles, M. R., Nash, T., Greenhaw, L. L., Rampold, S. D., & Hurdle, J. C. (2022). Examining ethical typologies of agricultural and natural resources leaders: A Q study. *Journal of Agricultural Education*, 63(3), 266-282.
- Gill, N., & Dhillon, B. (2022). RNA-seq data analysis for differential expression. *Methods in Molecular Biology*, 2391, 45-54.
- Giordani, W., Gama, H. C., Chiorato, A. F., Marques, J. P. R., Huo, H., Benchimol-Reis, L. L., Camargo, L. E. A., Garcia, A. A. F., & Vieira, M. L. C. (2022). Genetic mapping reveals complex architecture and candidate genes involved in common bean response to *Meloidogyne incognita* infection. *Plant Genome*, 15(1), #e20161.
- Giovanni, B., Apolinar, S. M., Manuel, M. B. J., & Leonardo, I. C. (2022). Technical-economic viability of white snook *Centropomus viridis* culture in floating cages in a coastal lagoon in northwestern Mexico. *Aquaculture Reports*, 23, #101048.

- Gleason, S. M., Barnard, D. M., Green, T. R., Mackay, S., Wang, D. R., Ainsworth, E. A., Altenhofen, J., (+ 19 authors including Messina, C. D.), & Zhang, H. (2022). Physiological trait networks enhance understanding of crop growth and water use in contrasting environments. *Plant Cell and Environment*, 45(9), 2554-2572.
- Gloaguen, R. M., Brym, Z. T., Peeples, J., Xu, W., Chun, H. C., & Rowland, D. L. (2022). The plasticity of early root development in *Sesamum indicum* L. as influenced by genotype, water, and nutrient availability. *Rhizosphere*, 21, #100457.
- Gloria-Soria, A., Shragai, T., Ciota, A. T., Duval, T. B., Alto, B. W., Martins, A. J., Westby, K. M., Medley, K. A., Unlu, I., Campbell, S. R., Kawalkowski, M., Tsuda, Y., Higa, Y., Indelicato, N., Leisnham, P. T., Caccone, A., & Armstrong, P. M. (2022). Population genetics of an invasive mosquito vector, *Aedes albopictus* in the Northeastern USA. *NeoBiota*, 78(4), 99-127.
- Godoy, C. C. N., Pienaar, E. F., & Branch, L. C. (2022). Willingness of private landowners to participate in forest conservation in the Chaco region of Argentina. *Forest Policy and Economics*, 138, #102708.
- Goeckner, A. H., Lusk, M. G., Reisinger, A. J., Hosen, J. D., & Smoak, J. M. (2022). Florida's urban stormwater ponds are net sources of carbon to the atmosphere despite increased carbon burial over time. *Communications Earth and Environment*, 3(1), #53.
- Gohar, D., Põldmaa, K., Tedersoo, L., Aslani, F., Furneaux, B., Henkel, T. W., Saar, I., Smith, M. E., & Bahram, M. (2022). Global diversity and distribution of mushroom-inhabiting bacteria. *Environmental Microbiology Reports*, 14(2), 254-264.
- Goharrizi, K. J., Karami, S., Basaki, T., Dehnavi, M. M., Nejat, M. A., Momeni, M. M., & Meru, G. (2022). Transcriptomic and proteomic mechanisms underlying cold tolerance in plants. *Biologia Plantarum*, 66, 240-254.
- Gómez, S., & Gómez, C. (2022). Evaluating the use of biostimulants for indoor hydroponic lettuce production. *HortTechnology*, 32(4), 348-355.
- Gómez-Pineda, E., Hammond, W. M., Trejo-Ramirez, O., Gil-Fernández, M., Allen, C. D., Blanco-García, A., & Sáenz-Romero, C. (2022). Drought years promote bark beetle outbreaks in Mexican forests of *Abies religiosa* and *Pinus pseudostrobus*. *Forest Ecology and Management*, 505, #119944.
- Gomez-Zapata, P. A., Smith, M. E., Frank, M. S., & Aime, M. C. (2022). First report of *Pucciniastrum boehmeriae* in north America, causing rust disease in bog hemp. *Plant Health Progress*, 23(4), 476-477.
- Gong, T., Brecht, J. K., Hutton, S. F., Koch, K. E., & Zhao, X. (2022). Tomato fruit quality is more strongly affected by scion type and planting season than by rootstock type. *Frontiers in Plant Science*, 13, #948556.

- Gong, T., Brecht, J. K., Koch, K. E., Hutton, S. F., & Zhao, X. (2022). A systematic assessment of how rootstock growth characteristics impact grafted tomato plant biomass, resource partitioning, yield, and fruit mineral composition. *Frontiers in Plant Science*, *13*, #948656.
- Gong, T., Zhang, X., Brecht, J. K., Black, Z. E., & Zhao, X. (2022). Grape tomato growth, yield, and fruit mineral content as affected by rootstocks in a high tunnel organic production system. *HortScience*, *57*(10), 1267-1277.
- Gong, T., Zhang, X., Brecht, J. K., Serrano, T., Sims, C. A., Colee, J., & Zhao, X. (2022). Instrumental and sensory analyses of fruit quality attributes of grafted grape tomatoes in high tunnel organic production systems. *Journal of the Science of Food and Agriculture*, *102*(15), 7268-7281.
- Gonzalez, J. M., Ghosh, N., Colantonio, V., Pereira, F. D. C., Pinto, R. A., Wasson, C., Leach, K. A., & Resende, M. F. R. (2022). EarCV: An open-source, computer vision package for maize ear phenotyping. *Plant Phenome Journal*, *5*(1), #e20055.
- Gonzalez, S. C., & Laughinghouse, H. L. (2022). Aquatic invertebrates of remnant Florida scrub in Martin County, Southeastern Florida. *Southeastern Naturalist*, *21*(1), 42-50.
- Gonzalez-Akre, E., Pioniot, C., Lepore, M., Herrmann, V., Lutz, J. A., Baltzer, J. L., Dick, C. W., Gilbert, G. S., He, F., Heym, M., Huerta, A. I., Jansen, P. A., Johnson, D. J., Knapp, N., Král, K., Lin, D., Malhi, Y., McMahan, S. M., Myers, J. A.(...). (2022). allodb: An R package for biomass estimation at globally distributed extratropical forest plots. *Methods in Ecology and Evolution*, *13*(2), 330-338.
- Gonzalez-Perez, A., Abd-Elrahman, A., Wilkinson, B., Johnson, D. J., & Carthy, R. R. (2022). Deep and machine learning image classification of coastal wetlands using unpiloted aircraft system multispectral images and lidar datasets. *Remote Sensing*, *14*(16), #3937.
- Goode, A. B. C., Tipping, P. W., Gettys, L. A., Knowles, B. K., Pokorny, E., & Salinas, L. S. (2022). Integrating herbicide rates, coverage, and classical biological control insects (*Megamelus scutellaris*, *Neochetina eichhorniae*, and *Neochetina bruchi*) to manage *Pontederia* (*Eichhornia*) *crassipes*. *Biological Control*, *170*, #104930.
- Gordon, J. M., Velenovsky, J. F., & Chouvinc, T. (2022). Subterranean termite colony elimination can be achieved even when only a small proportion of foragers feed upon a CSI bait. *Journal of Pest Science*, *95*(3), 1207-1216.
- Gorucu, S., Michael, J., & Chege, K. (2022). Nonfatal agricultural injuries treated in emergency departments: 2015-2019. *Journal of Agromedicine*, *27*(1), 41-50.
- Gorucu, S., Pate, M. L., Fetzer, L., & Brown, S. (2022). Farmers' perceptions of grain bin entry hazards. *Journal of Agricultural Safety and Health*, *28*(1), 19-30.
- Gorucu, S., Weichelt, B., & Burke, R. (2022). Injuries and fatalities related to skid steers: 2015–2020. *Safety*, *8*(3), #56.

- Gouveia, B. T., Mateus, R. G., Barrios, S. C. L., do Valle, C. B., de Sousa Bueno Filho, J., Rios, E. F., Dias, A. M., & Nunes, J. A. R. (2022). Combining ability and selection for agronomic and nutritional traits in *Urochloa* spp. hybrids. *Grass and Forage Science*, 77(1), 33-44.
- Grabau, Z. J., Liu, C., Sandoval-Ruiz, R., & Mussoline, W. (2022). *Belonolaimus longicaudatus* host status and pathogenicity on sweetpotato. *Journal of Nematology*, 54(1), #20220019.
- Graham, J., Kroetz, A. M., Poulakis, G. R., Scharer, R. M., Carlson, J. K., Lowerre-Barbieri, S. K., Morley, D., Reyier, E. A., & Grubbs, R. D. (2022). Commercial fishery bycatch risk for large juvenile and adult smalltooth sawfish (*Pristis pectinata*) in Florida waters. *Aquatic Conservation: Marine and Freshwater Ecosystems*, 32(3), 401-416.
- Grande, E., Arora, B., Visser, A., Montalvo, M., Braswell, A., Seybold, E., Tatariw, C., Beheshti, K., & Zimmer, M. (2022). Tidal frequencies and quasiperiodic subsurface water level variations dominate redox dynamics in a salt marsh system. *Hydrological Processes*, 36(6), #e14587.
- Gray, M. M., Sieving, K. E., & Cox, J. A. (2022). The nuthatch and the hare: Slow explorers dominate in a re-established population of the Brown-headed Nuthatch (*Sitta pusilla*) two decades later. *Avian Conservation and Ecology*, 17(1), #7.
- Green, K. D., Tiffin, H. S., Brown, J. E., Burgess Iv, E. R., & Machtinger, E. T. (2022). Evaluation of tick control tube month of placement and modifications to increase visitation by small mammals. *Ecosphere*, 13(7), #e4155.
- Greenwald, S. J., Van Treese, J. W., Olexa, M. T., & Brock, C. M. (2022). Nuisance trees: The Massachusetts or Hawaii rule? *Florida Bar Journal*, 96(6), 32-39.
- Greenway, E. V., Hamel, J. A., & Miller, C. W. (2022). A tangled web: Comparing inter- and intraspecific mating dynamics in *Anasa* squash bugs. *Journal of Evolutionary Biology*, 35(1), 91-99.
- Griffin, L. P., Brownscombe, J. W., Adams, A. J., Holder, P. E., Filous, A., Casselberry, G. A., Wilson, J. K., Boucek, R. E., Lowerre-Barbieri, S. K., Acosta, A., Morley, D., Cooke, S. J., & Danylchuk, A. J. (2022). Seasonal variation in the phenology of Atlantic tarpon in the Florida Keys: Migration, occupancy, repeatability, and management implications. *Marine Ecology Progress Series*, 684, 133-155.
- Griffin, L. P., Casselberry, G. A., Lowerre-Barbieri, S. K., Acosta, A., Adams, A. J., Cooke, S. J., Filous, A., Friess, C., Guttridge, T. L., Hammerschlag, N., Heim, V., Morley, D., Rider, M. J., Skomal, G. B., Smukall, M. J., Danylchuk, A. J., & Brownscombe, J. W. (2022). Predator-prey landscapes of large sharks and game fishes in the Florida Keys. *Ecological Applications*, 32(5), #e2584.
- Grijalva, C. J., Levy, J. K., Walden, H. S., Crawford, P. C., Pine, W. E., & Hernandez, J. A. (2022). Estimating the dog population, responsible pet ownership, and intestinal



- parasitism in dogs in Quito, Ecuador. *Journal of Shelter Medicine and Community Animal Health*, 1, #6.
- Grossman, A. B., Vermerris, W., & Rice, K. C. (2022). Dysregulation of cell envelope homeostasis in *Staphylococcus aureus* exposed to solvated lignin. *Applied and Environmental Microbiology*, 88(15), #e0054822.
- Gruninger, R. J., Zhang, X. M., Smith, M. L., Kung, L. M., Vyas, D., McGinn, S. M., Kindermann, M., Wang, M., Tan, Z. L., & Beauchemin, K. A. (2022). Application of 3-nitrooxypropanol and canola oil to mitigate enteric methane emissions of beef cattle results in distinctly different effects on the rumen microbial community. *Animal Microbiome*, 4(1), #35.
- Grunwald, S. (2022). Artificial intelligence and soil carbon modeling demystified: Power, potentials, and perils. *Carbon Footprints*, 1(1), #5.
- Gu, M., Bui, H. X., Desaeger, J. A., & Agehara, S. (2022). First report of *Meloidogyne javanica* on globe artichoke in Florida, U.S.A. *Plant Disease*, 106(7), #2001.
- Gu, W., Madrid, D. M. C., Joyce, S., & Driver, J. P. (2022). A single-cell analysis of thymopoiesis and thymic iNKT cell development in pigs. *Cell reports*, 40(1), #110050.
- Guan, Z., Abd-Elrahman, A., Whitaker, V., Agehara, S., Wilkinson, B., Gastellu-Etchegorry, J. P., & Dewitt, B. (2022). Radiative transfer image simulation using L-system modeled strawberry canopies. *Remote Sensing*, 14(3), #548.
- Guarin, J. R., Martre, P., Ewert, F., Webber, H., Dueri, S., Calderini, D., Reynolds, M., (+ 51 authors), & Asseng, S. (2022). Evidence for increasing global wheat yield potential. *Environmental Research Letters*, 17(12), #124045.
- Guerra, V. A., Beule, L., Mackowiak, C. L., Dubeux, J. C. B., Blount, A. R. S., Wang, X. B., Rowland, D. L., & Liao, H. L. (2022). Soil bacterial community response to rhizoma peanut incorporation into Florida pastures. *Journal of Environmental Quality*, 51(1), 55-65.
- Guha, A., Vharachumu, T., Khalid, M. F., Keeley, M., Avenson, T. J., & Vincent, C. (2022). Short-term warming does not affect intrinsic thermotolerance but induces strong sustaining photoprotection in tropical evergreen citrus genotypes. *Plant, Cell & Environment*, 45(1), 105-120.
- Gui, X., Ren, Z., Xu, X., Chen, X., Chen, M., Wei, Y., Zhao, L., Qiu, H., Gao, B., & Cao, X. (2022). Dispersion and transport of microplastics in three water-saturated coastal soils. *Journal of Hazardous Materials*, 424, #127614.
- Gümüş, B., Gümüş, E., Odabaşı-Kırlı, A., & Balaban, M. O. (2022). Image analysis-based quantification of the visual attributes of fish, with emphasis on color and visual texture. *International Journal of Food Engineering*, 18(5), 411-423.

- Guo, H., Qi, X., Li, T., Fan, Y., Huo, H., Yu, Q., & Zeng, F. (2022). Editorial: Molecular basis of asexual reproduction and its application in crops. *Frontiers in Plant Science*, *13*, #1033212.
- Guo, X., Ahlawat, Y. K., Liu, T., & Zare, A. (2022). Evaluation of postharvest senescence of broccoli via hyperspectral imaging. *Plant Phenomics*, *2022*, #9761095.
- Guo, X., Chu, L., Gu, T., Purohit, S., Kou, L., & Zhang, B. (2022). Long-term quality retention and decay inhibition of chestnut using thymol loaded chitosan nanoparticle. *Food Chemistry*, *374*, #131781.
- Guo, X., Guo, Y., Yu, J., Gu, T., Russo, H. B., Liu, Q., Du, J., Bai, J., Zhang, B., & Kou, L. (2022). X-ray irradiation - Nonthermal processing and preservation of fresh winter jujube (*Zizyphus jujuba* mill. cv. Dalidongzao). *Innovative Food Science & Emerging Technologies*, *81*, #103151.
- Gutierrez, A., Bell, R., & Schneider, K. R. (2022). Draft genome sequences of 278 *Salmonella enterica* isolates from poultry litter in the southeastern United States. *Microbiology Resource Announcements*, *11*(8), #e00387-22.
- Gutierrez, A., Havelaar, A. H., & Schneider, K. R. (2022). Antimicrobial efficacy of un-ionized ammonia (NH<sub>3</sub>) against *Salmonella typhimurium* in buffered solutions with variable pH, NH<sub>3</sub> concentrations, and urease-producing bacteria. *Microbiology Spectrum*, *10*(1), #e01850-21.
- Gutierrez, A., & Schneider, K. R. (2022). Survival and inactivation kinetics of *Salmonella enterica* serovar Typhimurium in irradiated and natural poultry litter microcosms. *PLOS ONE*, *17*(4), #e0267178.
- Haas, D., Thamm, A. M., Sun, J., Huang, L., Sun, L., Beaudoin, G. A. W., Wise, K. S., (+ 14 authors including Lerma-Ortiz, C., Hanson, A. D.), & de Crécy-Lagard, V. (2022). Metabolite damage and damage control in a minimal genome. *mBio*, *13*(4), #e01630-22.
- Habibi, F., Liu, T., Folta, K., & Sarkhosh, A. (2022). Physiological, biochemical, and molecular aspects of grafting in fruit trees. *Horticulture Research*, *9*, #uhac032.
- Habteweld, A., Davidson, W., Desaegeer, J., & Crow, W. T. (2022). First report of *Meloidogyne incognita* infecting *Mitragyna speciosa* in the United States. *Journal of Nematology*, *54*(1), #20220021.
- Hafner, K., Welt, B. A., & Pelletier, W. (2022). Method for routine density measurement of sublimating solid carbon dioxide (dry ice) for cold-chain quality control. *Journal of Applied Packaging Research*, *14*(1), #3.
- Hagos, Y. G., Andualem, T. G., Yibeltal, M., Malede, D. A., Melesse, A. M., Teshome, F. T., Bayabil, H. K., Kebede, E. A., Demissie, E. A., Mitku, A. B., & Mengie, M. A. (2022). Assessment of agricultural land suitability for surface irrigation using geospatial techniques in the lower Omo Gibe basin, Ethiopia. *Water*, *14*(23), #3887.

- Hall, B. M., Easterly, R. G., & Barry, D. M. (2022). A comparison of curricular resource use of Florida school-based agricultural education teachers by career stage. *Journal of Agricultural Education*, 63(4), 232-243.
- Hallman, L. M., Kadyampakeni, D. M., Ferrarezi, R. S., Wright, A. L., Ritenour, M. A., Johnson, E. G., & Rossi, L. (2022). Impact of ground applied micronutrients on root growth and fruit yield of severely huanglongbing-affected grapefruit trees. *Horticulturae*, 8(9), #763.
- Hallman, L. M., Kadyampakeni, D. M., Fox, J. P., Wright, A. L., & Rossi, L. (2022). Root-shoot nutrient dynamics of huanglongbing-affected grapefruit trees. *Plants*, 11(23), #3226.
- Hammond, W. M., Williams, A. P., Abatzoglou, J. T., Adams, H. D., Klein, T., López, R., Sáenz-Romero, C., Hartmann, H., Breshears, D. D., & Allen, C. D. (2022). Global field observations of tree die-off reveal hotter-drought fingerprint for Earth's forests. *Nature Communications*, 13(1), #1761.
- Hancock, R. G., Boyd, T., MacFadden, S., Sowders, A., Foster, W. A., & Lounibos, L. P. (2022). Mosquitoes eating mosquitoes: How *Toxorhynchites amboinensis*, *Psorophora ciliata*, and *Sabethes cyaneus* (Diptera: Culicidae) capture prey. *Annals of the Entomological Society of America*, 115(6), 461-471.
- Hand, K. P., Phillips, C. B., Murray, A., Garvin, J. B., Maize, E. H., Gibbs, R. G., Reeves, G., (+ 278 authors including Christner, B.), & Wasiolek, M. (2022). Science goals and mission architecture of the Europa Lander Mission concept. *Planetary Science Journal*, 3(1), #22.
- Hanson, A. D., & Zhao, Y. (2022). Plant physiology synthetic biology initiative. *Plant Physiology*, 190(1), 180-181.
- Harder, A., & Hughes, M. (2022). Assessing hygiene factor needs for a statewide extension strategic planning process. *Journal of Human Sciences and Extension*, 10(1), #7.
- Hargrove, J. S., Dockendorf, K. J., Potoka, K. M., Smith, C. A., Alvarez, V., & Austin, J. D. (2022). Largemouth bass hatchery contributions quantified via parentage-based tagging. *North American Journal of Fisheries Management*, 42(3), 758-774.
- Harling, J. F., Sollenberger, L. E., Rios, E. F., Dubeux, J. C. B., & Wallau, M. O. (2022). Managing bermudagrass competition to overseeded alfalfa. *Agrosystems, Geosciences and Environment*, 5(3), #e20279.
- Harmon, I., Marconi, S., Weinstein, B., Graves, S., Wang, D. Z., Zare, A., Bohlman, S., Singh, A., & White, E. (2022). Injecting domain knowledge into deep neural networks for tree crown delineation. *IEEE Transactions on Geoscience and Remote Sensing*, 60, #4415419.
- Harris, V. W., Anderson, J., & Visconti, B. (2022). Social emotional ability development (SEAD): An integrated model of practical emotion-based competencies. *Motivation and Emotion*, 46(2), 226-253.

- Harris-Coble, L., Balehegn, M., Adesogan, A. T., & Colverson, K. (2022). Gender and livestock feed research in developing countries: A review. *Agronomy Journal*, 114(1), 259-276.
- Hartmann, H., Bastos, A., Das, A. J., Esquivel-Muelbert, A., Hammond, W. M., Martínez-Vilalta, J., McDowell, N. G., Powers, J. S., Pugh, T. A. M., Ruthrof, K. X., & Allen, C. D. (2022) Climate change risks to global forest health: Emergence of unexpected events of elevated tree mortality worldwide. In: *Vol. 73. Annual Review of Plant Biology* (pp. 673-702).
- Hasan, M. M., Rahman, A. S. M. S., Athanassiou, C. G., Tussey, D. A., & Hahn, D. A. (2022). Induced dormancy in Indian meal moth *Plodia interpunctella* (Hübner) and its impact on the quality improvement for mass rearing in parasitoid *Habrobracon hebetor* (Say). *Bulletin of Entomological Research*, 112(6), 766-776.
- Hashmi, M. M., Kamran, Z., Manzoor, M., Shafiq, M., Qamar, M., Nisa, M. U., Haider, M. S., Ashfaq, M., & Shahid, M. A. (2022). Genome-wide identification and characterization of plant-specific transcription factor YABBY gene family in cucumber (*Cucumis sativus*) and its comparison with arabidopsis to reveal its role in abiotic stress responses. *Journal of Applied Research in Plant Sciences*, 3(02), 325-341.
- Hassan, M. M., Pilnick, A. R., Petrosino, A. M., Harpring, J., Schwab, C. J., O'Neil, K. L., & Patterson, J. T. (2022). Growth and foraging behavior of hatchery propagated long-spined sea urchins, *Diadema antillarum*: Implications for aquaculture and restocking. *Aquaculture Reports*, 26, #101298.
- Hatle, J. D., Maslikova, V., Short, C. A., Bracey, D., Darmanjian, M., Morningstar, S., Reams, B., Mashanov, V. S., Jahan-Mihan, A., & Hahn, D. A. (2022). Protein storage and reproduction increase in grasshoppers on a diet matched to the amino acids of egg yolk protein. *The Journal of Experimental Biology*, 225(17), #jeb244450.
- Havelaar, A. H., Brhane, M., Ahmed, I. A., Kedir, J., Chen, D., Deblais, L., French, N., (+ 15 authors including Li, X., Ojeda, A., Saleem, C., Singh, N., Yang, Y.), & McKune, S. (2022). Unravelling the reservoirs for colonisation of infants with *Campylobacter* spp. in rural Ethiopia: Protocol for a longitudinal study during a global pandemic and political tensions. *BMJ Open*, 12(10), #e061311.
- Havelaar, A. H., & McKune, S. L. (2021). Balancing the nutritional benefits and infection risks of livestock in low and middle-income countries. *OIE Panorama*, 2021(1), 2-5.
- Havelaar, A. H., Sapp, A. C., Amaya, M. P., Nane, G. F., Morgan, K. M., Devleeschauwer, B., Grace, D., Knight-Jones, T., & Kowalczyk, B. B. (2022). Burden of foodborne disease due to bacterial hazards associated with beef, dairy, poultry meat, and vegetables in Ethiopia and Burkina Faso, 2017. *Frontiers in Sustainable Food Systems*, 6, #e1024560.
- Haveman, N. J., & Schuerger, A. C. (2022). Diagnosing an opportunistic fungal pathogen on spaceflight-grown plants using the minion sequencing platform. *Astrobiology*, 22(1), 1-6.

- Haveman, N. J., Zhou, M. Q., Callaham, J., Strickland, H. F., Houze, D., Manning-Roach, S., Newsham, G., Paul, A. L., & Ferl, R. J. (2022). Utilizing the KSC fixation tube to conduct human-tended plant biology experiments on a suborbital spaceflight. *Life*, *12*(11), #1871.
- Hayes, C. T., Alford, S. B., Belgrad, B. A., Correia, K. M., Darnell, M. Z., Furman, B. T., Hall, M. O., Martin, C. W., McDonald, A. M., Smee, D. L., & Darnell, K. M. (2022). Regional variation in seagrass complexity drives blue crab *Callinectes sapidus* mortality and growth across the northern Gulf of Mexico. *Marine Ecology Progress Series*, *693*, 141-155.
- He, F., Borisova, T., Athearn, K., Hochmuth, R., & Barrett, C. (2022). Choosing nitrogen application rate recommendation given Florida's regulatory water policy. *HortScience*, *57*(11), 1387-1396.
- He, J., Yang, B., Hause, G., Rössner, N., Peiter-Volk, T., Schattat, M. H., Voiniciuc, C., & Peiter, E. (2022). The trans-Golgi-localized protein BICAT3 regulates manganese allocation and matrix polysaccharide biosynthesis. *Plant Physiology*, *190*(4), 2579-2600.
- He, M., Cao, Y., Xu, Z., You, S., Ruan, R., Gao, B., Wong, K. H., & Tsang, D. C. W. (2022). Process water recirculation for catalytic hydrothermal carbonization of anaerobic digestate: Water-energy-nutrient nexus. *Bioresource Technology*, *361*, #127694.
- He, M., Xu, Z., Hou, D., Gao, B., Cao, X., Ok, Y. S., Rinklebe, J., Bolan, N. S., & Tsang, D. C. W. (2022). Waste-derived biochar for water pollution control and sustainable development. *Nature Reviews Earth and Environment*, *3*(7), 444-460.
- He, S., Wei, Y., Yang, C., & He, Z. (2022). Interactions of microplastics and soil pollutants in soil-plant systems. *Environmental Pollution*, *315*, #120327.
- He, W., Wang, D., Yang, N., Cao, D., Chen, X., Chen, J., & Wei, X. (2022). In vitro shoot culture of *Sesuvium portulacastrum*: An important plant for phytoremediation. *Agriculture*, *12*(1), #47.
- He, W., Xie, R., Wang, Y., Chen, Q., Wang, H., Yang, S., Luo, Y., Zhang, Y., Tang, H., Gmitter, F. G., & Wang, X. (2022). Comparative transcriptomic analysis on compatible/incompatible grafts in *Citrus*. *Horticulture Research*, *9*, #uhab072.
- Healy, B. D., Moore, J. F., & Pine, W. E. (2022). Monitoring and managing fishes that are invisible and keep moving around: Influences of an invasive species and environmental factors on capture probability. *North American Journal of Fisheries Management*, *42*(2), 396-409.
- Healy, R. A., Arnold, A. E., Bonito, G., Huang, Y.-L., Lemmond, B., Pfister, D. H., & Smith, M. E. (2022). Endophytism and endolichenism in Pezizomycetes: the exception or the rule? *New Phytologist*, *233*(5), 1974-1983.

- Heckscher, C. M., Lloyd, J. E., & Branham, M. A. (2022). Redescription of *Photuris pensylvanica* (degeer) (Coleoptera: Lampyridae) with the designation of a neotype. *Coleopterists Bulletin*, 76(4), 503-509.
- Hegel, C. G. Z., Faria, G. M. M., Ribeiro, B., Salvador, C. H., Rosa, C., Pedrosa, F., Batista, G., Sales, L. P., Wallau, M., Fornel, R., & Aguiar, L. M. S. (2022). Invasion and spatial distribution of wild pigs (*Sus scrofa* L.) in Brazil. *Biological Invasions*, 24(12), 3681-3692.
- Hellemans, S., Wang, M., Hasegawa, N., Šobotník, J., Scheffrahn, R. H., & Bourguignon, T. (2022). Using ultraconserved elements to reconstruct the termite tree of life. *Molecular Phylogenetic Evolution*, 173, #107520.
- Heller, C. R., & Nunez, G. H. (2022). Preplant fertilization increases substrate microbial respiration but does not affect southern highbush blueberry establishment in a coconut coir-based substrate. *HortScience*, 57(1), 17-21.
- Hemmati, S. A., Shishehbor, P., & Stelinski, L. L. (2022). Life table parameters and digestive enzyme activity of *Spodoptera littoralis* (Boisd) (Lepidoptera: Noctuidae) on selected legume cultivars. *Insects*, 13(7), #661.
- Hendricks, K. E. M., Hernandez, R. N., Roberts, P. D., Isakeit, T., & Alabi, O. J. (2022). First report of watermelon crinkle leaf-associated virus 1 (WCLaV-1) and WCLaV-2 in watermelon (*Citrullus lanatus*) plants coinfecting with *Cucurbit chlorotic yellows virus* in Florida. *Plant Disease*, 106(1), 339-339.
- Hendrickson, T., Dunn, B. L., Goad, C., Hu, B., & Singh, H. (2022). Effects of elevated water temperature on growth of basil using nutrient film technique. *HortScience*, 57(8), 925-932.
- Hendrickson, T. D., Dunn, B. L., Goad, C., Hu, B., & Singh, H. (2022). Effects of hydrogen peroxide products on basil, lettuce, and algae in an Ebb and flow hydroponic system. *Horticulturae*, 8(7), #569.
- Heng, Y., & House, L. (2022). Consumers' perceptions and behavior toward food waste across countries. *International Food and Agribusiness Management Review*, 25(2), 197-209.
- Heng, Y., Yoon, S., House, L., & Gao, Z. (2022). Not all juices are the same: The superior perception of and preference for Florida orange juice. *Journal of Agricultural and Applied Economics*, 54(4), 621-633.
- Hennessy, P. J., Esau, T. J., Schumann, A. W., Zaman, Q. U., Corscadden, K. W., & Farooque, A. A. (2022). Evaluation of cameras and image distance for CNN-based weed detection in wild blueberry. *Smart Agricultural Technology*, 2, #100030.
- Hensley, S., & Harris, V. W. (2022). Impacts of the Coronavirus pandemic on families: A family systems perspective. *Advances in Social Sciences Research Journal*, 9(7), 230-238.

- Herbert, A., Hancock, C. N., Cox, B., Schnabel, G., Moreno, D., Carvalho, R., Jones, J., Paret, M., Geng, X., & Wang, H. (2022). Oxytetracycline and streptomycin resistance genes in *Xanthomonas arboricola* pv. pruni, the causal agent of bacterial spot in peach. *Frontiers in Microbiology*, *13*, #821808.
- Herremans, K. M., Riner, A. N., Cameron, M. E., McKinley, K. L., Triplett, E. W., Hughes, S. J., & Trevino, J. G. (2022). Proteomic analysis of a hypervirulent mutant of the insect-pathogenic fungus *metarhizium anisopliae* reveals changes in pathogenicity and terpenoid pathways. *Microbiome*, *10*(1), #93.
- Herrera, D., Mylavarapu, R. S., Harris, W. G., & Colee, J. (2022). Soil phosphorus sources and their relative water solubility and extractability. *Communications in Soil Science and Plant Analysis*, *53*(12), 1445-1455.
- Hess, K. M., Sinclair, J. S., Reisinger, A. J., Bean, E. Z., & Iannone, B. (2022). Are stormwater detention ponds protecting urban aquatic ecosystems? A case study using depressional wetlands. *Urban Ecosystems*, *25*(4), 1155-1168.
- Hilbert, D. R., Koeser, A. K., Roman, L. A., Andreu, M. G., Hansen, G., Thetford, M., & Northrop, R. J. (2022). Selecting and assessing underutilized trees for diverse urban forests: A participatory research approach. *Frontiers in Ecology and Evolution*, *10*, #759693.
- Hill, G. M., Trager, M. D., Lucky, A., & Daniels, J. C. (2022). Protective benefits of tending ants to a critically endangered butterfly. *Journal of Insect Science*, *22*(6), #9.
- Hilsenroth, J., Josephson, A., Grogan, K. A., Walters, L. M., Plakias, Z. T., Palm-Forster, L. H., Banerjee, S., & Wade, T. (2022). Past, present, and future: Status of women and minority faculty in agricultural and applied economics. *Applied Economic Perspectives and Policy*, *44*(1), 71-91.
- Hinckley, T. M., Ceulemans, R., Cienciala, E., Kučera, J., Martin, T. A., Matyssek, R., & Nadezhdina, N. (2022). Jan Cermák's lifetime contribution to tree water relations. *Tree Physiology*, *42*(8), 1517-1526.
- Hochmair, H. H., Benjamin, A., Gann, D., Juhász, L., Olivas, P., & Fu, Z. J. (2022). Change analysis of urban tree canopy in Miami-Dade County. *Forests*, *13*(6), #949.
- Hochmair, H. H., Brossell, E., & Fu, Z. J. (2022). Identification of transit service gaps through accessibility and social vulnerability mapping in Miami-Dade county. *GI\_Forum*, *10*(1), 17-32.
- Hofstetter, D., Fabian, E., Dominguez, D., & Lorenzoni, A. G. (2022). Automatically controlled dust generation system using arduino. *Sensors*, *22*(12), #4574.
- Holgerson, M. A., Hovel, R. A., Kelly, P. T., Bortolotti, L. E., Brentrup, J. A., Bellamy, A. R., Oliver, S. K., & Reisinger, A. J. (2022). Integrating ecosystem metabolism and consumer

- allochthony reveals nonlinear drivers in lake organic matter processing. *Limnology and Oceanography*, 67(S1), S71-S85.
- Holl, H. M., Armstrong, C., Galantino-Homer, H., & Brooks, S. A. (2022). Transcriptome diversity and differential expression in supporting limb laminitis. *Veterinary Immunology and Immunopathology*, 243, #110353.
- Holland, R. M., Peterson, C. J., Harmon, P. F., Brannen, P. M., & Scherm, H. (2022). Bark inclusions in canes of southern highbush blueberry and their impact on cane union strength and association with *Botryosphaeria* stem blight. *Horticulturae*, 8(8), #733.
- Holscher, H. D., Chumpitazi, B. P., Dahl, W. J., Fahey, G. C., Liska, D. J., Slavin, J. L., & Verbeke, K. (2022). Perspective: Assessing tolerance to nondigestible carbohydrate consumption. *Advances in Nutrition*, 13(6), 2084-2097.
- Homayounfar, M., Muneeppeerakul, R., & Anderies, J. M. (2022). Resilience-performance trade-offs in managing social-ecological systems. *Ecology and Society*, 27(1), #7.
- Hopf, A., Boote, K. J., Oh, J., Guan, Z., Agehara, S., Shelia, V., Whitaker, V. M., Asseng, S., Zhao, X., & Hoogenboom, G. (2022). Development and improvement of the CROPGRO-Strawberry model. *Scientia Horticulturae*, 291, #110538.
- Hopf, A., Boote, K. J., Plotto, A., Asseng, S., Zhao, X., Shelia, V., & Hoogenboom, G. (2022). Dynamic prediction of preharvest strawberry quality traits as a function of environmental factors. *HortScience*, 57(10), 1336-1355.
- Horlock, A. D., Ormsby, T. J. R., Clift, M. J. D., Santos, J. E. P., Bromfield, J. J., & Sheldon, I. M. (2022). Cholesterol supports bovine granulosa cell inflammatory responses to lipopolysaccharide. *Reproduction*, 164(3), 109-123.
- Horton, R., Kiker, G. A., Trump, B. D., & Linkov, I. (2022). International airports as agents of resilience. *Journal of Contingencies and Crisis Management*, 30(2), 217-221.
- Horvath, K. C., Brocious, A. N., & Miller-Cushon, E. K. (2022). Meal patterns of weaned dairy calves are affected by previous dietary experience and associated with competition surrounding individual feed bins. *Journal of Dairy Science*, 105(2), 1661-1673.
- Hossain, M., & Mullally, C. (2022). Using evaluation data to predict loan performance among poor borrowers: The case of BRAC's asset transfer and microcredit programmes. *Development Policy Review*, 40(3), #e12579.
- Hoyer, M. V., & Canfield, D. E. (2022). A limnological yardstick based on phosphorus limitation. *Lake and Reservoir Management*, 38(2), 109-125.
- Hu, C., Wright, A. L., & He, S. (2022). Public perception and willingness to pay for urban wetland ecosystem services: Evidence from China. *Wetlands*, 42(2), #19.



- Hu, J., Berthold, D. E., Wang, Y., Xiao, X., & Laughinghouse, H. D. (2022). Treatment of the red tide dinoflagellate *Karenia brevis* and brevetoxins using USEPA-registered algaecides. *Harmful Algae*, *120*, #102347.
- Hu, W., Su, Y., Zhou, J., Zhu, H., Guo, J., Huo, H., & Gong, H. (2022). Foliar application of silicon and selenium improves the growth, yield and quality characteristics of cucumber in field conditions. *Scientia Horticulturae*, *294*, #110776.
- Hu, Y., Gibson, L., Hu, H., Ding, Z., Zhou, Z., Li, W., Jiang, Z., & Scheffers, B. R. (2022). Precipitation drives species accumulation whereas temperature drives species decline in Himalayan vertebrates. *Journal of Biogeography*, *49*(12), 2218-2230.
- Hu, Y., House, L. A., & Gao, Z. F. (2022). How do consumers respond to labels for crispr (gene-editing)? *Food Policy*, *112*, #102236.
- Huang, J., Zimmerman, A. R., Chen, H., Wan, Y., Zheng, Y., Yang, Y., Zhang, Y., & Gao, B. (2022). Fixed bed column performance of Al-modified biochar for the removal of sulfamethoxazole and sulfapyridine antibiotics from wastewater. *Chemosphere*, *305*, #135475.
- Huang, K. M., Guan, Z., & Hammami, A. M. (2022). The U.S. fresh fruit and vegetable industry: An overview of production and trade. *Agriculture*, *12*(10), #1719.
- Huang, X., Wang, Y., & Wang, N. (2022). Base editors for citrus gene editing. *Frontiers in Genome Editing*, *4*, #852867.
- Huang, X., Wang, Y., & Wang, N. (2022). Highly efficient generation of canker-resistant sweet orange enabled by an improved CRISPR/Cas9 System. *Frontiers in Plant Science*, *12*, #769907.
- Huang, Y., Zhu, F., Koh, J., Stanton, D., Chen, S., & Wang, N. (2022). Proteomic and bioinformatic analyses of proteins in the outer membrane and extracellular compartments and outer membrane vesicles of *Candidatus Liberibacter* species. *Frontiers in Microbiology*, *13*, #977710.
- Huerta-Bátiz, H. E., Constantino-Recillas, D. E., Monsiváis-Huertero, A., Hernández-Sánchez, J. C., Judge, J., & Aparicio-García, R. S. (2022). Understanding root-zone soil moisture in agricultural regions of central Mexico using the ensemble Kalman filter, satellite-derived information, and the THEXMEX-18 dataset. *International Journal of Digital Earth*, *15*(1), 52-78.
- Hughes, M. A., Smith, K. E., Sims, A., Zhang, J., Held, B. W., Blanchette, R. A., & Smith, J. A. (2022). Screening of *Persea borbonia* clones for resistance to the laurel wilt pathogen, *Raffaelea lauricola*. *Forest Pathology*, *52*(5), #e12776.
- Hughes, M. J., de Torrez, E. C. B., Buckner, E. A., & Ober, H. K. (2022). Consumption of endemic arbovirus mosquito vectors by bats in the southeastern United States. *Journal of Vector Ecology*, *47*(2), 153-165.

- Hulcr, J., Gomez, D. F., & Johnson, A. J. (2022). Collecting and preserving bark and ambrosia beetles (Coleoptera: Curculionidae: Scolytinae & Platypodinae). *PLOS ONE*, *17*(4), #e0265910.
- Hundemer, S., Monroe, M. C., & Kaplan, D. (2022). The water science communication problem: Water knowledge and the acceptance or rejection of water science. *Journal of Hydrology*, *604*, #127230.
- Hundemer, S., Treise, D., & Monroe, M. (2022). A scarcity of biospheric values in local and regional reporting of water issues: Media coverage in the Floridan aquifer region. *Journal of Applied Communications*, *106*(2), #4.
- Huo, Y., Yee, J. C., & Yang, H. (2022). Development of a cost-effective and portable aeration freezing system for germplasm cryopreservation for eastern oysters and other aquatic species. *Aquaculture Research*, *53*(2), 453-466.
- Hur, G., Roberts, T. G., Bunch, J., Diaz, J., & Diehl, D. (2022). The impact of an instructional development program on college of agriculture faculty members' teaching-focused social capital: A mixed methods approach. *Journal of Agricultural Education*, *63*(3), 247-265.
- Ibanez, F., Suh, J. H., Wang, Y., Rivera, M., Setamou, M., & Stelinski, L. L. (2022). Salicylic acid mediated immune response of *Citrus sinensis* to varying frequencies of herbivory and pathogen inoculation. *BMC Plant Biology*, *22*(1), #7.
- Ibarra Polesel, M. G., Valle, N. G., Cave, R. D., & Damborsky, M. P. (2022). Descriptions of the larva and pupa of *Gymnetis pudibunda* Burmeister, 1866 (Coleoptera: Scarabaeidae: Cetoniinae: Gymnetini), with notes on natural history and a key to the known larvae of new world Gymnetini. *Journal of Natural History*, *56*(13-16), 969-987.
- Ikanya, L. W., Maina, J. G., Gachuri, C. K., Owino, W. O., & Dubeux, J. C. B. (2022). Chemical composition and digestibility of preferred forage species by lactating Somali camels in Kenya. *Rangeland Ecology and Management*, *80*, 61-67.
- Ikanya, L. W., Maina, J. G., Gachuri, C. K., Owino, W. O., & Dubeux, J. C. B. (2022). Effects of supplementing lactating Somali camels with *Opuntia stricta* and cottonseed cake on feed intake, milk yield, and milk composition. *Acta Horticulturae*, *1343*, 171-179.
- Ikanya, L. W., Maina, J. G., Owino, W. O., & Dubeux, J. C. B. (2022). Feed intake, milk yield and milk composition of Somali camels supplemented with *Opuntia stricta* and urea. *Acta Horticulturae*, *1343*, 207-211.
- Ikram, M., Raja, N. I., Mashwani, Z. U. R., Omar, A. A., Mohamed, A. H., Satti, S. H., & Zohra, E. (2022). Phyto-genic selenium nanoparticles elicited the physiological, biochemical, and antioxidant defense system amelioration of huanglongbing-infected 'Kinnow' mandarin plants. *Nanomaterials*, *12*(3), #356.
- Iqbal, M., Semagn, K., Céron-Rojas, J. J., Crossa, J., Jarquin, D., Howard, R., Beres, B. L., Strenzke, K., Ciechanowska, I., & Spaner, D. (2022). Identification of spring wheat with

- superior agronomic performance under contrasting nitrogen managements using linear phenotypic selection indices. *Plants*, *11*(14), #1887.
- Iqbal, M., Semagn, K., Jarquin, D., Randhawa, H., McCallum, B. D., Howard, R., Aboukhaddour, R., Ciechanowska, I., Strenzke, K., Crossa, J., Céron-Rojas, J. J., N'Diaye, A., Pozniak, C., & Spaner, D. (2022). Identification of disease resistance parents and genome-wide association mapping of resistance in spring wheat. *Plants*, *11*(21), #2905.
- Irving, T. B., Chakraborty, S., Maia, L. G. S., Knaack, S., Conde, D., Schmidt, H. W., Triozzi, P. M., Simmons, C. H., Roy, S., Kirst, M., & Ané, J. M. (2022). An LCO-responsive homolog of nodule inception positively regulates lateral root formation in *Populus* sp. *Plant Physiology*, *190*(3), 1699-1714.
- Isaacs, R., Van Timmeren, S., Gress, B. E., Zalom, F. G., Ganjisaffar, F., Hamby, K. A., Lewis, M. T., Liburd, O. E., Sarkar, N., Rodriguez-Saona, C., Holdcraft, R., Burrack, H. J., Toennisson, A., Drummond, F., Spaulding, N., Lanka, S., & Sial, A. (2022). Monitoring of spotted-wing Drosophila (Diptera: Drosophilidae) resistance status using a rapid method for assessing insecticide sensitivity across the United States. *Journal of Economic Entomology*, *115*(4), 1046-1053.
- Islam, M. S., Sandhu, H., Zhao, D., Sood, S., Momotaz, A., Davidson, R. W., Baltazar, M., Gordon, V. S., McCord, P., & Coto, O. A. (2022). Registration of 'CP 13-1223' sugarcane for Florida organic soils. *Journal of Plant Registrations*, *16*(1), 54-63.
- Ismail, M. S., Ilias, Z., Ismail, M. N., Goeden, G. B., Yap, C. K., Al-Mutairi, K. A., & Al-Shami, S. A. (2022). Coral health assessment in Malaysia: A case study of Pulau Anak Datai, Langkawi. *Environmental Science and Pollution Research*, *29*(30), 45860-45871.
- Israel, G., Gariton, C., & James, H. (2022). Anxiety symptoms among extension professionals' during the COVID-19 pandemic with the GAD-2. *Journal of Rural Social Sciences*, *37*(2), 1-32.
- Izquierdo, V., Vedovatto, M., Palmer, E. A., Oliveira, R. A., Silva, H. M., Vendramini, J. M. B., & Moriel, P. (2022). Frequency of maternal supplementation of energy and protein during late gestation modulates preweaning growth of their beef offspring. *Translational Animal Science*, *6*(3), #txac110.
- Jack, C. J., Kleckner, K., Demares, F., Rault, L. C., Anderson, T. D., Carlier, P. R., Bloomquist, J. R., & Ellis, J. D. (2022). Testing new compounds for efficacy against *Varroa destructor* and safety to honey bees (*Apis mellifera*). *Pest Management Science*, *78*(1), 159-165.
- Jacquemin, S., Stofer, K., & Newberry, M. (2022). University faculty perceptions of climate change in U.S. *UF Journal of Undergraduate Research*, *24*.

- Jafarikouhini, N., Sinclair, T. R., & Resende, M. F. (2022). Comparison of water flow capacity in leaves among sweet corn genotypes as basis for plant transpiration rate sensitivity to vapor pressure deficit. *Crop Science*, *62*(2), 906-912.
- Jafarikouhini, N., Sinclair, T. R., & Resende, M. F. R. (2022). Limited-transpiration rate and plant conductance in a diverse sweet corn population. *Crop Science*, *62*(1), 374-381.
- Jain, M., Cai, L., Black, I., Azadi, P., Carlson, R. W., Jones, K. M., & Gabriel, D. W. (2022). 'Candidatus Liberibacter asiaticus'-encoded bcp peroxiredoxin suppresses lipopolysaccharide-mediated defense signaling and nitrosative stress in planta. *Molecular Plant-Microbe Interactions*, *35*(3), 257-273.
- Jakovac, C. C., Meave, J. A., Bongers, F., Letcher, S. G., Dupuy, J. M., Piotto, D., Rozendaal, D. M. A., (+ 95 authors including Broadbent, E. N.), & Poorter, L. (2022). Strong floristic distinctiveness across neotropical successional forests. *Science Advances*, *8*(26), #eabn1767.
- Jamal, Y., Gangwar, M., Usmani, M., Adams, A. E., Wu, C. Y., Nguyen, T. H., Colwell, R., & Jutla, A. (2022). Identification of thresholds on population density for understanding transmission of COVID-19. *GeoHealth*, *6*(9), #e2021GH000449.
- Japarudin, Y., Meder, R., Lapammu, M., Waburton, P., Paul-Macdonell, P., Brown, M., & Brawner, J. (2022). Developing *Eucalyptus pellita* breeding populations for the solid wood industry of eastern Malaysia. *Journal of Tropical Forest Science*, *34*(3), 346-357.
- Jaquetti, R. K., Nascimento, H. E. M., Zotarelli, L., Rathinasabapathi, B., & de Carvalho Gonçalves, J. F. (2022). Coordinated adjustments of carbohydrates and growth of tree legumes under different fertilization regimes in degraded areas in Amazonia. *New Forests*, *53*(2), 221-240.
- Jara, M., Holcomb, K., Wang, X., Goss, E. M., & Machado, G. (2022). The potential distribution of *Pythium insidiosum* in the Chincoteague National Wildlife Refuge, Virginia. *Frontiers in Veterinary Science*, *9*, #640339.
- Jaramillo, D. M., Dubeux, J. C. B., Ruiz-Moreno, M., DiLorenzo, N., Vendramini, J. M. B., Sollenberger, L., Mackowiak, C., Queiroz, L. M. D., Abreu, D. S., Garcia, L., Santos, E. R. S., & Kieke, B. A. (2022). Stable isotopes of C and N differ in their ability to reconstruct diets of cattle fed C<sub>3</sub>-C<sub>4</sub> forage diets. *Scientific Reports*, *12*, #17138.
- Javaid, M. M., Mahmood, A., Alshaya, D. S., AlKahtani, M. D. F., Waheed, H., Wasaya, A., Khan, S. A., Naqve, M., Haider, I., Shahid, M. A., Nadeem, M. A., Azmat, S., Khan, B. A., Balal, R. M., Attia, K. A., & Fiaz, S. (2022). Influence of environmental factors on seed germination and seedling characteristics of perennial ryegrass (*Lolium perenne* L.). *Scientific Reports*, *12*(1), #9522.
- Jawitz, J. W., Klammler, H., & Reaver, N. G. F. (2022). Climatic asynchrony and hydrologic inefficiency explain the global pattern of water availability. *Geophysical Research Letters*, *49*(24), #e2022GL101214.

- Jayakody, T. B., Enciso-Rodríguez, F. E., Jensen, J., Douches, D. S., & Nadakuduti, S. S. (2022). Evaluation of diploid potato germplasm for applications of genome editing and genetic engineering. *American Journal of Potato Research*, *99*(1), 13-24.
- Jeensuk, S., Ortega, M. S., Saleem, M., Hawryluk, B., Scheffler, T. L., & Hansen, P. J. (2022). Actions of WNT family member 5A to regulate characteristics of development of the bovine preimplantation embryo. *Biology of Reproduction*, *107*(4), 928-944.
- Jeffryes, J. G., Lerma-Ortiz, C., Liu, F., Golubev, A., Niehaus, T. D., Elbadawi-Sidhu, M., Fiehn, O., Hanson, A. D., Tyo, K. E., & Henry, C. S. (2022). Chemical-damage MINE: A database of curated and predicted spontaneous metabolic reactions. *Metabolic Engineering*, *69*, 302-312.
- Jensen, L. M., Jannaman, E. A., Pryce, J. E., De Vries, A., & Hansen, P. J. (2022). Effectiveness of the Australian breeding value for heat tolerance at discriminating responses of lactating Holstein cows to heat stress. *Journal of Dairy Science*, *105*(9), 7820-7828.
- Jenson, L. J., Becnel, J. J., & Bloomquist, J. R. (2022). Chemical treatments for insect cell differentiation: The effects of 20-hydroxyecdysone and veratridine on cultured *Spodoptera frugiperda* (Sf 21) insect cell ultrastructure. *Insects*, *13*(1), #13010032.
- Jha, P. K., Athanasiadis, P., Gualdi, S., Trabucco, A., Mereu, V., Shelia, V., & Hoogenboom, G. (2022). Using ENSO conditions to optimize rice yield for Nepal's Terai. *Climate Research*, *88*, 87-100.
- Jia, H., Couto-Rodriguez, R., Johnson, S., Medina, S., Novillo, B., Huynh, P., Kim, M., Cooper, C., Michalik, M., Siew, B., Turesson, E., & Maupin-Furlow, J. A. (2022). Highly efficient and simple SSPER and rrPCR approaches for the accurate site-directed mutagenesis of large and small plasmids. *New Biotechnology*, *72*, 22-28.
- Jia, H., Omar, A. A., Orbović, V., & Wang, N. (2022). Biallelic editing of the LOB1 promoter via CRISPR/Cas9 creates canker-resistant 'Duncan' grapefruit. *Phytopathology*, *112*(2), 308-314.
- Jia, H., Wang, Y., Su, H., Huan, X., & Wang, N. (2022). LbCas12a-D156R efficiently edits LOB1 effector binding elements to generate canker-resistant citrus plants. *Cells*, *11*(3), #315.
- Jiang, S., Jaggi, H., Zuo, W., Oli, M. K., Coulson, T., Gaillard, J. M., & Tuljapurkar, S. (2022). Reproductive dispersion and damping time scale with life-history speed. *Ecology Letters*, *25*(9), 1999-2008.
- Jibrin, M. O., Liu, Q., Garrett, T. J., Jones, J. B., & Zhang, S. (2022). Potential and metabolic pathways of eugenol in the management of *Xanthomonas perforans*, a pathogen of bacterial spot of tomato. *International Journal of Molecular Sciences*, *23*(23), #14648.
- Jibrin, M. O., Liu, Q., Huang, Y., Urbina, H., Gazis, R., & Zhang, S. (2022). *Lasiodiplodia iraniensis*, a new causal agent of tuber rot on yam (*Dioscorea* species) imported into the

- United States and implications for quarantine decisions. *Plant Disease*, 106(12), 3027-3032.
- Jibrin, M. O., Timilsina, S., Minsavage, G. V., Vallad, G. E., Roberts, P. D., Goss, E. M., & Jones, J. B. (2022). Bacterial spot of tomato and pepper in Africa: Diversity, emergence of T5 race, and management. *Frontiers in Microbiology*, 13, #835647.
- Johnson, F. A., Pine, W. E., & Camp, E. V. (2022). A cautionary tale: Management implications of critical transitions in oyster fisheries. *Canadian Journal of Fisheries and Aquatic Sciences*, 79(8), 1269-1281.
- Johnston, N., Paris, T., Paret, M. L., Freeman, J., & Martini, X. (2022). Repelling whitefly (*Bemisia tabaci*) using limonene-scented kaolin: A novel pest management strategy. *Crop Protection*, 154, #105905.
- Jones, G. M., Brosi, B., Evans, J. M., Gottlieb, I. G. W., Loy, X., Núñez-Regueiro, M. M., Ober, H. K., Pienaar, E., Pillay, R., Pisarello, K., Smith, L. L., & Fletcher, R. J. (2022). Conserving alpha and beta diversity in wood-production landscapes. *Conservation Biology*, 36(3), #e13872.
- Jones, K., Cunha, F., Jeon, S. J., Pérez-Báez, J., Casaro, S., Fan, P., Liu, T., Lee, S., Jeong, K. C., Yang, Y., & Galvão, K. N. (2022). Tracing the source and route of uterine colonization by exploring the genetic relationship of *Escherichia coli* isolated from the reproductive and gastrointestinal tract of dairy cows. *Veterinary Microbiology*, 266, #109355.
- Jones, M. M., Fletcher, R., Kruger, L., Monadjem, A., Simelane, P., & McCleery, R. (2022). Drought limits large trees in African savannas with or without elephants. *Austral Ecology*, 47(8), 1668-1684.
- Jordan, D. L., Buol, G. S., Brandenburg, R. L., Reisig, D., Nboyine, J., Abudulai, M., Oteng-Frimpong, R., (+ 18 authors including MacDonald, G.), & Rhoads, J. (2022). Examples of risk tools for pests in peanut (*Arachis hypogaea*) developed for five countries using Microsoft Excel. *Journal of Integrated Pest Management*, 13(1), #20.
- Jouquet, P., Harit, A., Hervé, V., Moger, H., Carrijo, T., Donoso, D. A., Eldridge, D., (+ 35 authors including Chouvinc, T., Mullins, A. J.), & Bottinelli, N. (2022). The impact of termites on soil sheeting properties is better explained by environmental factors than by their feeding and building strategies. *Geoderma*, 412, #115706.
- Judge, J., Lannon, H. J. L., Stofer, K. A., Matyas, C. J., Lanman, B., Leissing, J. J., Rivera, N., Norton, H., & Hom, B. (2022). Integrated academic, research, and professional experiences for 2-year college students lowered barriers in STEM engagement: A case study in geosciences. *Journal of STEM Outreach*, 5(1), 1-15.
- Judkins, T., Oula, M. L., Sims, S. M., & Langkamp-Henken, B. (2022). The effect of a probiotic on gastrointestinal symptoms due to menstruation in healthy adult women on oral contraceptives: Randomized, double-blind, placebo-controlled trial protocol. *Trials*, 23(1), #481.

- Judy, J. D., Gravesen, C., Wilson, P. C., Lee, L., Sarchapone, J., Hinz, F., & Broadbent, E. (2022). Trophic transfer of PFAS from tomato (*Solanum lycopersicum*) to tobacco hornworm (*Manduca sexta*) caterpillars. *Environmental Pollution*, 310, #119814.
- Judy, J. D., Sarchapone, J., Gravesen, C., Hettiarachchi, G., Buchanan, C., LaMontagne, D., & Pachon, J. (2022). Correlating soil nutrient test lead with bioaccessible lead in highly-contaminated soils receiving lead-immobilizing amendments. *Science of the Total Environment*, 807, #150658.
- Jumani, S., Deitch, M. J., Valle, D., Machado, S., Lecours, V., Kaplan, D., Krishnaswamy, J., & Howard, J. (2022). A new index to quantify longitudinal river fragmentation: Conservation and management implications. *Ecological Indicators*, 136, #108680.
- Jusino, M. A., Hagemeyer, N. D. G., Banik, M. T., Palmer, J. M., Lindner, D. L., Smith, M. E., Koenig, W. D., & Walters, E. L. (2022). Fungal communities associated with acorn woodpeckers and their excavations. *Fungal Ecology*, 59, #101154.
- Justus, C. M., Paula-Moraes, S. V., Pasini, A., Hoback, W. W., Hayashida, R., & Bueno, A. D. F. (2022). Simulated soybean pod and flower injuries and economic thresholds for *Spodoptera eridania* (Lepidoptera: Noctuidae) management decisions. *Crop Protection*, 155, #105936.
- Kaddoura, Y. O., Wilkinson, B., Merrick, T., Barnes, G., Duffy, K., Broadbent, E., Abd-Elrahman, A., Binford, M., & Richardson, A. D. (2022). Georeferencing oblique PhenoCam imagery. *ISPRS Journal of Photogrammetry and Remote Sensing*, 190, 301-321.
- Kaewsong, K., Johnson, D. J., Bunyavejchewin, S., & Baker, P. J. (2022). Fire impacts on recruitment dynamics in a seasonal tropical forest in continental southeast Asia. *Forests*, 13(1), #116.
- Kaiser, K. E., Braswell, A. E., & Fork, M. L. (2022). NSF supported socio-environmental research: How do crosscutting programs affect research funding, publication, and citation patterns? *Ecology and Society*, 27(3), #25.
- Kalaman, H., Wilson, S. B., Mallinger, R. E., Knox, G. W., Kim, T., Begcy, K., & van Santen, E. (2022). Evaluation of native and nonnative ornamentals as pollinator plants in Florida: II. Floral resource value. *HortScience*, 57(1), 137-143.
- Kalaman, H., Wilson, S. B., Mallinger, R. E., Knox, G. W., & van Santen, E. (2022). Evaluation of native and nonnative ornamentals as pollinator plants in Florida: I. Floral abundance and insect visitation. *HortScience*, 57(1), 126-136.
- Kalischuk, M., Hendricks, K., Hochmuth, R., Freeman, J., Roberts, P. D., & Paret, M. (2022). A portable recombinase polymerase amplification assay for the rapid detection of cucurbit leaf crumple virus in watermelon leaves and fruits. *Journal of Plant Pathology*, 104(1), 215-224.

- Kamali, S., Javadmanesh, A., Stelinski, L. L., Kyndt, T., Seifi, A., Cheniany, M., Zaki-Aghl, M., Hosseini, M., Heydarpour, M., Asili, J., & Karimi, J. A.-O. (2022). Beneficial worm allies warn plants of parasite attack below-ground and reduce above-ground herbivore preference and performance. *Molecular Ecology*, *31*(2), 691-712.
- Kandel, J. S., Sandoya, G. V., Zhou, W., Read, Q. D., Mou, B., & Simko, I. (2022). Identification of Quantitative Trait Loci Associated with Bacterial Leaf Spot Resistance in Baby Leaf Lettuce. *Plant Disease*, *106*(10), 2583-2590.
- Kandzer, M., Castano, V., Baker, L. M., & McLeod-Morin, A. (2022). Framing friction: A content analysis investigating how the CDC framed social media communication with the public during the COVID-19 Pandemic. *Journal of Applied Communications*, *106*(1), #4.
- Kane, B., & Koeser, A. K. (2022). Introduction for special issue on trees, risk, and storms: Implications for urban forest management. *Urban Forestry and Urban Greening*, *69*, #127496.
- Kannan, B., Liu, H., Shanklin, J., & Altpeter, F. (2022). Towards oilcane: Preliminary field evaluation of metabolically engineered sugarcane with hyper-accumulation of triacylglycerol in vegetative tissues. *Molecular Breeding*, *42*(10), #64.
- Kapucu, N., Beaudet, S., Chang, N.-B., Qiu, J., & Peng, Z.-R. (2023). Partnerships and network governance for urban Food-Energy-Water (FEW) Nexus. *International Journal of Public Administration*, *46*(1), 18-31.
- Kariuki, E. M., Lovo, E. E., Price, T., Parikh, V., Duren, E. B., Avery, P. B., & Minter, C. R. (2022). The consumption and survival rate of *Lilioceris cheni* (Coleoptera: Chrysomelidae) on air potato leaves exposed to *Cordyceps javanica* (Hypocreales: Cordycipitaceae). *Florida Entomologist*, *105*(3), 258-261.
- Karki, K., Grant, J., Biscaia Ribeiro da Silva, A. L., Petkar, A., Hajihassani, A., Coolong, T., & Dutta, B. (2022). Evaluation of Pic-clor 60 [chloropicrin pre-mixed with 1,3 dichloropropene] and soil-applied fungicides for the Fusarium wilt management in watermelon. *Crop Protection*, *154*, #105894.
- Karki, K., Negi, V. S., Coolong, T., Petkar, A., Mandal, M., Kousik, C., Gitaitis, R., Hajihassani, A., & Dutta, B. X. (2022). Micronutrients affect expression of induced resistance genes in hydroponically grown watermelon against *Fusarium* & *oxysporum* f. sp. *niveum* and *Meloidogyne incognita*. *Pathogens*, *11*(10), #1136.
- Karlsen-Ayala, E., Smith, M. E., Askey, B. C., & Gazis, R. (2022). Native ectomycorrhizal fungi from the endangered pine rocklands are superior symbionts to commercial inoculum for slash pine seedlings. *Mycorrhiza*, *32*(5-6), 465-480.
- Karnauskas, M., Shertzer, K. W., Paris, C. B., Farmer, N. A., Switzer, T. S., Lowerre-Barbieri, S. K., Kellison, G. T., He, R., & Vaz, A. C. (2022). Source–sink recruitment of red snapper: Connectivity between the Gulf of Mexico and Atlantic Ocean. *Fisheries Oceanography*, *31*(6), 571-586.



- Kassas, B., Palma, M. A., & Porter, M. (2022). Happy to take some risk: Estimating the effect of induced emotions on risk preferences. *Journal of Economic Psychology*, *91*, #102527.
- Katuwal, K. B., Jespersen, D., Bhattarai, U., Chandra, A., Kenworthy, K. E., Milla-Lewis, S. R., Schwartz, B. M., Wu, Y., & Raymer, P. (2022). Multilocational screening identifies new drought-tolerant, warm-season turfgrasses. *Crop Science*, *62*(4), 1614-1630.
- Kays, R., Cove, M. V., Diaz, J., Todd, K., Bresnan, C., Snider, M., Lee, T. E., (+ 145 authors including Baruzzi, C., Lashley, M., McDonald, B., Mason, D.), & McShea, W. J. (2022). Snapshot USA 2020: A second coordinated national camera trap survey of the United States during the COVID-19 pandemic. *Ecology*, *103*(10), #e3775.
- Keeley, M., Rowland, D., & Vincent, C. (2022). Citrus photosynthesis and morphology acclimate to phloem-affecting huanglongbing disease at the leaf and shoot levels. *Physiologia Plantarum*, *174*(2), #e13662.
- Kelley, A. J., Campbell, D. N., Wilkie, A. C., & Maltais-Landry, G. (2022). Compost composition and application rate have a greater impact on spinach yield and soil fertility benefits than feedstock origin. *Horticulturae*, *8*(8), #688.
- Kelly, C., Wilkinson, B., Abd-Elrahman, A., Cordero, O., & Lassiter, H. A. (2022). Accuracy assessment of low-cost lidar scanners: An analysis of the velodyne HDL-32e and Livox mid-40's temporal stability. *Remote Sensing*, *14*(17), #4220.
- Kendig, A. E., Canavan, S., Anderson, P. J., Flory, S. L., Gettys, L. A., Gordon, D. R., Iannone, B. V., Kunzer, J. M., Petri, T., Pflingsten, I. A., & Lieurance, D. (2022). Scanning the horizon for invasive plant threats using a data-driven approach. *NeoBiota*, *74*, 129-154.
- Kendra, P. E., Tabanca, N., Cruz, L. F., Menocal, O., Schnell, E. Q., & Carrillo, D. (2022). Volatile emissions and relative attraction of the fungal symbionts of tea shot hole borer (Coleoptera: Curculionidae). *Biomolecules*, *12*(1), #97.
- Kennedy, P. L., Schmitz, A., Linscombe, S., & Zhang, F. Y. (2022). The impact of cultivar development and cultural practices on Louisiana rice yield. *Agrosystems Geosciences & Environment*, *5*(1), #e203221.
- Kenworthy, K. E., Reith, P., Quesenberry, K., Rios, E. F., & Blount, A. R. (2022). Release of 'FL4XR16' tetraploid annual ryegrass. *Journal of Plant Registrations*, *16*(3), 517-521.
- Khabbazan, S., Steele-Dunne, S. C., Vermunt, P., Judge, J., Vreugdenhil, M., & Gao, G. (2022). The influence of surface canopy water on the relationship between L-band backscatter and biophysical variables in agricultural monitoring. *Remote Sensing of Environment*, *268*, #112789.
- Khalighifar, A., Jiménez-García, D., Campbell, L. P., Ahadji-Dabla, K. M., Aboagye-Antwi, F., Ibarra-Juárez, L. A., & Peterson, A. T. (2022). Application of deep learning to community-science-based mosquito monitoring and detection of novel species. *Journal of Medical Entomology*, *59*(1), 355-362.

- Khalilzadeh, M., Weber, K. C., Dutt, M., El-Mohtar, C. A., & Levy, A. (2022). Comparative transcriptome analysis of *Citrus macrophylla* tree infected with *Citrus tristeza virus* stem pitting mutants provides new insight into the role of phloem regeneration in stem pitting disease. *Frontiers in Plant Science*, *13*, #987831.
- Khamare, Y., Chen, J., & Marble, S. C. (2022). Allelopathy and its application as a weed management tool: A review. *Frontiers in Plant Science*, *13*, #1034649.
- Khamare, Y., Marble, S. C., Altland, J. E., Pearson, B. J., Chen, J., & Devkota, P. (2022). Effect of substrate stratification on growth of common nursery weed species and container-grown ornamental species. *HortTechnology*, *32*(1), 74-83.
- Khamare, Y., Marble, S. C., Altland, J. E., Pearson, B. J., Chen, J., & Devkota, P. (2022). Effect of substrate stratification without fine pine bark particles on growth of common nursery weed species and container-grown ornamental species. *HortTechnology*, *32*(6), 491-498.
- Khan, G. R., Alkharabsheh, H. M., Akmal, M., Al-Huqail, A. A., Ali, N., Alhammad, B. A., Anjum, M. M., Goher, R., Wahid, F., Seleiman, M. F., & Hoogenboom, G. (2022). Split nitrogen application rates for wheat (*Triticum aestivum* L.) yield and grain N using the CSM-CERES-Wheat model. *Agronomy*, *12*(8), #1766.
- Khan, M., Mashwani, Z. U. R., Ikram, M., Raja, N. I., Mohamed, A. H., Ren, G., & Omar, A. X. (2022). Efficacy of green cerium oxide nanoparticles for potential therapeutic applications: Circumstantial insight on mechanistic aspects. *Nanomaterials*, *12*(12), #2117.
- Khan, W. U. D., Wei, X., Ali, H. H., Zulfiqar, F., Chen, J., Iqbal, R., Zaheer, M. S., Ali, B., Ghafoor, S., Rabiya, U. E., Waqas, M., Ghaffar, R., Soufan, W., & El Sabagh, A. (2022). Investigating the role of bentonite clay with different soil amendments to minimize the bioaccumulation of heavy metals in *Solanum melongena* L. under the irrigation of tannery wastewater. *Frontiers in Plant Science*, *13*, #958978.
- Khanal, P., Parker Gaddis, K. L., Vandehaar, M. J., Weigel, K. A., White, H. M., Peñagaricano, F., Koltjes, J. E., Santos, J. E. P., Baldwin, R. L., Burchard, J. F., Dürr, J. W., & Tempelman, R. J. (2022). Multiple-trait random regression modeling of feed efficiency in US Holsteins. *Journal of Dairy Science*, *105*(7), 5954-5971.
- Khanna, A., Anumalla, M., Catolos, M., Bhosale, S., Jarquin, D., & Hussain, W. (2022). Optimizing predictions in IRRI's rice drought breeding program by leveraging 17 years of historical data and pedigree information. *Frontiers in Plant Science*, *13*, #983818.
- Kharel, P., Creech, M. R., Nguyen, C. D., Vendrame, W. A., Munoz, P. R., & Huo, H. (2022). Effect of explant type, culture medium, and BAP concentration on *in vitro* shoot development in highbush blueberry (*Vaccinium corymbosum* L.) cultivars. *In Vitro Cellular and Developmental Biology - Plant*, *58*(6), 1057-1065.

- Kharel, P., Devkota, P., MacDonald, G., & Tillman, B. (2022). Evaluating herbicide programs for peanut response and weed control. *Crop, Forage and Turfgrass Management*, 8(2), #e20191.
- Kharel, P., Devkota, P., Macdonald, G. E., Tillman, B. L., & Mulvaney, M. J. (2022). Influence of planting date, row spacing, and reduced herbicide inputs on peanut canopy and sicklepod growth. *Agronomy Journal*, 114(1), 717-726.
- Kharva, H., Feder, J. L., Hahn, D. A., & Olsson, S. B. (2022). Rapid brain development and reduced neuromodulator titres correlate with host shifts in *Rhagoletis pomonella*. *Royal Society Open Science*, 9(9), #220962.
- Khaustov, A. A., Berto, M., & Carrillo, D. (2022). A new species of *Brasilopsis* and redescription of *Acarothorectes curculionium* (Acari: Pygmephoridae) associated with ambrosia beetles (Coleoptera: Scolytinae) from USA. *Systematic and Applied Acarology*, 27(8), 1648-1662.
- Khazan, E. S., Haggard, J., Ríos-Málaver, I. C., Shirk, P., & Scheffers, B. R. (2022). Disentangling drivers of thermal physiology: Community-wide cold shock recovery of butterflies under natural conditions. *Biotropica*, 54(1), 205-214.
- Kheir, A. M. S., Hoogenboom, G., Ammar, K. A., Ahmed, M., Feike, T., Elnashar, A., Liu, B., Ding, Z., & Asseng, S. (2022). Minimizing trade-offs between wheat yield and resource-use efficiency in the Nile delta – A multi-model analysis. *Field Crops Research*, 287, #108638.
- Killiny, N. (2022). Better together: The use of virus-induced gene silencing technique to repress the expression of two endogenous citrus genes simultaneously. *Plant signaling & behavior*, 17(1), #2106079.
- Killiny, N. (2022). Generous hosts: ‘*Candidatus Liberibacter asiaticus*’ growth in Madagascar periwinkle (*Catharanthus roseus*) highlights its nutritional needs. *Phytopathology*, 112(1), 89-100.
- Killiny, N. (2022). Made for each other: Vector–pathogen interfaces in the huanglongbing pathosystem. *Phytopathology*, 112(1), 26-43.
- Killiny, N. (2022). Silencing phytoene desaturase causes alteration in monoterpene volatiles belonging to the methylerythritol phosphate pathway. *Plants*, 11(3), #276.
- Killiny, N., & Brodersen, C. R. (2022). Using X-ray micro-computed tomography to three-dimensionally visualize the foregut of the glassy-winged sharpshooter (*Homalodisca vitripennis*). *Insects*, 13(8), #710.
- Killiny, N., Jones, S. E., & Gonzalez-Blanco, P. (2022). Silencing of  $\delta$ -aminolevulinic acid dehydratase via virus induced gene silencing promotes callose deposition in plant phloem. *Plant Signaling & Behavior*, 17(1), #2024733.

- Kim, A. Y., Herrmann, V., Barreto, R., Calkins, B., Gonzalez-Akre, E., Johnson, D. J., Jordan, J. A., Magee, L., McGregor, I. R., Montero, N., Novak, K., Rogers, T., Shue, J., & Anderson-Teixeira, K. J. (2022). Implementing GitHub actions continuous integration to reduce error rates in ecological data collection. *Methods in Ecology and Evolution*, *13*(11), 2572-2585.
- Kim, B., Thomsen, M. R., Nayga, R. M., Fang, D., & Goudie, A. (2022). Impact of weight status reporting on childhood body mass index. *Childhood Obesity*, *18*(7), 485-493.
- Kim, D., Burkett-Cadena, N. D., & Reeves, L. E. (2022). Pollinator biological traits and ecological interactions mediate the impacts of mosquito-targeting malathion application. *Scientific Reports*, *12*(1), #17039.
- Kim, D., & Wang, Y. (2022). Health-beneficial aroma and taste compounds in a newly developed kombucha using a huanglongbing-tolerant mandarin hybrid. *Journal of Food Science*, *87*(6), 2595-2615.
- Kim, T., Dias, F. O., Gentile, A., Menossi, M., & Begcy, K. (2022). ScRpb4, encoding an RNA polymerase subunit from sugarcane, is ubiquitously expressed and resilient to changes in response to stress conditions. *Agriculture*, *12*(1), #81.
- Kleckner, K., De Carolis, A., Jack, C., Stuhl, C., Formato, G., & Ellis, J. D. (2022). A novel acute toxicity bioassay and field trial to evaluate compounds for small hive beetle control. *Applied Sciences*, *12*(19), #9905.
- Klein, R. W., McLean, D. C., Koeser, A. K., Hauer, R. J., Miesbauer, J. W., & Salisbury, A. B. (2022). Visual estimation accuracy of tree part diameter and fall distance. *Journal of Forestry*, *120*(5), 483-490.
- Klein-Gordon, J. M., Timilsina, S., Xing, Y., Abrahamian, P., Garrett, K. A., Jones, J. B., Vallad, G. E., & Goss, E. M. (2022). Whole genome sequences reveal the *Xanthomonas perforans* population is shaped by the tomato production system. *ISME Journal*, *16*(2), 591-601.
- Kleinman, P. J. A., Spiegel, S. A., Silveira, M. L., Baker, J. M., Dell, C. J., Bittman, S., Cibin, R., Vadas, P. A., Buser, M. D., & Tsegaye, T. (2022). Envisioning the manureshed: Toward comprehensive integration of modern crop and animal production. *Journal of Environmental Quality*, *51*(4), 481-493.
- Klizentyte, K., Adams, D. C., & Olexa, M. T. (2021). Policy coherence of invasive insect species policies in the Southeastern United States. *Drake Journal of Agricultural Law*, *26*(3), 337-364.
- Cluever, B. M., Main, M. B., Breck, S. W., Lonsinger, R. C., Humphrey, J. H., Fischer, J. W., & Piaggio, A. J. (2022). Using noninvasive genetics for estimating density and assessing diet of urban and rural coyotes in Florida, USA. *Urban Naturalist*, *9*(51), 1-24.

- Knaack, S. A., Conde, D., Chakraborty, S., Balmant, K. M., Irving, T. B., Maia, L. G. S., Triozzi, P. M., Dervinis, C., Pereira, W. J., Maeda, J., Schmidt, H. W., Ané, J. M., Kirst, M., & Roy, S. (2022). Temporal change in chromatin accessibility predicts regulators of nodulation in *Medicago truncatula*. *BMC Biology*, 20(1), #252.
- Kobziar, L. N., Vuono, D., Moore, R., Christner, B. C., Dean, T., Betancourt, D., Watts, A. C., Aurell, J., & Gullett, B. (2022). Wildland fire smoke alters the composition, diversity, and potential atmospheric function of microbial life in the aerobiome. *ISME Communications*, 2(1), #8.
- Koeser, A. K., Hauer, R. J., Hilbert, D. R., Northrop, R. J., Thorn, H., McLean, D. C., & Salisbury, A. B. (2022). The tripping point–minimum planting widths for small-stature trees in dense urban developments. *Sustainability*, 14(6), #3283.
- Kohari, K. S., Palma-Onetto, V., Scheffrahn, R. H., Vasconcellos, A., Canello, E. M., Santos, R. G., & Carrijo, T. F. (2022). Evolutionary history of *Nasutitermes kemneri* (Termitidae, Nasutitermitinae), a termite from the South American diagonal of open formations. *Frontiers in Ecology and Evolution*, 10, #1081114.
- Kohmann, M. M., de Oliveira Bauer, M., Sollenberger, L. E., Moreno, L. S. B., da Silva, L. S., Saraiva, S., & Dubeux, J. C. B. (2022). Legume proportion affects bahiagrass–rhizoma peanut mixture production and nutritive value and legume composition of cattle diets. *Applied Animal Science*, 38(6), 560-569.
- Kohmann, M. M., Silveira, M. L., Brandani, C. B., Sanchez, J. M. D., da Silva, H. M. S., & Vendramini, J. M. B. (2022). Plant litter chemical characteristics drive decomposition in subtropical rangelands under prescribed fire management. *Rangeland Ecology and Management*, 84, 22-30.
- Koirala, U., Adams, D. C., Susaeta, A., & Akande, E. (2022). Value of a flexible forest harvest decision with short period forest carbon offsets: Application of a binomial option model. *Forests*, 13(11), #1785.
- Koltun, S. J., MacIntosh, A. J., Goodrich-Schneider, R. M., Klee, H. J., Hutton, S. F., Junoy, L. J., & Sarnoski, P. J. (2022). Effects of thermal processing on flavor and consumer perception using tomato juice produced from Florida grown fresh market cultivars. *Journal of Food Processing and Preservation*, 46(1), #e16164.
- Kortessis, N., Kendig, A. E., Barfield, M., Flory, S. L., Simon, M. W., & Holt, R. D. (2022). Litter, plant competition, and ecosystem dynamics: A theoretical perspective. *American Naturalist*, 200(6), 739-754.
- Kosinski, K. J., Lee, Y., Romero-Weaver, A. L., Chen, T. Y., Collier, T. C., Wang, X., Mathias, D. K., & Buckner, E. A. (2022). Two novel single nucleotide polymorphisms in the voltage-gated sodium channel gene identified in *Aedes aegypti* mosquitoes from Florida. *Journal Of The Florida Mosquito Control Association*, 69(1), 21-28.

- Kothari, K., Battisti, R., Boote, K. J., Archontoulis, S. V., Confalone, A., Constantin, J., Cuadra, S. V., (+ 20 authors including Hoogenboom, G.), & Salmerón, M. (2022). Are soybean models ready for climate change food impact assessments? *European Journal of Agronomy*, *135*, #126482.
- Kovach, B. C., Reeves, L. E., Domingo, C., L'heureux, S. N., Burger, G. V., Schermerhorn, S. D., & Riles, M. T. (2022). *Aedes pertinax*, *Anopheles perplexens*, *Culex declarator*, and *Culex interrogator*: An update of mosquito species records for Charlotte County, Florida. *Journal of the American Mosquito Control Association*, *38*(4), 241-249.
- Kraisitudomsook, N., Choeyklin, R., Boonpratuang, T., Pobkwamsuk, M., Anaphon, S., & Smith, M. E. (2022). Hidden in the tropics: *Retiperidiolia* gen. nov., a new genus of bird's nest fungi (*Nidulariaceae*), and a systematic study of the genus *Mycocalia*. *Mycological Progress*, *21*(6), #56.
- Krajewski, A., Ebert, T., Schumann, A., & Waldo, L. (2022). Pre-harvest fruit splitting of citrus. *Agronomy*, *12*(7), #1505.
- Krasnow, C., & Norman, D. (2022). Efficacy of Postiva™ for management of bacterial diseases of ornamental crops. *Applied Microbiology*, *2*(2), 302-308.
- Krebs, C. L., Warner, L. A., Baker, L. M., Daniels, J. C., & Dale, A. (2022). Innovative industry: Environmental horticulture professionals' perceptions on wildlife-friendly plants and a potential certification offering. *Journal of Applied Communications*, *106*(3), #1.
- Kreutz, G. F., Bhadha, J. H., & Sandoya, G. V. (2022). Examining phosphorus use efficiency across different lettuce (*Lactuca sativa* L.) accessions. *Euphytica*, *218*(3), #28.
- Kropp, J. D., & De Andrade, M. A. (2022). Wildfires and smoke exposure create contracting and crop insurance challenges for California's wine industry. *Choices*, *37*(2).
- Krupek, F. S., Zotarelli, L., Sargent, S. A., Rowland, D., & Dittmar, P. J. (2022). Vine desiccation timing strategies for enhanced harvest and storage quality of early-maturing potato cultivars. *Potato Research*, *65*(4), 829-851.
- Kuhar, F., Nouhra, E., Smith, M. E., Caiafa, M. V., & Greslebin, A. (2022). *Tomentellopsis rosannae* sp. nov. (Basidiomycota, Thelephorales), first species in the genus described from the Southern Hemisphere. *Lilloa*, *59*, 115-123.
- Kumar, L., Kamil, I., Ahmad, M., Naqvi, S. A., Deitch, M. J., Amjad, A. Q., Kumar, A., Basheer, S., Arshad, M., & Sassanelli, C. (2022). In-house resource efficiency improvements supplementing the end of pipe treatments in textile SMEs under a circular economy fashion. *Frontiers in Environmental Science*, *10*, #1002319.
- Kumar, L., Nadeem, F., Sloan, M., Restle-Steinert, J., Deitch, M. J., Ali Naqvi, S., Kumar, A., & Sassanelli, C. (2022). Fostering green finance for sustainable development: A focus on textile and leather small medium enterprises in Pakistan. *Sustainability*, *14*(19), #11908.

- Kuwar, S. S., Mishra, R., Banerjee, R., Milligan, J., Rydel, T., Du, Z., Xie, Z., Ivashuta, S., Kouadio, J. L., Meyer, J. M., & Bonning, B. C. (2022). Engineering of Cry3Bb1 provides mechanistic insights toward countering western corn rootworm resistance. *Current Research in Insect Science*, 2, #100033.
- Kwakye, S., Kadyampakeni, D. M., Morgan, K., Vashisth, T., & Wright, A. (2022). Effects of iron rates on growth and development of young huanglongbing-affected citrus trees in Florida. *HortScience*, 57(9), 1092-1098.
- Kwakye, S., Kadyampakeni, D. M., van Santen, E., Vashisth, T., & Wright, A. (2022). Variable manganese rates influence the performance of Huanglongbing-affected citrus trees in Florida. *HortScience*, 57(3), 360-366.
- Laas, P., Ugarelli, K., Travieso, R., Stumpf, S., Gaiser, E. E., Kominoski, J., & Stingl, U. (2022). Water column microbial communities vary along salinity gradients in the Florida coastal Everglades wetlands. *Microorganisms*, 10(2), #215.
- Laforest, L. C., & Nadakuduti, S. S. (2022). Advances in delivery mechanisms of CRISPR gene-editing reagents in plants. *Frontiers in Genome Editing*, 4, #830178.
- Lagrosa, J. J., Zipperer, W. C., & Andreu, M. G. (2022). An ecosystem services-centric land use and land cover classification for a subbasin of the Tampa Bay watershed. *Forests*, 13(5), #745.
- Lahiri, S., Smith, H. A., Gireesh, M., Kaur, G., & Montemayor, J. D. (2022). Arthropod pest management in strawberry. *Insects*, 13(5), #475.
- Lai, Y. J., Yakhnin, H., Pannuri, A., Pourciau, C., Babitzke, P., & Romeo, T. (2022). CsrA regulation via binding to the base-pairing small RNA Spot 42. *Molecular microbiology*, 117(1), 32-53.
- Lambert, C., Landry, S., Andreu, M. G., Koeser, A., Starr, G., & Staudhammer, C. (2022). Impact of model choice in predicting urban forest storm damage when data is uncertain. *Landscape and Urban Planning*, 226, #104467.
- Lançon, R., Celeghini, E. C. C., Gonella-Diaza, A. M., De Guili, V., de Carvalho, C. P. T., Zoca, G. B., Garcia-Oliveros, L. N., Batissaco, L., Oliveira, L. Z., & de Arruda, R. P. (2022). Relationship between sperm ubiquitination and equine semen freezability. *Reproduction in Domestic Animals*, 57(5), 465-472.
- Land, C. J., Vallad, G. E., Desaegeer, J., van Santen, E., Noling, J., & Lawrence, K. (2022). Supplemental fumigant placement improves root knot and Fusarium wilt management for tomatoes produced on a raised-bed plasticulture system in Florida's Myakka fine sand. *Plant Disease*, 106(1), 73-78.
- Lara, M. A. S., Silva, V. J., Pedreira, C. G. S., & Sollenberger, L. E. (2022). Regrowth of brachiariagrasses as related to stubble characteristics under N fertilization and irrigation. *Crop Science*, 62(6), 2557-2567.

- Lashley, M. A., Chitwood, M. C., Dykes, J. L., DePerno, C. S., & Moorman, C. E. (2022). Human-mediated trophic mismatch between fire, plants and herbivores. *Ecography*, 2022(3), #e06045.
- Lawson, K. M., & Hill, J. E. (2022). Life history strategies differentiate established from failed non-native freshwater fish in peninsular Florida. *Diversity and Distributions*, 28(1), 160-172.
- Lawton, D., Huseh, A. S., Kennedy, G. G., Morey, A. C., Hutchison, W. D., Reisig, D. D., Dorman, S. J., (+ 36 authors including Dos Santos, I. B., Paula-Moraes, S.), & Zuefle, M. (2022). Pest population dynamics are related to a continental overwintering gradient. *Proceedings of the National Academy of Sciences of the United States of America*, 119(37), #e220330119.
- Leahy, L., Scheffers, B. R., Williams, S. E., & Andersen, A. N. (2022). Arboreality drives heat tolerance while elevation drives cold tolerance in tropical rainforest ants. *Ecology*, 103(1), #e03549.
- Lean, I. J., Sheedy, D. B., LeBlanc, S. J., Duffield, T., Santos, J. E. P., & Golder, H. M. (2022). Holstein dairy cows lose body condition score and gain body weight with increasing parity in both pasture-based and total mixed ration herds. *JDS Communications*, 3(6), 431-435.
- Lecours, V., Disney, M., He, K., Pettoirelli, N., Rowcliffe, J. M., Sankey, T., & Scales, K. (2022). Remote sensing and the UN Ocean decade: High expectations, big opportunities. *Remote Sensing in Ecology and Conservation*, 8(3), 267-271.
- Ledger, K. J., Innocent, H., Lukhele, S. M., Dorleans, R., & Wisely, S. M. (2022). Entomological risk of African tick-bite fever (*Rickettsia africae* infection) in Eswatini. *PLOS Neglected Tropical Diseases*, 16(5), #e0010437.
- Lee, C., Beauchemin, K. A., Dijkstra, J., Morris, D. L., Nichols, K., Kononoff, P. J., & Vyas, D. (2022). Estimates of daily oxygen consumption, carbon dioxide and methane emissions, and heat production for beef and dairy cattle using spot gas sampling. *Journal of Dairy Science*, 105(12), 9623-9638.
- Lee, M. B., Shekasteband, R., Hutton, S. F., & Lee, T. G. (2022). A mutant allele of the flowering promoting factor 1 gene at the tomato BRACHYTIC locus reduces plant height with high quality fruit. *Plant Direct*, 6(8), #e422.
- Lee, M. J., Kim, D., Romero, S., Hong, I., Bliznyuk, N., & Velozo, C. (2022). Examining older adults' home functioning using the american housing survey. *International Journal of Environmental Research and Public Health*, 19(8), #118858.
- Lee, S., Chouvinc, T., Mizumoto, N., Mullins, A., & Su, N. (2022). Age-based spatial distribution of workers is resilient to worker loss in a subterranean termite. *Scientific Reports*, 12(1), #7837.



- Lee, S., Fan, P., Liu, T., Yang, A., Boughton, R. K., Pepin, K. M., Miller, R. S., & Jeong, K. C. (2022). Transmission of antibiotic resistance at the wildlife-livestock interface. *Communications Biology*, 5(1), #585.
- Lee, S., Vemanna, R. S., Oh, S., Rojas, C. M., Oh, Y., Kaundal, A., Kwon, T., Lee, H. K., Senthil-Kumar, M., & Mysore, K. S. (2022). Functional role of formate dehydrogenase 1 (FDH1) for host and nonhost disease resistance against bacterial pathogens. *PLOS ONE*, 17(5), #e0264917.
- Lee, S. H., Choe, D. H., Scharf, M. E., Rust, M. K., & Lee, C. Y. (2022). Combined metabolic and target-site resistance mechanisms confer fipronil and deltamethrin resistance in field-collected German cockroaches (Blattodea: Ectobiidae). *Pesticide Biochemistry and Physiology*, 184, #105123.
- Lee, T. G. (2022). Long-read DNA sequencing leads to the more complete sequence characterization of the fruit size reducing region flanking a *Fusarium* wilt resistance gene. *Molecular Horticulture*, 2(1), #16.
- Leehan, J. D., & Nicholson, W. L. (2022). Environmental dependence of competitive fitness in rifampin-resistant *rpoB* mutants of *Bacillus subtilis*. *Applied and Environmental Microbiology*, 88(5), #e02422-21.
- Lefler, F. W., Berthold, D. E., Barbosa, M., & Laughinghouse, H. D. (2022). The effects of algaecides and herbicides on a *Nuisance microcystis wesenbergii*-dominated bloom. *Water*, 14(11), #1739.
- Lei, X. G., Combs, G. F., Sunde, R. A., Caton, J. S., Arthington, J. D., & Vatamaniuk, M. Z. (2022). Dietary selenium across species. *Annual Review of Nutrition*, 42, 337-375.
- Leite, R. V., Silva, C. A., Broadbent, E. N., Amaral, C. H. D., Liesenberg, V., Almeida, D. R. A. D., Mohan, M., (+ 27 authors including Valle, D.), & Klauberg, C. (2022). Large scale multi-layer fuel load characterization in tropical savanna using GEDI spaceborne lidar data. *Remote Sensing of Environment*, 268, #112764.
- Leksungnoen, N., Andriyas, T., Ngernsaengsaruy, C., Uthairatsamee, S., Racharak, P., Sonjaroon, W., Kjelgren, R., Pearson, B. J., McCurdy, C. R., & Sharma, A. (2022). Variations in mitragynine content in the naturally growing Kratom (*Mitragyna speciosa*) population of Thailand. *Frontiers in Plant Science*, 13, #1028547.
- LeMay, G. A., O'Loughlin, T., Wakarchuk, D., & Hulcr, J. (2022). Field response of black turpentine beetle to pine resin oxidation and pheromone displacement. *Journal of Chemical Ecology*, 48(7-8), 641-649.
- Lembrechts, J. J., van den Hoogen, J., Aalto, J., Ashcroft, M. B., De Frenne, P., Kemppinen, J., Kopecký, M., (+ 398 authors including Klinges, D. H., Basham, E. W., Scheffers, B. R.), & Lenoir, J. (2022). Global maps of soil temperature. *Global Change Biology*, 28(9), 3110-3144.

- Lemmond, B. R., Healy, R. A., Bonito, G., & Smith, M. E. (2022). *Tuber eburneum* and *Tuber mujicii*: New pine-associated tuber species from eastern North America. *Mycologia*, *114*(3), 575-586.
- Leong, B. J., Folz, J. S., Bathe, U., Clark, D. G., Fiehn, O., & Hanson, A. D. (2022). Fluoroacetate distribution, response to fluoridation, and synthesis in juvenile *Gastrolobium bilobum* plants. *Phytochemistry*, *202*, #113356.
- Leon-Tinoco, A. Y., Annis, S. L., Almeida, S. T., Guimarães, B. C., Killerby, M., Zhang, J., Wu, C., Perkins, L. B., Ma, Z., Jeong, K. C., & Romero, J. J. (2022). Evaluating the potential of lignosulfonates and chitosans as alfalfa hay preservatives using in vitro techniques. *Journal of Animal Science*, *100*(6), #skac154.
- Lesmes-Vesga, R., Cano, L. M., Ritenour, M. A., Sarkhosh, A., Chaparro, J. X., & Rossi, L. X. (2022). Rhizoboxes as rapid tools for the study of root systems of *Prunus* seedlings. *Plants*, *11*(6), #2081.
- Lesmes-Vesga, R. A., Cano, L. M., Ritenour, M. A., Sarkhosh, A., Chaparro, J. X., & Rossi, L. (2022). Rootstocks for commercial peach production in the Southeastern United States: Current research, challenges, and opportunities. *Horticulturae*, *8*(7), #602.
- Lethbridge, B. J., Asenstorfer, R. E., Bailey, L. S., Breil, B. T., Johnson, J. V., Jones, G. P., Rumjanek, V., Sims, J. J., Tate, M. E., & Triplett, E. W. (2022). Post translational modifications of Trifolitoxin: A blue fluorescent peptide antibiotic. *Journal of Antibiotics*, *75*(3), 125-135.
- Lewis, K. A., Christian, R. R., Martin, C. W., Allen, K. L., McDonald, A. M., Roberts, V. M., Shaffer, M. N., & Valentine, J. F. (2022). Complexities of disturbance response in a marine food web. *Limnology and Oceanography*, *67*(S1), S352-S364.
- Li, C., Huang, W., Zhou, T., Zhao, Q., Huang, P., Qi, P., Huang, S., Keyhani, N. O., & Huang, Z. (2022). Mutation of a prenyltransferase results in accumulation of subglutinols and destruxins and enhanced virulence in the insect pathogen, *Metarhizium anisopliae*. *Environmental Microbiology*, *24*(3), 1362-1379.
- Li, D., Stucky, B. J., Baiser, B., & Guralnick, R. (2022). Urbanization delays plant leaf senescence and extends growing season length in cold but not in warm areas of the northern hemisphere. *Global Ecology and Biogeography*, *31*(2), 308-320.
- Li, J., Chitwood-Brown, J., Kaur, G., Labate, J. A., Vallad, G. E., Lee, T. G., & Hutton, S. F. (2022). Novel sources of resistance to *Fusarium oxysporum* f. sp. *Lycopersici* race 3 among *Solanum pennellii* accessions. *Journal of the American Society for Horticultural Science*, *147*(1), 35-44.
- Li, J., Ma, X., Wang, C., Liu, S., Yu, G., Gao, M., Qian, H., Liu, M., Luisi, B. F., Gabriel, D. W., & Liang, W. (2022). Acetylation of a fungal effector that translocates host PR1 facilitates virulence. *Elife*, *11*, #e82628.

- Li, J., Wang, Y., & Suh, J. H. (2022). Multi-omics approach in tea polyphenol research regarding tea plant growth, development and tea processing: Current technologies and perspectives. *Food Science and Human Wellness*, *11*(3), 524-536.
- Li, M. M., Su, Q. L., Zu, J. R., Xie, L., Wei, Q., Guo, H. R., Chen, J., Zeng, R. Z., & Zhang, Z. S. (2022). Triploid cultivars of *Cymbidium* act as a bridge in the formation of polyploid plants. *Frontiers in Plant Science*, *13*, #1029915.
- Li, Q., Vehik, K., Li, C., Triplett, E., Roesch, L., Hu, Y. J., & Krischer, J. (2022). A robust and transformation-free joint model with matching and regularization for metagenomic trajectory and disease onset. *BMC Genomics*, *23*(1), #661.
- Li, S., Wu, F., Guan, Z. F., & Luo, T. Y. (2022). How trade affects the US produce industry: The case of fresh tomatoes. *International Food and Agribusiness Management Review*, *25*(1), 121-133.
- Li, S., Zhao, S., Christman, L. M., Washington, T. L., & Gu, L. (2022). Anti-adhesion capacities of selected cranberry polyphenols and metabolites against P-type and Type-1 fimbriated uropathogenic *E. coli* using a fluorometric method. *Food Bioscience*, *49*, #101960.
- Li, S. Y., & Vincent, C. (2022). Root:shoot balance controls flush phenology and carbohydrate translocation dynamics in citrus (*Citrus x sinensis*) trunk. *Physiologia Plantarum*, *174*(1), #e13601.
- Li, T., Xu, H., Zhang, Y., Zhang, H., Hu, X., Sun, Y., Gu, X., Luo, J., Zhou, D., & Gao, B. (2022). Treatment technologies for selenium contaminated water: A critical review. *Environmental Pollution*, *299*, #118858.
- Li, X., Singh, N., Havelaar, A. H., & Blackburn, J. K. (2022). Geographical distribution and space-time clustering of human illnesses with major *Salmonella* serotypes in Florida, USA, 2017-2018. *Epidemiol Infect*, *150*, #e175.
- Li, Y., Bateman, C., Skelton, J., Wang, B., Black, A., Huang, Y. T., Gonzalez, A., (+ 17 authors including Johnson, A. J., Adams, D. C.), & Hulcr, J. (2022). Preinvasion assessment of exotic bark beetle-vectored fungi to detect tree-killing pathogens. *Phytopathology*, *112*(2), 261-270.
- Li, Y., Hoogenboom, G., Asseng, S., Niu, J. Y., Wu, L., & Kang, L. H. (2022). Adaptation of the SIMPLE model to oilseed flax (*Linum usitatissimum* L.) for arid and semi-arid environments. *Agronomy*, *12*(6), #1267.
- Li, Y., Tang, D., Liu, Z., Chen, J., Cheng, B., Kumar, R., Yer, H., & Li, Y. (2022). An improved procedure for *Agrobacterium*-mediated transformation of 'Carrizo' citrange. *Plants*, *11*(11), #1457.
- Li, Z., Di Gioia, F., Paudel, B., Zhao, X., Hong, J., Pisani, C., Roskopf, E., & Wilson, P. (2022). Quantifying the effects of anaerobic soil disinfestation and other biological soil

- management strategies on nitrous oxide emissions from raised bed plasticulture tomato production. *Journal of Environmental Quality*, 51(2), 162-180.
- Li, Z., Soohoo-Hui, A., O'Hara, F. M., & Swale, D. R. (2022). ATP-sensitive inward rectifier potassium channels reveal functional linkage between salivary gland function and blood feeding in the mosquito, *Aedes aegypti*. *Communications Biology*, 5(1), #278.
- Lian, J., Cheng, L., Zhai, X., Wu, R., Liu, W., Pan, J., Shohag, M. J. I., Xin, X., He, Z., & Yang, X. (2022). Foliar spray of combined metal-oxide nanoparticles alters the accumulation, translocation and health risk of Cd in wheat (*Triticum aestivum* L.). *Journal of Hazardous Materials*, 440, #129857.
- Lian, Z., Nguyen, C. D., Liu, L., Wang, G., Chen, J., Wang, S., Yi, G., Wilson, S., Ozias-Akins, P., Gong, H., & Huo, H. (2022). Application of developmental regulators to improve in planta or in vitro transformation in plants. *Plant Biotechnology Journal*, 20(8), 1622-1635.
- Liang, J., Gamarra, J. G. P., Picard, N., Zhou, M., Pijanowski, B., Jacobs, D. F., Reich, P. B., (+ 241 authors including Silva, C. A., Broadbent, E. N., Kassi, J. N., Klauberg, C.), & Hui, C. (2022). Co-limitation towards lower latitudes shapes global forest diversity gradients. *Nature Ecology and Evolution*, 6, 1423-1437.
- Liang, M., Baiser, B., Hallett, L. M., Hautier, Y., Jiang, L., Loreau, M., Record, S., Sokol, E. R., Zarnetske, P. L., & Wang, S. (2022). Consistent stabilizing effects of plant diversity across spatial scales and climatic gradients. *Nature Ecology & Evolution*, 6(11), 1669-1675.
- Liang, Z., Prakapenka, D., Parker Gaddis, K. L., VandeHaar, M. J., Weigel, K. A., Tempelman, R. J., Koltes, J. E., Santos, J. E. P., White, H. M., Peñagaricano, F., Baldwin Vi, R. L., & Da, Y. (2022). Impact of epistasis effects on the accuracy of predicting phenotypic values of residual feed intake in U. S Holstein cows. *Frontiers in Genetics*, 13, #1017490.
- Liebe, D. M., Steele, N. M., Petersson-Wolfe, C. S., De Vries, A., & White, R. R. (2022). Practical challenges and potential approaches to predicting low-incidence diseases on farm using individual cow data: A clinical mastitis example. *Journal of Dairy Science*, 105(3), 2369-2379.
- Lin, C. H., Suresh, S., Matcham, E., Monagan, P., Curtis, H., Richardson, R. T., & Johnson, R. M. (2022). Soybean is a common nectar source for honey bees (Hymenoptera: Apidae) in a midwestern agricultural landscape. *Journal of Economic Entomology*, 115(6), 1846-1851.
- Lin, C. Y., Achor, D., & Levy, A. (2022). Intracellular life cycle of 'Candidatus Liberibacter asiaticus' inside psyllid gut cells. *Phytopathology*, 112(1), 145-153.
- Lin, Q., Hamid, Y., Yin, X., Hussain, B., He, Z., & Yang, X. (2022). Screening of low-Cd accumulating early rice cultivars coupled with phytoremediation and agro-production:

- Bioavailability and bioaccessibility tests. *Science of the Total Environment*, 844, #157143.
- Lin, W., Noormets, A., King, J. S., Marshall, J., Akers, M., Cucinella, J., Fox, T. R., Laviner, M. A., Martin, T. A., McNulty, S., Meek, C., Samuelson, L., Sun, G., Vogel, J., Will, R. E., & Domec, J. C. (2022). Spatial variability in tree-ring carbon isotope discrimination in response to local drought across the entire loblolly pine natural range. *Tree Physiology*, 42(1), 44-58.
- Lindner, E. E., Gingerich, K. N., Burke, K. C., Doyle, S. B., & Miller-Cushon, E. K. (2022). Effects of social housing on dairy calf social bonding. *Animals*, 12(7), #821.
- Lindsey, A. J., Thoms, A. W., Christians, N. E., & Pease, B. W. (2022). Evaluation of hollow-tine core aeration recycling on a sand-based putting green soil properties and playability. *HortTechnology*, 32(6), 529-533.
- Linkov, I., Trump, B., & Kiker, G. (2022). Diversity and inclusiveness are necessary components of resilient international teams. *Humanities and Social Sciences Communications*, 9(1), #115.
- Lipscomb, T. N., Durland Donahou, A., Yanong, R. P., Boldt, N. C., & DiMaggio, M. A. (2022). Investigations into early larval feeding practices for the Tiger Barb *Puntigrus tetrazona*. *North American Journal of Aquaculture*, 84(1), 53-65.
- Liptzin, D., Norris, C. E., Cappellazzi, S. B., Bean, G. M., Cope, M., Greub, K. L. H., Rieke, E. L., (+ 100 authors including Sidhu, S. S., Wright, D. L.), & Honeycutt, C. W. (2022). An evaluation of carbon indicators of soil health in long-term agricultural experiments. *Soil Biology and Biochemistry*, 172, #108708.
- Liscombe, D. K., Kamiyoshihara, Y., Ghironzi, J., Kempthorne, C. J., Hooton, K., Bulot, B., Kanellis, V., McNulty, J., Lam, N. B., Nadeau, L. F., Pautler, M., Tieman, D. M., Klee, H. J., & Goulet, C. (2022). A flavin-dependent monooxygenase produces nitrogenous tomato aroma volatiles using cysteine as a nitrogen source. *Proceedings of the National Academy of Sciences of the United States of America*, 119(7), #e211876119.
- Liu, C., & Grabau, Z. (2022). *Meloidogyne incognita* management using fumigant and non-fumigant nematicides on sweet potato. *Journal of Nematology*, 54(1), 1-15.
- Liu, C., Liu, Q., & Mou, Z. (2022). A direct link between BR and SA signaling: Negative regulation of TGA4 by BIN2. *Molecular Plant*, 15(8), 1254-1256.
- Liu, C., Wang, Y., Peng, J., Fan, B., Xu, D., Wu, J., Cao, Z., Gao, Y., Wang, X., Li, S., Su, Q., Zhang, Z., Wang, S., Wu, X., Shang, Q., Shi, H., Shen, Y., Wang, B., & Tian, J. (2022). High-quality genome assembly and pan-genome studies facilitate genetic discovery in mung bean and its improvement. *Plant Communications*, 3(6), #100352.
- Liu, D., Paul, A. L., Morgan, K. T., & Liu, G. (2022). Effects of oxygen fertilization on damage reduction in flooded snap bean (*Phaseolus vulgaris* L.). *Scientific Reports*, 12(1), #4282.

- Liu, H., Wang, Y., Zhang, W., Sun, W., Ji, X., Zhang, S., & Qiao, K. (2022). Lentinan extends lifespan and increases oxidative stress resistance through DAF-16 and SKN-1 pathways in *Caenorhabditis elegans*. *International Journal of Biological Macromolecules*, *202*, 286-295.
- Liu, L., Lyu, X., Pan, Z., Wang, Q., Mu, W., Benny, U., Rollins, J. A., & Pan, H. (2022). The C2H2 transcription factor SsZFH1 regulates the size, number, and development of apothecia in *Sclerotinia sclerotiorum*. *Phytopathology*, *112*(7), 1476-1485.
- Liu, Q., Xin, D., Xi, L., Gu, T., Jia, Z., Zhang, B., & Kou, L. (2022). Novel applications of exogenous melatonin on cold stress mitigation in postharvest cucumbers. *Journal of Agriculture and Food Research*, *10*, #100459.
- Liu, R. F., Liang, F., Heng, Y., Gao, Z. F., Snell, H. A., Rae, A., & Ma, H. Y. (2022). Do past experience and group heterogeneity matter to consumer preferences? Evidence from a choice experiment in urban China. *Frontiers in Psychology*, *13*, #843433.
- Liu, S., Sappington, T. W., Coates, B. S., & Bonning, B. C. (2022). Sequences encoding a novel toursvirus identified from Southern and Northern corn rootworms (Coleoptera: Chrysomelidae). *Viruses*, *14*(2), #397.
- Liu, T., Albornoz, K., Deltsidis, A., & Beckles, D. M. (2022). Editorial: Postharvest ripening, senescence, and technology. *Frontiers in Genetics*, *13*, #940584.
- Liu, Y., Ruiz-Menjivar, J., Hu, Y., Zavala, M., & Swisher, M. E. (2022). Knowledge mapping of the extant literature on the environmental impacts of using cover crops—A scientometric study. *Environments*, *9*(9), #120.
- Liu, Y., Zhang, W., Wang, Y., Liu, H., Zhang, S., Ji, X., & Qiao, K. (2022). Oxidative stress, intestinal damage, and cell apoptosis: Toxicity induced by fluopyram in *Caenorhabditis elegans*. *Chemosphere*, *286*, #131830.
- Liu, Z. Z., Gao, Z. F., Geng, X. H., Wen, L. J., & Kiprop, E. (2022). Risk aversion, marketing outlets, and biological control practice adoption: Insight from pear farmers in China. *Environmental Science and Pollution Research*, *29*(56), 84798-84813.
- Livingston, T., & Vashisth, T. (2022). Timing of gibberellic acid applications to manipulate flowering and improve fruit production in HLB-affected sweet orange. *Acta Horticulturae*, *1344*, 137-142.
- Liyanapathirana, P., Jones, J. B., & Potnis, N. (2022). Mutation of a single core gene, tssM, of type VI secretion system of *Xanthomonas perforans* influences virulence, epiphytic survival, and transmission during pathogenesis on tomato. *Phytopathology*, *112*(4), 752-764.
- Loizzo, J., Suarez, C., Rampold, S., Beattie, P., Coleman, B., & Bunch, J. C. (2022). Picturing graduate students' COVID-19 experiences: Working from home and coping through memes. *NACTA Journal*, *66*, 227-242.

- Lombard, M., Reed, C. J., Pecqueur, L., Faivre, B., Toubdji, S., Sudol, C., Brégeon, D., de Crécy-Lagard, V., & Hamdane, D. (2022). Evolutionary diversity of Dus2 enzymes reveals novel structural and functional features among members of the RNA dihydrouridine synthases family. *Biomolecules*, *12*(12), #1760.
- Lomeu, A., Shukla, A., Shukla, S., Kiker, G., Wu, C. L., Hendricks, G. S., Boughton, E. H., Sishodia, R., Guzha, A. C., Swain, H. M., Bohlen, P. J., Jenkins, D. G., & Fauth, J. E. (2022). Using biodiversity response for prioritizing participants and service provisions in a payment-for-water-storage program in the Everglades basin. *Journal of Hydrology*, *609*, #127618.
- Long, K. J., Mosby, C. A., & Jones, M. K. (2022). Glucose reduces norovirus binding to enterobacter cloacae and alters gene expression of bacterial surface structures in a growth phase dependent manner. *Viruses*, *14*(8), #1596.
- Long, Y., Luo, R., Xu, Z., Cheng, S., Li, L., Ma, H., Bao, M., Li, M., Ouyang, Z., Wang, N., & Duan, S. (2022). A fluorescent reporter-based evaluation assay for antibacterial components against *Xanthomonas citri* subsp. *citri*. *Frontiers in Microbiology*, *13*, #864963.
- Longchamps, L., Tisseyre, B., Taylor, J., Sagoo, L., Momin, A., Fountas, S., Manfrini, L., Ampatzidis, Y., Schueller, J. K., & Khosla, R. (2022). Yield sensing technologies for perennial and annual horticultural crops: A review. *Precision Agriculture*, *23*(6), 2407-2448.
- Longest, L., Adams, A. E., & Shriver, T. E. (2022). Barriers to women's collective identity formation in contaminated communities. *Environmental Sociology*, *8*(4), 413-423.
- Longest, L., Shriver, T. E., & Adams, A. E. (2022). Cultivating quiescence in risk communities: Coal ash contamination and cancer in two cities. *Environmental Politics*, *31*(7), 1182-1202.
- Looby, A., Cox, K., Bravo, S., Rountree, R., Juanes, F., Reynolds, L. K., & Martin, C. W. (2022). A quantitative inventory of global soniferous fish diversity. *Reviews in Fish Biology and Fisheries*, *32*(2), 581-595.
- Lopes, F. B., Rosa, G. J. M., Pinedo, P., Santos, J. E. P., Chebel, R. C., Galvao, K. N., Schuenemann, G. M., Bicalho, R. C., Gilbert, R. O., Rodriguez-Zas, S. L., Seabury, C. M., Rezende, F., & Thatcher, W. (2022). Investigating functional relationships among health and fertility traits in dairy cows. *Livestock Science*, *266*, #105122.
- Lopez, J. R., Winter, J. M., Elliott, J., Ruane, A. C., Porter, C., Hoogenboom, G., Anderson, M., & Hain, C. (2022). Sustainable use of groundwater may dramatically reduce irrigated production of maize, soybean, and wheat. *Earth's Future*, *10*(1), #e2021EF002018.
- Lopez, L., & Liburd, O. E. (2022). Can the introduction of companion plants increase biological control services of key pests in organic squash? *Entomologia Experimentalis et Applicata*, *170*(5), 402-418.

- López Peláez, A., Álvarez-Pérez, P., & Harris, V. W. (2022). Superdiversity: New paths for social sciences in the upcoming future. *Current Sociology*, 70(2), 161-165.
- Lorenzen, K. (2022). Size- and age-dependent natural mortality in fish populations: Biology, models, implications, and a generalized length-inverse mortality paradigm. *Fisheries Research*, 255, #106237.
- Lorenzen, K., Camp, E. V., & Garlock, T. M. (2022). Natural mortality and body size in fish populations. *Fisheries Research*, 252, #106454.
- Love, D. C., Asche, F., Young, R., Nussbaumer, E. M., Anderson, J. L., Botta, R., Conrad, Z., Froehlich, H. E., Garlock, T. M., Gephart, J. A., Ropicki, A., Stoll, J. S., & Thorne-Lyman, A. L. (2022). An overview of retail sales of seafood in the USA, 2017-2019. *Reviews in Fisheries Science & Aquaculture*, 30(2), 259-270.
- Love, D. C., Thorne-Lyman, A. L., Conrad, Z., Gephart, J. A., Asche, F., Godo-Solo, D., McDowell, A., Nussbaumer, E. M., & Bloem, M. W. (2022). Affordability influences nutritional quality of seafood consumption among income and race/ethnicity groups in the United States. *American Journal of Clinical Nutrition*, 116(2), 415-425.
- Lowe, B. S., Israel, G. D., Paudyal, R., & Wallen, K. E. (2022). The influence of evangelical and political identity on climate change views. *Society & Natural Resources*, 35(12), 1372-1389.
- Lowe, B. S., Jacobson, S. K., Israel, G. D., Kotcher, J. E., Rosenthal, S. A., Maibach, E. W., & Leiserowitz, A. (2022). The generational divide over climate change among American evangelicals. *Environmental Research Letters*, 17(11), #114020.
- Lu, Y., Silveira, M. L., O'Connor, G. A., Vendramini, J. M. B., & Li, Y. C. (2022). Biochar type and application methods affected nitrogen and phosphorus leaching from a sandy soil amended with inorganic fertilizers and biosolids. *Agrosystems, Geosciences and Environment*, 5(1), #e20236.
- Luckew, A., Meru, G., Wang, Y. Y., Mwatuwa, R., Paret, M., Carvalho, R., Kalischuk, M., Ribeiro da Silva, A. L. B., Candian, J., Dutta, B., Srinivasan, R., Kavalappara, S. R., Konakalla, R. R. D. N. C., Bag, S., & McGregor, C. (2022). Field evaluation of *Cucurbita* germplasm for resistance to whiteflies and whitefly-transmitted viruses. *HortScience*, 57(2), 337-344.
- Luo, G., Cao, V. D., Kannan, B., Liu, H., Shanklin, J., & Altpeter, F. (2022). Metabolic engineering of energycane to hyperaccumulate lipids in vegetative biomass. *BMC Biotechnology*, 22(1), #24.
- Luo, Q., Hoogenboom, G., & Yang, H. (2022). Uncertainties in assessing climate change impacts and adaptation options with wheat crop models. *Theoretical and Applied Climatology*, 149(1-2), 805-816.



- Luo, T., & Guan, Z. (2022). Public health insurance and migration of farm workers in the U.S. *Applied Economics*, 54(15), 1672-1687.
- Luo, Y., Han, Y., Hua, Y., Xue, M., Yu, S., Zhang, L., Yin, Z., Li, X., Ma, X., Wu, H., Liu, T., Shen, Y., & Gao, B. (2022). Step scheme nickel-aluminium layered double hydroxides/biochar heterostructure photocatalyst for synergistic adsorption and photodegradation of tetracycline. *Chemosphere*, 309, #136802.
- Luo, Y., Han, Y., Xue, M., Xie, Y., Yin, Z., Xie, C., Li, X., Zheng, Y., Huang, J., Zhang, Y., Yang, Y., & Gao, B. (2022). Ball-milled bismuth oxybromide/biochar composites with enhanced removal of reactive red owing to the synergy between adsorption and photodegradation. *Journal of Environmental Management*, 308, #114652.
- Luo, Y., Wang, Y., Zhu, Y., Xue, M., Zheng, A., Han, Y., Yin, Z., Hong, Z., Xie, C., Li, X., Lei, S., & Gao, B. (2022). Ball-milled bismuth oxychloride/biochar nanocomposites with rich oxygen vacancies for reactive red-120 adsorption in aqueous solution. *Biochar*, 4(1), #21.
- Luo, Y., Zheng, A., Xue, M., Xie, Y., Yu, S., Yin, Z., Xie, C., Hong, Z., Tan, W., Zou, W., Dong, L., & Gao, B. (2022). Ball-milled Bi<sub>2</sub>MoO<sub>6</sub>/biochar composites for synergistic adsorption and photodegradation of methylene blue: Kinetics and mechanisms. *Industrial Crops and Products*, 186, #115229.
- Luo, Z., Chen, Q., Su, Y., Hu, S., Keyhani, N. O., Wang, J., Zhu, C., Zhou, T., Pan, Y., Bidochka, M. J., & Zhang, Y. (2022). The AreA nitrogen catabolite repression activator balances fungal nutrient utilization and virulence in the insect fungal pathogen *Beauveria bassiana*. *Journal of Agricultural and Food Chemistry*, 71(1), 646-659.
- Lusk, M. G. (2022). Public health threats of diminished treatment of onsite sewage. *The Lancet Planetary Health*, 6(9), e707-e708.
- Lv, F., Xu, Y., Gabriel, D. W., Wang, X., Zhang, N., & Liang, W. (2022). Quantitative proteomic analysis reveals important roles of the acetylation of ER-resident molecular chaperones for conidiation in *Fusarium oxysporum*. *Molecular & Cellular Proteomics*, 21(5), #100231.
- Lyu, X., Li, Z., Wang, D., Zhang, Q., Gao, B., Sun, Y., & Wu, J. (2022). Transport of perfluorooctanoic acid in unsaturated porous media mediated by SDBS. *Journal of Hydrology*, 607, #127479.
- Ma, C., Li, Z., Mwagona, P. C., Rabbany, A., & Bhadha, J. H. (2022). Spatial and seasonal dynamics of phytoplankton groups and its relationship with environmental variables in Lake Okeechobee, USA. *Journal of Freshwater Ecology*, 37(1), 173-187.
- Ma, H., Meng, X., Xu, K., Li, M., Gmitter, F. G., Liu, N., Gai, Y., Huang, S., Wang, M., Wang, N., Xu, H., Liu, J., Sun, X., & Duan, S. (2022). Highly efficient hairy root genetic transformation and applications in citrus. *Frontiers in Plant Science*, 13, #1039094.

- Ma, W., Pang, Z., Huang, X., Xu, J., Pandey, S. S., Li, J., Achor, D. S., Vasconcelos, F. N. C., Hendrich, C., Huang, Y., Wang, W., Lee, D., Stanton, D., & Wang, N. (2022). Citrus huanglongbing is a pathogen-triggered immune disease that can be mitigated with antioxidants and gibberellin. *Nature Communications*, *13*(1), #529.
- Ma, Y., Zhang, X. W., He, F., Ma, X. C., Yi, H. M., Rose, N., Medina, A., Rozelle, S., & Congdon, N. (2022). Visual impairment in rural and migrant Chinese school-going children: Prevalence, severity, correction and associations. *British Journal of Ophthalmology*, *106*(2), 275-280.
- MacDonnell, C., Bydalek, F., Osborne, T. Z., Beard, A., Barbour, S., Leonard, D., Makinia, J., & Inglett, P. W. (2022). Use of a wastewater recovery product (struvite) to enhance subtropical seagrass restoration. *Science of the Total Environment*, *838*, #155717.
- MacDonnell, C., Tiling, K., Encomio, V., van der Heide, T., Teunis, M., Lengkeek, W., Didderen, K., Bouma, T. J., & Inglett, P. W. (2022). Evaluating a novel biodegradable lattice structure for subtropical seagrass restoration. *Aquatic Botany*, *176*, #103463.
- MacNamara, R., Camp, E., Shane, M., Lorenzen, K., & Drawbridge, M. (2022). Optimizing marine stock enhancement through modeling: A sex-specific application with California halibut *Paralichthys californicus*. *Fisheries Research*, *252*, #106341.
- Madrid, B., Wortman, S., Hayes, D. G., DeBruyn, J. M., Miles, C., Flury, M., Marsh, T. L., Galinato, S. P., Englund, K., Agehara, S., & DeVetter, L. W. (2022). End-of-life management options for agricultural mulch films in the United States—A review. *Frontiers in Sustainable Food Systems*, *6*, #921496.
- Magalhães, M., Ojeda, A., Mechlowitz, K., Brittain, K., Daniel, J., Roba, K. T., Hassen, J. Y., Manary, M. J., Gebreyes, W. A., Havelaar, A. H., & McKune, S. L. (2022). Socioecological predictors of breastfeeding practices in rural eastern Ethiopia. *International Breastfeeding Journal*, *17*, #93.
- Magee, L., Pandit, K., Flory, S. L., Crandall, R. M., Broadbent, E. N., Prata, G. A., Dillon, W., Bohlman, S., & Johnson, D. J. (2022). Life stage and neighborhood-dependent survival of longleaf pine after prescribed fire. *Forests*, *13*(1), #117.
- Magro, C., Macolino, S., Pornaro, C., McMillan, M., & Fidanza, M. (2022). Considerations with determining the minimum number of volumetric water content measurements for turfgrass root zones. *Agronomy*, *12*(6), #1402.
- Mahmoud, L. M., Kaur, P., Stanton, D., Grosser, J. W., & Dutt, M. (2022). A cationic lipid mediated CRISPR/Cas9 technique for the production of stable genome edited citrus plants. *Plant Methods*, *18*(1), #33.
- Mahmoud, L. M., Shalan, A. M., El-Boray, M. S., Vincent, C. I., El-Kady, M. E., Grosser, J. W., & Dutt, M. (2022). Application of silicon nanoparticles enhances oxidative stress tolerance in salt stressed ‘Valencia’ sweet orange plants. *Scientia Horticulturae*, *295*, #110856.

- Mahmoud, L. M., Stanton, D., Amin, B. H., Grosser, J. W., & Dutt, M. (2022). Overexpression of the Arabidopsis *NPR1* gene confers enhanced salt tolerance by regulating antioxidant and starch accumulation in citrus. *Plant Cell, Tissue and Organ Culture*, *150*(3), 695-707.
- Mahmud, M. S., Zahid, A., He, L., Zhu, H., Choi, D., Krawczyk, G., & Heinemann, P. (2022). Development of an automatic airflow control system for precision sprayers based on tree canopy density. *Journal of the ASABE*, *65*(6), 1225-1240.
- Mai, V., Burns, A. M., Solch, R. J., Dennis-Wall, J. C., Ukhanova, M., & Langkamp-Henken, B. (2022). Resistant maltodextrin consumption in a double-blind, randomized, crossover clinical trial induces specific changes in potentially beneficial gut bacteria. *Nutrients*, *14*(11), #2192.
- Maitra, S., Viswanathan, M. B., Park, K., Kannan, B., Alfanar, S. C., McCoy, S. M., Cahoon, E. B., Altpeter, F., Leakey, A. D. B., & Singh, V. (2022). Bioprocessing, recovery, and mass balance of vegetative lipids from metabolically engineered "oilcane" demonstrates its potential as an alternative feedstock for drop-in fuel production. *ACS Sustainable Chemistry and Engineering*, *10*(50), 16833-16844.
- Malekkhahi, M., Razzaghi, A., Zadeh, M. A., Mohammadi, B. S., Khosravi, P., Farrokhi, M. R., Drackley, J. K., & Vyas, D. (2022). Evaluating the effect of finely ground, dry-rolled, and crumbled corn grain on performance, feeding behavior, and starch digestion in Holstein dairy heifers. *Journal of Dairy Science*, *105*(4), 3142-3152.
- Maletha, A., Maikhuri, R. K., Bargali, S. S., Sharma, A., Negi, V. S., & Rawat, L. S. (2022). Vegetation dynamics and soil nutrient availability in a temperate forest along altitudinal gradient of Nanda Devi Biosphere Reserve, western Himalaya, India. *PLOS ONE*, *17*(10), #e0275051.
- Malone, K. M., Terhune, T. M., & Sieving, K. E. (2022). Demographic response of northern Bobwhite to hardwood canopy management in pine savanna. *Ecosphere*, *13*(5), #e4055.
- Manes, C., Pinton, D., Canestrelli, A., & Capua, I. (2022). Occurrence of fibropapillomatosis in green turtles (*Chelonia mydas*) in relation to environmental changes in coastal ecosystems in Texas and Florida: A retrospective study. *Animals*, *12*(10), #1236.
- Mann, M. X., Saha, S., Cicero, J. M., Pitino, M., Moulton, K., Hunter, W., Cano, L., Mueller, L., & Heck, M. (2022). Lessons learned about the biology and genomics of *Diaphorina citri* infection with "*Candidatus Liberibacter asiaticus*" by integrating new and archived organ-specific transcriptome data. *GigaScience*, *11*, #giac035.
- Manthena, V., Jarquín, D., Varshney, R. K., Roorkiwal, M., Dixit, G. P., Bharadwaj, C., & Howard, R. (2022). Evaluating dimensionality reduction for genomic prediction. *Frontiers in Genetics*, *13*, #958780.
- Marcelino, J., Braese, C., Christmon, K., Evans, J. D., Gilligan, T., Giray, T., Nearman, A., Niño, E. L., Rose, R., Sheppard, W. S., van Engelsdorp, D., & Ellis, J. D. (2022). The

- movement of western honey bees (*Apis mellifera* L.) among U.S. states and territories: History, benefits, risks, and mitigation strategies. *Frontiers in Ecology and Evolution*, 10, #850600.
- Marconi, S., Weinstein, B. G., Zou, S., Bohlman, S. A., Zare, A., Singh, A., Stewart, D., Harmon, I., Steinkraus, A., & White, E. P. (2022). Continental-scale hyperspectral tree species classification in the United States National Ecological Observatory Network. *Remote Sensing of Environment*, 282, #113264.
- Marin, M. V., & Peres, N. A. (2022). First report of *Botrytis cinerea* causing leaf spot on strawberry in Florida. *Plant Disease*, 106(4), #1298.
- Marin, M. V., Seijo, T., Druffel, K. L., Deng, Z., & Peres, N. A. (2022). First report of leaf rust on blackberry (*Rubus* spp.) caused by *Kuehneola uredinis* in Florida. *Plant Disease*, 106(9), #2528.
- Marin, M. V., Seijo, T. E., Zuchelli, E., & Peres, N. A. (2022). Detection and characterization of quinone outside inhibitor-resistant *Phytophthora cactorum* and *P. nicotianae* causing leather rot in Florida strawberry. *Plant Disease*, 106(4), 1203-1208.
- Marin, M. V., Wang, N. Y., Seijo, T. E., Druffel, K., McGuin, R., Deng, Z., & Peres, N. A. (2022). *Pseudocercospora pancratii* causing leaf spots on commercial blackberry (*Rubus* sp.) in Florida. *Plant Disease*, 107(1), 131-135.
- Markovich, I. J., Gettys, L. A., Thayer, K. L., Sigmon, J. W., & Serrano, D. (2022). Effect of desiccation, burial duration, and daylength on ramet sprouting of crested floatingheart (*Nymphoides cristata*). *Journal of Aquatic Plant Management*, 60, 62-65.
- Marquez, J., & Hajihassani, A. (2022). Occurrence of the root-knot nematode *Meloidogyne haplanaria* in vegetable fields of south Georgia, U.S.A. *Plant Health Progress*, 23(4), 378-380.
- Marquez, J., Hajihassani, A., & Davis, R. F. (2022). Evaluation of summer and winter cover crops for variations in host suitability for *Meloidogyne incognita*, *M. arenaria* and *M. javanica*. *Nematology*, 24(8), 841-854.
- Martens-Habbena, W., & Qin, W. (2022). Archaeal nitrification without oxygen. *Science*, 375(6576), 27-28.
- Martin, C. W., & Valentine, J. F. (2022). Climate-induced expansion of consumers in seagrass ecosystems: Lessons from invasion ecology. *Frontiers in Marine Science*, 9, #867173.
- Martinez, B., Da Silva, B. F., Aristizabal-Henao, J. J., Denslow, N. D., Osborne, T. Z., Morrison, E. S., Bianchi, T. S., & Bowden, J. A. (2022). Increased levels of perfluorooctanesulfonic acid (PFOS) during hurricane Dorian on the east coast of Florida. *Environmental Research*, 208, #112635.

- Martini, X., Malfa, K., Stockton, D., & Rivera, M. J. (2022). Cold acclimation increases Asian citrus psyllid *Diaphorina citri* (Hemiptera: Liviidae) survival during exposure to freezing temperatures. *Insect Science*, *29*(2), 531-538.
- Martins, C. P. S., Fernandes, D., Guimarães, V. M., Du, D., Silva, C., Almeida, A. A. F., Gmitter, F. G., Otoni, W. C., & Costa, M. G. C. (2022). Comprehensive analysis of the galactinol synthase (*GolS*) gene family in citrus and the function of CsGolS6 in stress tolerance. *PLOS ONE*, *17*(9), #e0274791.
- Martins, T., Rocha, C. C., Driver, J. D., Rae, O., Elzo, M. A., Mateescu, R. G., Santos, J. E. P., & Binelli, M. (2022). What a 31-yr multibreed herd taught us about the influence of *B. indicus* genetics on reproductive performance of cows. *Journal of Animal Science*, *100*(12), #skac366.
- Martins, T., Sponchiado, M., Silva, F. A. C. C., Estrada-Cortées, E., Hansen, P. J., Penagaricano, F., & Binelli, M. (2022). Progesterone-dependent and progesterone-independent modulation of luminal epithelial transcription to support pregnancy in cattle. *Physiological Genomics*, *54*(2), 71-85.
- Marupaka, V., Mylavarapu, R. S., Bergeron, J., Smidt, S. J., Hochmuth, G. J., & van Santen, E. (2022). Comparing boron soil testing methods for coastal plain sandy soils. *Communications in Soil Science and Plant Analysis*, *53*(12), 1456-1472.
- Mason, B. M., Basille, M., Nestler, J. H., & Mazzotti, F. J. (2022). Dyadic movement in an adult male and female Argentine black and white Tegu (*Salvator merianae*) in South Florida. *Southeastern Naturalist*, *21*(1), n5-n11.
- Mason, D. S., Baruzzi, C., & Lashley, M. A. (2022). Passive directed dispersal of plants by animals. *Biological Reviews*, *97*(5), 1908-1929.
- Matcham, E. G., Matias, F., Luck, B. D., & Conley, S. P. (2022). Filtering, editing, and cropping yield maps in a R environment with the package cleanRfield. *Agronomy Journal*, *114*(3), 1672-1679.
- Matley, J. K., Klinard, N. V., Barbosa Martins, A. P., Aarestrup, K., Aspillaga, E., Cooke, S. J., Cowley, P. D., Heupel, M. R., Lowe, C. G., Lowerre-Barbieri, S. K., Mitamura, H., Moore, J.-S., Simpfordorfer, C. A., Stokesbury, M. J. W., Taylor, M. D., Thorstad, E. B., Vandergoot, C. S., & Fisk, A. T. (2022). Global trends in aquatic animal tracking with acoustic telemetry. *Trends in Ecology & Evolution*, *37*(1), 79-94.
- Mattia, M. R., Du, D., Yu, Q., Kahn, T., Roose, M., Hiraoka, Y., Wang, Y., Munoz, P., & Gmitter, F. G. (2022). Genome-wide association study of healthful flavonoids among diverse mandarin accessions. *Plants*, *11*(3), #317.
- Mattiello, L., Rütgers, M., Sua-Rojas, M. F., Tavares, R., Soares, J. S., Begcy, K., & Menossi, M. (2022). Molecular and computational strategies to increase the efficiency of CRISPR-based techniques. *Frontiers in Plant Science*, *13*, #868027.

- Maurer, A. S., Cove, M. V., Siegal, O. M., & Lashley, M. A. (2022). Urbanization affects the behavior of a predator-free ungulate in protected lands. *Landscape and Urban Planning*, 222, #104391.
- Mavah, G., Child, B., & Swisher, M. E. (2022). Empty laws and empty forests: Reconsidering rights and governance for sustainable wildlife management in the Republic of the Congo. *African Journal of Ecology*, 60(2), 212-221.
- Mayorga, L., Jacobs, D., Bui, H. X., & Desaegeer, J. A. (2022). Nematicidal effect of sunn hemp root and shoot extracts on eggs and second-stage juveniles of *Meloidogyne javanica*. *Nematropica*, 52(2), 72-78.
- Mazzotti, F. J., Balaguera-Reina, S. A., Brandt, L. A., Briggs-González, V., Cherkiss, M., Farris, S., & Godahewa, A. (2022). Natural and anthropogenic factors influencing nesting ecology of the American crocodile in Florida, United States. *Frontiers in Ecology and Evolution*, 10, #904576.
- McCleery, R. A., Nhleko, Z. N., Arhens, R. M., & Ferreira, S. M. (2022). The white rhino can again be a conservation success. *Animal Conservation*, 25(2), 168-169.
- McCray, J. M., de Camargo Santos, A., & Ji, S. (2022). Sugarcane nitrogen assessment and yield response on shallow Florida histosols. *Journal of the American Society of Sugar Cane Technologists*, 42, 61-66.
- McCray, J. M., Ji, S., & Alvarado, J. S. (2022). Sugarcane Yield Response to Phosphorus Fertilizer as Related to Extractable Soil Phosphorus on Florida Mineral Soils. *Communications in Soil Science and Plant Analysis*, 53(15), 1942-1959.
- McDermott, C. E., Vincent, H. K., Mathews, A. E., Cautela, B. G., Sandoval, M., Tremblay, A., & Langkamp-Henken, B. (2022). Impact of probiotic supplementation on exercise endurance among non-elite athletes: Study protocol for a randomized, placebo-controlled, double-blind, clinical trial. *Trials*, 23(1), #603.
- McDonald, A. M., Martin, C. W., Rieucan, G., & Roberts, B. J. (2022). Prior exposure to weathered oil influences foraging of an ecologically important saltmarsh resident fish. *PeerJ*, 10, #e12593.
- McDowell, N. G., Sapes, G., Pivovarov, A., Adams, H. D., Allen, C. D., Anderegg, W. R. L., Arend, M., (+ 25 authors including Hammond, W. M.), & Xu, C. (2022). Mechanisms of woody-plant mortality under rising drought, CO<sub>2</sub> and vapour pressure deficit. *Nature Reviews Earth and Environment*, 3(5), 294-308.
- McFadden, B. R., Rumble, J. N., Stofer, K. A., Folta, K. M., Turner, S., & Pollack, A. (2021). Gene editing isn't just about food: Comments from U.S. focus groups. *GM Crops and Food*, 12(2), 616-626.

- McGee, T., Schaffer, B., Shahid, M. A., Chaparro, J. X., & Sarkhosh, A. (2022). Carbon and nitrogen metabolism in peach trees on different *Prunus* rootstocks in response to flooding. *Plant and Soil*, 475(1/2), 427-441.
- McGraw, M. S., & Daigneault, B. W. (2022). Environment to embryo: intersections of contaminant exposure and preimplantation embryo development in agricultural animals (dagger). *Biology of Reproduction*, 107(4), 869-880.
- McQueen, J. P., Gattoni, K., Gendron, E. M. S., Schmidt, S. K., Sommers, P., & Porazinska, D. L. (2022). Host identity is the dominant factor in the assembly of nematode and tardigrade gut microbiomes in Antarctic Dry Valley streams. *Scientific Reports*, 12(1), #20118.
- McVoy, M., Delbello, M., Levin, J., Modi, A. C., Forthun, L. F., Briggs, F., Appling, D., Broadnax, M., Conroy, C., Cooley, R., Eapen, G., & Sajatovic, M. (2022). A customized adherence enhancement program for adolescents and young adults with suboptimal adherence and bipolar disorder: Trial design and methodological report. *Contemporary Clinical Trials*, 115, #106729.
- Meagher, R. L., Nagoshi, R. N., Fleischer, S. J., Westbrook, J. K., Wright, D. L., Morris, J. B., Brown, J. T., & Rowley, A. J. (2022). Areawide management of fall armyworm, *Spodoptera frugiperda* (Lepidoptera: Noctuidae), using selected cover crop plants. *CABI Agriculture and Bioscience*, 3(1), #1.
- Medina, M., Kaplan, D., Milbrandt, E. C., Tomasko, D., Huffaker, R., & Angelini, C. (2022). Nitrogen-enriched discharges from a highly managed watershed intensify red tide (*Karenia brevis*) blooms in southwest Florida. *Science of the Total Environment*, 827, #154149.
- Mehrabi, Z., Delzeit, R., Ignaciuk, A., Levers, C., Braich, G., Bajaj, K., Amo-Aidoo, A., (+ 42 authors including Hoogenboom, G.), & You, L. (2022). Research priorities for global food security under extreme events. *One Earth*, 5(7), 756-766.
- Meiselrman, B., Weigel, C., Ferraro, P. J., Masters, M., Messer, K. D., Savchenko, O. M., & Suter, J. F. (2022). Lottery incentives and resource management: Evidence from the agricultural data reporting incentive program (AgDRIP). *Environmental & Resource Economics*, 82(4), 847-867.
- Melendez, M., Ehart, B., Bihn, E. A., Gunter, C. C., Kline, W., Danyluk, M. D., & Tocco, P. (2022). On-farm readiness review tool and training curriculum to help farmers assess their readiness to comply with the FSMA produce safety rule. *Food Protection Trends*, 42(6), 449-459.
- Mello, P. P., Onofre, R. B., Rea, M., Bierman, A., Gadoury, D. M., Ivors, K., Ganci, M., Broome, J. C., & Peres, N. A. (2022). Design, construction, and evaluation of equipment for nighttime applications of UV-C for management of strawberry powdery mildew in Florida and California. *Plant Health Progress*, 23(3), 321-327.

- Melo, J. R., Tonelli, M. L., Barbosa, M. C., Ariel, F., Zhao, Z., Wang, J., Fabra, A., & Ibañez, F. (2022). Evolution of LysM-RLK gene family in wild and cultivated peanut species. *Horticulturae*, 8(11), #1000.
- Mendes Rabelo, M., Dimase, M., & Paula-Moraes, S. V. (2022). Ecology and management of the invasive land snail *Bulimulus bonariensis* (Rafinesque, 1833) (Stylommatophora: Bulimulidae) in row crops. *Frontiers in Insect Science*, 2, #1056545.
- Meng, S., Tong, Z., Zhang, S., Li, G., Bao, H., Bruner, S. D., Li, Y. C., & Chen, Y. (2022). Biowaste-derived, hyperbranched dendritic EDTA analogue as an anionic biochelator with superior metal affinity. *ACS Sustainable Chemistry and Engineering*, 10(6), 2010-2021.
- Meng, S., Wang, H., Li, Y. C., Li, T., Liu, G., Zhang, S., & Tong, Z. (2022). Porous 3D-biocomposite adsorbent for iron reclamation and use in agricultural applications. *ACS Applied Polymer Materials*, 4(11), 8277-8289.
- Menocal, O., Kendra, P. E., Padilla, A., Chagas, P. C., Chagas, E. A., Crane, J. H., & Carrillo, D. (2022). Influence of canopy cover and meteorological factors on the abundance of bark and ambrosia beetles (Coleoptera: Curculionidae) in avocado orchards affected by laurel wilt. *Agronomy*, 12(3), #547.
- Menta, P. R., Machado, V. S., Piñeiro, J. M., Thatcher, W. W., Santos, J. E. P., & Vieira-Neto, A. (2022). Heat stress during the transition period is associated with impaired production, reproduction, and survival in dairy cows. *Journal of Dairy Science*, 105(5), 4474-4489.
- Mergoum, M., Johnson, J., Buck, J., Buntin, G. D., Sutton, S., Lopez, B., Mailhot, D., (+ 15 authors including Babar, A.), & Cowger, C. (2022). A new soft red winter wheat cultivar 'GA 08535-15LE29' adapted to Georgia and the U.S. southeast region. *Journal of Plant Registrations*, 16(3), 597-605.
- Meru, G., Fu, Y., Shrestha, S., Michael, V. N., Dorval, M., & Mainviel, R. (2022). Genomic position and markers associated with the hull-less seed trait in pumpkin. *Plants*, 11(9), #1238.
- Messina, C., Ciampitti, I. A., Berning, D., Bubeck, D., Hammer, G., & Cooper, M. (2022). Sustained improvement in tolerance to water deficit accompanies maize yield increase in temperate environments. *Crop Science*, 62(6), 2138-2150.
- Messina, C. D., Rotundo, J., Hammer, G. L., Gho, C., Reyes, A., Fang, Y. A., van Oosterom, E., Borrás, L., & Cooper, M. (2022). Radiation use efficiency increased over a century of maize (*Zea mays* L.) breeding in the US corn belt. *Journal of Experimental Botany*, 73(16), 5503-5513.
- Messina, C. D., Van Eeuwijk, F., Tang, T., Truong, S. K., McCormick, R. F., Technow, F., Powell, O., Mayor, L., Gutterson, N., Jones, J. W., Hammer, G. L., & Cooper, M. (2022). Crop improvement for circular bioeconomy systems. *Journal of the ASABE*, 65(3), 491-504.



- Meunier, F., Visser, M. D., Shiklomanov, A., Dietze, M. C., Guzmán Q, J. A., Sanchez-Azofeifa, G. A., De Deurwaerder, H. P. T., Krishna Moorthy, S. M., Schnitzer, S. A., Marvin, D. C., Longo, M., Liu, C., Broadbent, E. N., Almeyda Zambrano, A. M., Muller-Landau, H. C., Detto, M., & Verbeeck, H. (2022). Liana optical traits increase tropical forest albedo and reduce ecosystem productivity. *Global Change Biology*, 28(1), 227-244.
- Miao, Z., Wang, G., Shen, H., Wang, X., Gabriel, D. W., & Liang, W. (2022). BcMettl4-mediated DNA adenine N6-methylation is critical for virulence of *Botrytis cinerea*. *Frontiers in Microbiology*, 13, #925868.
- Michieka, N. M., Lacombe, D. J., & Ampatzidis, Y. (2022). Golf courses and home values in California's Central valley. *International Journal of Housing Markets and Analysis*, 15(1), 247-272.
- Middleton, E. G., & Diepenbrock, L. M. (2022). Sanitizing equipment and personnel to prevent the spread of hibiscus mealybug [*Nipaecoccus viridis* (Hemiptera: Pseudococcidae)] in Florida Citrus. *Journal of Economic Entomology*, 115(5), 1592-1600.
- Mihretie, F. A., Tesfaye, K., Hoogenboom, G., Tsunekawa, A., Molla, A., Ebabu, K., Sato, S., & Masutomi, Y. (2022). Identifying low risk and profitable crop management practices for irrigated teff production in northwestern Ethiopia. *European Journal of Agronomy*, 139, #126572.
- Mike, M., & Israel, G. (2022). Interpersonal climate change communication in Florida using quantile regression. *American Journal of Climate Change*, 11(2), 37-58.
- Miller, C. D., Forthman, M., Miller, C. W., & Kimball, R. T. (2022). Extracting 'legacy loci' from an invertebrate sequence capture data set. *Zoologica Scripta*, 51(1), 14-31.
- Miller, S., & Mullally, C. (2022). Investigating the inclusive-performance tradeoff in agricultural cooperatives: Evidence from Nepal. *World Development*, 159, #106017.
- Milletich, P. L., Ahrens, A. P., Russell, J. T., Petrone, J. R., Berryman, M. A., Agardh, D., Ludvigsson, J. F., Triplett, E. W., & Ludvigsson, J. (2022). Gut microbiome markers in subgroups of HLA class II genotyped infants signal future celiac disease in the general population: ABIS study. *Frontiers in Cellular and Infection Microbiology*, 12, #920735.
- Million, J. B., & Yeager, T. H. (2022). Fabric containers increased irrigation demand but decreased leachate loss of nitrogen and phosphorus compared with conventional plastic containers during production of Dwarf Burford holly. *HortScience*, 57(7), 743-749.
- Milligan, P. D., Martin, T. A., Pringle, E. G., Riginos, C., Mizell, G. M., & Palmer, T. M. (2022). A soil-nesting invasive ant disrupts carbon dynamics in saplings of a foundational ant-plant. *Journal of Ecology*, 110(2), 359-373.
- Mirabelli, C., Jones, M. K., Young, V. L., Kolawole, A. O., Owusu, I., Shan, M., Abuaita, B., Turula, H., Trevino, J. G., Grigороva, I., Lundy, S. K., Lyssiotis, C. A., Ward, V. K.,

- Karst, S. M., & Wobus, C. E. (2022). Human norovirus triggers primary B cell immune activation *In Vitro. mBio*, *13*(2), #e00175-22.
- Mishra, R., Arora, A. K., Jiménez, J., dos Santos Tavares, C., Banerjee, R., Panneerselvam, S., & Bonning, B. C. (2022). Bacteria-derived pesticidal proteins active against hemipteran pests. *Journal of Invertebrate Pathology*, *195*, #107834.
- Mizuta, K., & Grunwald, S. (2022). Reshaping how we think about soil security. *Soil Systems*, *6*(4), #74.
- Mizuta, K., Grunwald, S., Bacon, A. R., Cropper, W. P., Phillips, M. A., Moss, C. B., Gonzalez-Benecke, C. A., Markewitz, D., Clingensmith, C. M., & Xiong, X. (2022). Holistic aboveground ecological productivity efficiency modeling using data envelopment analysis in the Southeastern U.S. *Science of the Total Environment*, *824*, #153802.
- Moe Føre, H., Thorvaldsen, T., Osmundsen, T. C., Asche, F., Tveterås, R., Fagertun, J. T., & Bjelland, H. V. (2022). Technological innovations promoting sustainable salmon (*Salmo salar*) aquaculture in Norway. *Aquaculture Reports*, *24*, #101115.
- Mohamadzade, F., Gheysari, M., Eshghizadeh, H., Tabatabaei, M. S., & Hoogenboom, G. (2022). The effect of water and nitrogen on drip tape irrigated silage maize grown under arid conditions: Experimental and simulations. *Agricultural Water Management*, *271*, #107821.
- Molina, R. S., Rix, G., Mengiste, A. A., Álvarez, B., Seo, D., Chen, H., Hurtado, J. E., (+ 13 authors including Hanson, A. D.), & Liu, C. C. (2022). In vivo hypermutation and continuous evolution. *Nature Reviews Methods Primers*, *2*(1), #36.
- Molinari, P. C. C., Dahl, G. E., Sheldon, I. M., & Bromfield, J. J. (2022). Effect of calving season on metritis incidence and bacterial content of the vagina in dairy cows. *Theriogenology*, *191*, 67-76.
- Molinari, P. C. C., Davidson, B. D., Laporta, J., Dahl, G. E., Sheldon, I. M., & Bromfield, J. J. (2022). Prepartum heat stress in dairy cows increases postpartum inflammatory responses in blood of lactating dairy cows. *Journal of Dairy Science*, *106*(2), 1464-1474.
- Momeny, M., Jahanbakhshi, A., Neshat, A. A., Hadipour-Rokni, R., Zhang, Y. D., & Ampatzidis, Y. (2022). Detection of citrus black spot disease and ripeness level in orange fruit using learning-to-augment incorporated deep networks. *Ecological Informatics*, *71*, #101829.
- Momotaz, A., Davidson, R. W., Islam, M. S., Sandhu, H. S., Zhao, D., Sood, S., Baltazar, M., Arbelo, O. C., Gordon, V. S., & McCord, P. H. (2022). Registration of 'CP 13-4100' sugarcane. *Journal of Plant Registrations*, *16*(1), 34-43.
- Mompremier, R., Her, Y., Hoogenboom, G., & Song, J. (2022). Effects of deforestation and afforestation on water availability for dry bean production in Haiti. *Agriculture, Ecosystems and Environment*, *325*, #107721.

- Mondragon, P., Hwang, S., Kasirajan, L., Oyetero, R., Nasthas, A., Winters, E., Couto-Rodriguez, R. L., Schmid, A., & Maupin-Furlow, J. A. (2022). TrmB family transcription factor as a thiol-based regulator of oxidative stress response. *mBio*, *13*(4), #e00633-00622.
- Mondragon, P., Hwang, S., Schmid, A., & Maupin-Furlow, J. A. (2022). Hypochlorite stress assay for phenotypic analysis of the halophilic archaeon *Haloferax volcanii* using an improved incubation method and growth monitoring. *Bio-protocol*, *12*(22), #e4557.
- Monroe, M. C., Betancourt, A., Thompson, S. K., & Worthen, D. (2022). Cooperative extension builds community capacity through inclusive engagement. *Journal of Community Engagement and Scholarship*, *14*(3).
- Monsivais-Huertero, A., Constantino-Recillas, D. E., Hernandez-Sanchez, J. C., Huerta-Batiz, H. E., Judge, J., Lopez-Estrada, P. A., Jimenez-Escalona, J. C., (+ 12 authors), & Sauce-Rangel, V. M. (2022). Assessment of NASA SMAP soil moisture products for agricultural regions in central Mexico: An analysis based on the THEXMEX dataset. *Ieee Journal of Selected Topics in Applied Earth Observations and Remote Sensing*, *15*, 3421-3443.
- Monteiro, H. F., Agostinho, B. C., Vinyard, J. R., Harden, T., Bennett, S. L., Arce-Cordero, J. A., Sarmikasoglou, E., Ravelo, A. D., Bahman, A., So, S., Vieira, E. R., & Faciola, A. P. (2022). *Megasphaera elsdenii* and *Saccharomyces cerevisiae* as direct fed microbials during an in vitro acute ruminal acidosis challenge. *Scientific Reports*, *12*(1), #7978.
- Monteiro, H. F., Lelis, A. L. J., Fan, P., Calvo Agostinho, B., Lobo, R. R., Arce-Cordero, J. A., Dai, X., Jeong, K. C., & Faciola, A. P. (2022). Effects of lactic acid-producing bacteria as direct-fed microbials on the ruminal microbiome. *Journal of Dairy Science*, *105*(3), 2242-2255.
- Monterrosa, A., Paret, M. L., Ochoa, R., Ulsamer, A., & Joseph, S. V. (2022). Temporal incidence of eriophyid mites on rose rosette disease-symptomatic and -asymptomatic roses in central Georgia, USA. *Pathogens*, *11*(2), #228.
- Moor, J., Ropicki, A., Anderson, J. L., & Asche, F. (2022). Stochastic modeling and financial viability of mollusk aquaculture. *Aquaculture*, *552*, #737963.
- Moor, J., Ropicki, A., & Garlock, T. (2022). Clam aquaculture profitability under changing environmental risks. *Aquaculture Economics & Management*, *26*(3), 283-300.
- Moore, K., Burgart, C., Shawaqfeh, S., Fisher, L., & McMillan, M. (2022). Increased leaching requirements allow the use of source water high in salts for plant growth. *HortTechnology*, *32*(6), 523-528.
- Moreno, L. S. B., Boote, K. J., Sollenberger, L. E., Dubeux, J. C. B., Kohmann, M. M., & Pequeno, D. N. L. (2022). Shade and nitrogen fertilization affect forage accumulation and nutritive value of C4 grasses differing in growth habit. *Crop Science*, *62*(1), 512-523.

- Moreno, S. R., Curtis, S. J., Sarkhosh, A., Sarnoski, P. J., Sims, C. A., Dreyer, E., Rudolph, A. B., Thompson-Witrick, K. A., & MacIntosh, A. J. (2022). Considerations when brewing with fruit juices: A review and case study using peaches. *Fermentation*, 8(10), #567.
- Morgan, S., Huffaker, R., Giménez, R., Campo-Bescos, M. A., Muñoz-Carpena, R., & Govers, G. (2022). Experimental evidence that rill-bed morphology is governed by emergent nonlinear spatial dynamics. *Scientific Reports*, 12(1), #e02333.
- Moriel, P., Palmer, E. A., Oliveira, R. A., Vedovatto, M., Izquierdo, V. S., Silva, H. M., Garzon, J., Oliveira, R., Dailey, J. W., Carroll, J. A., Burdick Sanchez, N. C., Martins, T., Binelli, M., & Vendramini, J. M. B. (2022). Stair-step strategy and immunomodulatory feed ingredient supplementation for grazing heat-stressed *Bos indicus*-influenced beef heifers. *Journal of Animal Science*, 100(4), #skac107.
- Morton, E. R., Robinson, S. K., Mulindahabi, F., Masozera, M., Singh, A., & Oli, M. K. (2022). Spatiotemporal patterns in an Afrotropical montane forest bird community. *Global Ecology and Conservation*, 40, #e02333.
- Morton, O., Scheffers, B. R., Haugeaasen, T., & Edwards, D. P. (2022). Mixed protection of threatened species traded under CITES. *Current Biology*, 32(5), 999-1009.
- Morzillo, A. T., Campbell, L. K., King, K. L., Lautar, K. J., Scott, L., Johnson, M. L., Clarke, M., Rhodes, L., Pincetl, S., Sonti, N. F., Locke, D. H., Schmit, J. P., Fahey, R. T., Baker, M. E., Darling, L., & Johnson, L. R. (2022). A tale of urban forest patch governance in four eastern US cities. *Urban Forestry and Urban Greening*, 75, #127693.
- Mosby, C. A., Bhar, S., Phillips, M. B., Edelmann, M. J., & Jones, M. K. (2022). Interaction with mammalian enteric viruses alters outer membrane vesicle production and content by commensal bacteria. *Journal of Extracellular Vesicles*, 11(1), #e12172.
- Mou, B. (2022). Vegetable cultivar descriptions for North America List 28 2022. *HortScience*, 57(8), 949-1040.
- Mou, D., Di Lella, B., Halbert, S. E., Bextine, B., Helmick, E. E., & Bahder, B. W. (2022). Acquisition and transmission of the lethal bronzing phytoplasma by *Haplaxius crudus* using infected palm spear leaves and artificial feeding media. *Phytopathology*, 112(10), 2052-2061.
- Mou, D., Helmick, E. E., & Bahder, B. W. (2022). Multilocus sequence analysis reveals new hosts of palm lethal decline phytoplasmas in Florida, U.S.A. *Plant Health Progress*, 23(4), 399-408.
- Mozhdehi, R. J., & Medeiros, H. (2022). Deep convolutional correlation iterative particle filter for visual tracking. *Computer Vision and Image Understanding*, 222, #103479.
- Mudiyanselage, S. S. J. D., Abd-Elrahman, A., Wilkinson, B., & Lecours, V. (2022). Satellite-derived bathymetry using machine learning and optimal Sentinel-2 imagery in South-West Florida coastal waters. *GIScience and Remote Sensing*, 59(1), 1143-1158.

- Mullins, A., Scheffrahn, R., & Su, N. (2022). Nitrogen inventories and nitrogenase expression rates of a drywood and a subterranean termite. *Annals of the Entomological Society of America*, *115*(5), 387-390.
- Murad Leite Andrade, M. H., Acharya, J. P., Benevenuto, J., de Bem Oliveira, I., Lopez, Y., Munoz, P., Resende, M. F. R., & Rios, E. F. (2022). Genomic prediction for canopy height and dry matter yield in alfalfa using family bulks. *Plant Genome*, *15*(3), #e20235.
- Murphy, C. M., Strawn, L. K., Chapin, T. K., McEgan, R., Gopidi, S., Friedrich, L., Goodridge, L. D., Weller, D. L., Schneider, K. R., & Danyluk, M. D. (2022). Factors associated with *E. coli* levels in and *Salmonella* contamination of agricultural water differed between North and South Florida waterways. *Frontiers in Water*, *3*, #750673.
- Muthukrishnan, R., Hayes, K., Bartowitz, K., Cattau, M. E., Harvey, B. J., Lin, Y., & Lunch, C. (2022). Harnessing NEON to evaluate ecological tipping points: Opportunities, challenges, and approaches. *Ecosphere*, *13*(3), #e3989.
- Nair, V. D., & Mukherjee, A. (2022). The use of biochar for reducing carbon footprints in land-use systems: Prospects and problems. *Carbon Footprints*, *1*(2), #12.
- Nance, M. J., Haller, W. T., & Wilson, P. C. (2022). Influence of sediments on concentrations of fluridone and penoxsulam in the water column and sediment pore water. *Bulletin of Environmental Contamination and Toxicology*, *109*(5), 872-881.
- Nanduri, B., Gresham, C. R., Jones, G., Bailey, R. H., & Edelman, M. J. (2022). Identification of active deubiquitinases in the chicken tissues. *Proteomics*, *22*(1-2), #2100122.
- Naree, S., Ellis, J. D., Benbow, M. E., & Suwannapong, G. (2022). Experimental *Nosema ceranae* infection is associated with microbiome changes in the midguts of four species of *Apis* (honey bees). *Journal of Apicultural Research*, *61*(3), 435-447.
- Nasir, S., Walters, K. F. A., Pereira, R. M., Waris, M., Ali Chatha, A., Hayat, M., & Batool, M. (2022). Larvicidal activity of acetone extract and green synthesized silver nanoparticles from *Allium sativum* L. (Amaryllidaceae) against the dengue vector *Aedes aegypti* L. (Diptera: Culicidae). *Journal of Asia-Pacific Entomology*, *25*(3), #101937.
- Nasution, A., Indrayadi, H., Glen, M., Evans, K., Ratkowsky, D., Brawner, J., Gafur, A., & Mohammed, C. (2022). Phyllode inoculation provides a rapid protocol for preliminary screening of *Acacia* species for tolerance to *Ceratocystis* wilt and canker disease. *European Journal of Plant Pathology*, *163*(2), 321-339.
- Natale, R., Atem, F. D., Lebron, C., Mathew, M. S., Weerakoon, S. M., Martinez, C. C., Shelnutt, K. P., Spector, R., & Messiah, S. E. (2022). Cluster-randomised trial of the impact of an obesity prevention intervention on childcare centre nutrition and physical activity environment over 2 years. *Public Health Nutrition*, *25*(11), 3172-3181.
- Navarrete, I., López, V., Borja, R., Oyarzún, P., Garrett, K. A., Almekinders, C. J. M., Xing, Y., Struik, P. C., & Andrade-Piedra, J. L. (2022). Variety and on-farm seed management

- practices affect potato seed degeneration in the tropical highlands of Ecuador. *Agricultural Systems*, 198, #103387.
- Navia-Urrutia, M., Sanchez-Pinzon, L., Parra, P. P., & Gazis, R. (2022). A diagnostic guide for laurel wilt disease in avocado. *Plant Health Progress*, 23(3), 345-354.
- Naz, S., Ahmad, S., Abbas, G., Fatima, Z., Hussain, S., Ahmed, M., Khan, M. A., Khan, A., Fahad, S., Nasim, W., Ercisli, S., Wilkerson, C. J., & Hoogenboom, G. (2022). Modeling the impact of climate warming on potato phenology. *European Journal of Agronomy*, 132, #126404.
- Nduwimana, I., Sylla, S., Xing, Y., Simbare, A., Niyongere, C., Garrett, K. A., & Bonaventure Omondi, A. (2022). Banana seed exchange networks in Burundi – Linking formal and informal systems. *Outlook on Agriculture*, 51(3), 334-348.
- Needham, J. F., Johnson, D. J., Anderson-Teixeira, K. J., Bourg, N., Bunyavejchewin, S., Butt, N., Cao, M., (+ 44 authors), & McMahan, S. M. (2022). Demographic composition, not demographic diversity, predicts biomass and turnover across temperate and tropical forests. *Global Change Biology*, 28(9), 2895-2909.
- Nehela, Y., & Killiny, N. (2022). Not just a cycle: Three *gab* genes enable the non-cyclic flux toward succinate via GABA shunt in '*Candidatus Liberibacter asiaticus*'- infected citrus. *Molecular Plant-Microbe Interactions*, 35(3), 200-214.
- Nehemiah, S., Chagaris, D., Lowerre-Barbieri, S., & Allen, M. (2022). Environmental factors and stock abundance influence year-class strength of spotted seatrout at Cedar Key, Florida. *Marine and Coastal Fisheries*, 14(2), #e10201.
- Nehme Marinho, M., & Santos, J. E. P. (2022). Association of residual feed intake with blood metabolites and reproduction in Holstein cows. *Frontiers in Animal Science*, 3, #847574.
- Nelson, M. F., Klein, R. W., Koeser, A. K., Landry, S. M., & Kane, B. (2022). The impact of visual defects and neighboring trees on wind-related tree failures. *Forests*, 13(7), #978.
- Nesbitt, H., Barry, D., Lawson, K., & Diaz, J. (2022). Best practices for mentoring: An exploratory study of cooperating teacher and student teacher perspectives. *Advancements in Agricultural Development*, 3(4), 30-42.
- Neupane, S., Bonilla, S. I., Manalo, A. M., & Pelz-Stelinski, K. S. (2022). Complete de novo assembly of *Wolbachia* endosymbiont of *Diaphorina citri* Kuwayama (Hemiptera: Liviidae) using long-read genome sequencing. *Scientific Reports*, 12(1), #125.
- Nevins, C., Strauss, S. L., & Inglett, P. (2022). Contrasting effects of agroecosystem biocrusts on seedling growth and nitrogen accumulation in a greenhouse environment. *Agrosystems Geosciences & Environment*, 5(3), #e20295.

- Nevins, C. J., Inglett, P. W., Reardon, C. L., & Strauss, S. L. (2022). Seasonality drives microbiome composition and nitrogen cycling in soil below biocrusts. *Soil Biology & Biochemistry*, *166*, #108551.
- Nguyen, C. D., Creech, M., Xiang, D., Sandoya, G., Kopsell, D., & Huo, H. (2022). Performance of different lettuce cultivars grown hydroponically under fluorescent and light-emitting diode light growth conditions. *HortScience*, *57*(11), 1447-1452.
- Nguyen, L., Gao, Z. F., & Anderson, J. L. (2022). Regulating menu information: What do consumers care and not care about at casual and fine dining restaurants for seafood consumption? *Food Policy*, *110*, #102272.
- Nguyen, L., Gao, Z. F., Anderson, J. L., & Love, D. C. (2022). Consumers' willingness to pay for information transparency at casual and fine dining restaurants. *International Journal of Hospitality Management*, *100*, #102104.
- Nhleko, Z. N., Shrader, A. M., Ferreira, S. M., & McCleery, R. A. (2022). White rhinos and other herbivores decrease visitations and increase vigilance in response to human vocalizations. *Journal of Mammalogy*, *103*(6), 1364-1372.
- Nian, Y. F., Zhao, R. J., Tian, S. F., Zhao, X., & Gao, Z. F. (2022). Economic analysis of grafting organic tomato production in high tunnels. *HortTechnology*, *32*(5), 459-470.
- Niang, A., Maïga, H., Sawadogo, S. P., Konaté, L., Faye, O., Lee, Y., Dabiré, R. K., Diabaté, A., & Tripet, F. (2022). Perfect association between spatial swarm segregation and the X-chromosome speciation island in hybridizing *Anopheles coluzzii* and *Anopheles gambiae* populations. *Scientific Reports*, *12*(1), #10800.
- Nielsen, M., Andersen, P., Asche, F., Ellefsen, H., Hammarlund, C., Hoff, A., Kristofersson, D. M., Nielsen, R., Rógvi, H., Roll, K., Sævaldsson, H., Virtanen, J., & Waldo, S. (2022). Can small-scale fisheries survive market-based management? Nordic evidence. *Fish and Fisheries*, *23*(1), 256-272.
- Nkebiwe, P. M., Boote, K., Pflugfelder, A., Munz, S., & Graeff-Hönniger, S. (2022). Adapting the CROPGRO-faba bean model to simulate the growth and development of *Amaranthus* species. *Agronomy Journal*, *114*(4), 2243-2263.
- Noordyke, E. R., van Santen, E., & Ellis, J. D. (2022). Evaluating the strength of western honey bee (*Apis mellifera* L.) colonies fed pollen substitutes over winter. *Journal of Applied Entomology*, *146*(3), 291-300.
- Norris, D. M., Colvin, M. E., Miranda, L. E., & Lashley, M. A. (2022). Supplemental habitat is reservoir dependent: Identifying optimal planting decision using Bayesian decision networks. *Journal of Environmental Management*, *304*, #114139.
- Norris, E. J., & Bloomquist, J. R. (2022). Nutritional status significantly affects toxicological endpoints in the CDC bottle bioassay. *Pest Management Science*, *78*(2), 743-748.

- Norris, E. J., & Bloomquist, J. R. (2022). Sodium channel-directed alkaloids synergize the mosquitocidal and neurophysiological effects of natural pyrethrins. *Pesticide Biochemistry and Physiology*, *186*, #105171.
- Norris, E. J., Chen, R., Li, Z., Geldenhuys, W., Bloomquist, J. R., & Swale, D. R. (2022). Mode of action and toxicological effects of the sesquiterpenoid, nootkatone, in insects. *Pesticide Biochemistry and Physiology*, *183*, #105085.
- Nouri, M., Hoogenboom, G., Bannayan, M., & Homae, M. (2022). CSM-CERES-wheat sensitivity to evapotranspiration modeling frameworks under a range of wind speeds. *Water*, *14*(19), #3023.
- Novoa, A., Canavan, S., Lieurance, D., Simberloff, D., & Meyerson, L. A. (2022). Exploring the performance of Biological Invasions in social media five years after opening its Facebook and Twitter accounts. *Biological Invasions*, *25*(1), 294–308.
- Nunez, G. H., Anderson, N. O., Imler, C. S., Irish, L., Miller, C. T., & da Silva, M. N. (2022). Workshop proceedings: going beyond Zoom - Tips and tricks for teaching horticulture online. *HortTechnology*, *32*(4), 325-330.
- Nurmberg, P. L., Brito, A., Zimmer, C. M., Schwantes, D. O., Mantovani, E. E., Bosetti, F., Rotundo, J., Truong, S. K., Borrás, L., De La Vega, A., Messina, C., & McCormick, R. F. (2022). A commercial breeding perspective of maize improvement for drought stress tolerance. *Revista Brasileira de Milho e Sorgo*, *21*(1), #e1277.
- O’neal, L. J., Jo, A., Scarton, L., & Bruce, M. A. (2022). Food insecurity is associated with mental–physical comorbidities among U.S. adults: NHANES 2013 to 2016. *International Journal of Environmental Research and Public Health*, *19*(3), #1672.
- O’Neal, L. J., Perri, M. G., Befort, C., Janicke, D. M., Shankar, M. N., Bauman, V., Daniels, M. J., Dhara, K., & Ross, K. M. (2022). Differential impact of telehealth extended-care programs for weight-loss maintenance in African American versus white adults. *Journal of Behavioral Medicine*, *45*(4), 580-588.
- O’Neal, L. J., Scarton, L., & Dhar, B. (2022). Group social support facilitates adoption of healthier behaviors among black women in a community-initiated national diabetes prevention program. *Health Promotion Practice*, *23*(6), 916-919.
- O’Neill, B. M., Gillen, M., Garrison, S., & Herndon, M. C. (2022). OneOpPF: A personal finance professional development resource. *Journal of Extension*, *60*(3), #7.
- O’Brien, P. L., Emmett, B. D., Malone, R. W., Nunes, M. R., Kovar, J. L., Kaspar, T. C., Moorman, T. B., Jaynes, D. B., & Parkin, T. B. (2022). Nitrate losses and nitrous oxide emissions under contrasting tillage and cover crop management. *Journal of Environmental Quality*, *51*(4), 683-695.



- Ochieng, W., Silvert, C. J., & Diaz, J. (2022). Exploring the impacts of lead farmer selection on community social learning: The case of farmer-to-farmer model: A review of literature. *Journal of International Agricultural and Extension Education*, 29(3), #2.
- Odeh, R., Diehl, E. R. M., Nixon, S. J., Tisher, C. C., Klemptner, D., Sonke, J. K., Colquhoun, T. A., Li, Q., Espinosa, M., Perdomo, D., Rosario, K., Terzi, H., & Guy, C. L. (2022). A pilot randomized controlled trial of group-based indoor gardening and art activities demonstrates therapeutic benefits to healthy women. *PLOS ONE*, 17(7), #e0269248.
- Odero, D. C., & Wright, A. L. (2022). Preemergence and postemergence spiny amaranth (*Amaranthus spinosus*) and common lambsquarters (*Chenopodium album*) control in lettuce on organic soils. *Weed Technology*, 36(4), 531-536.
- Odezulu, N. G., Lowney, Y. W., Portier, K. M., Kozuch, M., Bacon, A. R., Roberts, S. M., & Stuchal, L. D. (2022). Effect of soil particle size and extraction method on the oral bioaccessibility of arsenic. *Journal of Toxicology and Environmental Health, Part A*, 85(13), 538-552.
- Oduniyi, O. S., Chagwiza, C., & Wade, T. (2022). Welfare impacts of conservation agriculture adoption on smallholder maize farmers in South Africa. *Renewable Agriculture and Food Systems*, 37(6), 672-682.
- Oduor, K. T., Dubeux, J. C. B., Ruiz-Moreno, M., & Santos, E. R. S. (2022). Optimization of biogas production from cactus *Opuntia* spp. feedstock by use of cattle manure. *Acta Horticulturae*, 1343, 75-80.
- Oehmke, T. B., Moss, C. B., & Oehmke, J. F. (2022). COVID-19 surveillance updates in US metropolitan areas: Dynamic panel data modeling. *JMIR Public Health and Surveillance*, 8(2), #e28737.
- Oglend, A., Asche, F., & Straume, H. M. (2022). Estimating pricing rigidities in bilateral transactions markets. *American Journal of Agricultural Economics*, 104(1), 209-227.
- Oh, W. S., Carmona-Cabrero, A., Muñoz-Carpena, R., & Muneeppeerakul, R. (2022). On the interplay among multiple factors: Effects of factor configuration in a proof-of-concept migration agent-based model. *Journal of Artificial Societies and Social Simulation*, 25(2), #7.
- Oh, Y., Lee, S., Rioux, R., Singh, P., Jia, M. H., Jia, Y., & Mysore, K. S. (2022). Analysis of differentially expressed rice genes reveals the atp-binding cassette transporters as candidate genes against the sheath blight pathogen, *Rhizoctonia solani*. *PhytoFrontiers*, 2(2), 105-115.
- Ohs, C. L., Beany, A. H., & DiMaggio, M. A. (2022). Survey of Florida marine baitfish retailers: Assessment of wholesale supply and the market potential for cultured pinfish and pigfish. *Aquaculture Economics & Management*, 26(1), 57-76.

- Oi, D. H., Lucky, A., & Liebowitz, D. M. (2022). Response of *Wasmannia auropunctata* (Hymenoptera: Formicidae) to water-soaked imported fire ant baits. *Florida Entomologist*, 105(2), 108-114.
- Oi, F. (2022). A review of the evolution of termite control: A continuum of alternatives to termiticides in the United States with emphasis on efficacy testing requirements for product registration. *Insects*, 13(1), #50.
- Olabiya, D. O., Duren, E. B., Price, T., Avery, P. B., Hahn, P. G., Stelinski, L. L., & Diepenbrock, L. M. (2022). Suitability of formulated entomopathogenic fungi against hibiscus mealybug, *Nipaecoccus viridis* (Hemiptera: Pseudococcidae), deployed within mesh covers intended to protect citrus from huanglongbing. *Journal of Economic Entomology*, 115(1), 212-223.
- Oli, M. K., Kenney, A. J., Boonstra, R., Boutin, S., Chaudhary, V., Hines, J. E., & Krebs, C. J. (2022). Estimating abundance, temporary emigration, and the pattern of density dependence in a cyclic snowshoe hare (*Lepus americanus*) population in Yukon, Canada. *Canadian Journal of Zoology*, 100(1), 36-45.
- Oliveira, C. J., Schumacher, L. A., Peres, N. A., Brito, J. A., Suarez, M., & Desaegeer, J. (2022). Feeding selectivity of *Aphelenchoides besseyi* and *A. pseudogoodeyi* on fungi associated with Florida strawberry. *Plant Disease*, 106(7), 1929-1934.
- Oliveira, F. C. C., Bacon, A., Fox, T. R., Jokela, E. J., Kane, M. B., Martin, T. A., Noormets, A., Wade Ross, C., Vogel, J., & Markewitz, D. (2022). A regional assessment of permanganate oxidizable carbon for potential use as a soil health indicator in managed pine plantations. *Forest Ecology and Management*, 521, #120423.
- Oliveira, J. G., Santana, M. L., Maia, N. J. C., Dubeux, J. C. B., Gameiro, A. H., Kunrath, T. R., Mendonça, G. G., & Simili, F. F. (2022). Nitrogen balance and efficiency as indicators for monitoring the proper use of fertilizers in agricultural and livestock systems. *Scientific Reports*, 12(1), #12021.
- Oliveira, J. M., Tormena, C. A., Dos Santos, G. R., Zotarelli, L., Fernandes, R. B. A., & de Oliveira, T. S. (2022). Soil penetration resistance influenced by eucalypt straw management under mechanized harvesting. *Agronomy*, 12(6), #1482.
- Oliveira, M. L., Mello, B. P., Gonella-Diaza, A. M., Scolari, S. C., Pugliesi, G., Martins, T., Feltrin, I. R., Sartori, R., Canavessi, A. M. O., Binelli, M., & Membrive, C. M. B. (2022). Unravelling the role of 17 $\beta$ -estradiol on advancing uterine luteolytic cascade in cattle. *Domestic Animal Endocrinology*, 78, #106653.
- Oliveira, M. S., Wang, N. Y., & Peres, N. A. (2022). Multilocus phylogenetic analyses of *Colletotrichum gloeosporioides* species complex causing crown rot on strawberry in Florida. *Phytopathology*, 112(4), 898-906.
- Ollerton, J., Trunschke, J., Havens, K., Landaverde-González, P., Keller, A., Gilpin, A. M., Rech, A. R., (+ 63 authors including Mallinger, R.), & Arnold, S. E. J. (2022). Pollinator-

- flower interactions in gardens during the COVID-19 pandemic lockdown of 2020. *Journal of Pollination Ecology*, 32(9), 87-96.
- Onofre, R. B., Gadoury, D. M., Stensvand, A., Bierman, A., Rea, M., & Peres, N. A. (2022). UV-transmitting plastics reduce powdery mildew in strawberry tunnel production. *Plant Disease*, 106(9), 2455-2461.
- Orlinski, P. M., Petelewicz, P., Schiavon, M., Mundo-Ocampo, M., Becker, J. O., & Baird, J. H. (2022). Pacific shoot-gall disease control in annual bluegrass putting greens using a new formulation of abamectin. *International Turfgrass Society Research Journal*, 14(1), 883-892.
- Ormsby, T. J. R., Owens, S. E., Clement, L., Mills, T. J., Cronin, J. G., Bromfield, J. J., & Sheldon, I. M. (2022). Oxysterols protect epithelial cells against pore-forming toxins. *Frontiers in Immunology*, 13, #815775.
- Orsini, J., & Coers, N. (2022). Leaders and scholars: How faculty mentoring behavior influences the development of leadership self-efficacy. *Journal of Leadership Education*, 21(1), 114-137.
- Orsini, J., Greenhaw, L. L., Coleman, B. M., Stone, W. A., & Bunch, J. C. (2022). Experiential learning style grouping impact on student outcomes in team leadership coursework. *Small Group Research*, 53(3), 366-399.
- Osiecka, A., Minogue, P. J., & Lauer, D. K. (2022). Slash pine growth and nitrogen leaching potential following fertilization and pine straw removal. *Soil Science Society of America Journal*, 86(3), 810-830.
- Osmundsen, T. C., Olsen, M. S., Gauteplass, A., & Asche, F. (2022). Aquaculture policy: Designing licenses for environmental regulation. *Marine Policy*, 138, #104978.
- Ospina-Alvarez, A., Vásquez, S. I., Catalán, I. A., Lowerre-Barbieri, S., Arteaga, M., & Juan, S. (2022). A reproductive resilience index for pelagic fish in the southern Humboldt current large marine ecosystem. *Canadian Journal of Fisheries and Aquatic Sciences*, 79(12), 2138-2159.
- Otyama, P. I., Chamberlin, K., Ozias-Akins, P., Graham, M. A., Cannon, E. K. S., Cannon, S. B., MacDonald, G. E., & Anglin, N. L. (2022). Genome-wide approaches delineate the additive, epistatic, and pleiotropic nature of variants controlling fatty acid composition in peanut (*Arachis hypogaea* L.). *G3: Genes, Genomes, Genetics*, 12(1), #jkab382.
- Ouédraogo, A., Zampaligré, N., Mulubrhan, B., & Adesogan, A. T. (2022). Assessment of peri-urban livestock producers' willingness to pay for improved forages as cash crops. *Agronomy Journal*, 114(1), 63-74.
- Ozer, E. J., Martinez, L. S., Abraczinskas, M., Villa, B., & Prata, N. (2022). Toward Integration of Life Course Intervention and Youth Participatory Action Research. *Pediatrics*, 149, #e2021053509H.

- Padgett-Pagliai, K. A., Pagliai, F. A., da Silva, D. R., Gardner, C. L., Lorca, G. L., & Gonzalez, C. F. (2022). Osmotic stress induces long-term biofilm survival in *Liberibacter crescens*. *BMC Microbiology*, 22(1), #52.
- Pagac, A. A., Geden, C. J., Burgess, E. R., Riggs, M. R., & Machtinger, E. T. (2022). Filth fly parasitoid (Hymenoptera: Pteromalidae) monitoring techniques and species composition in poultry layer facilities. *Journal of Medical Entomology*, 59(6), 2006-2012.
- Pakbin, B., Rossen, J. W. A., Brück, W. M., Montazeri, N., Allahyari, S., Dibazar, S. P., Abdolvahabi, R., Mahmoudi, R., Peymani, A., & Samimi, R. (2022). Prevalence of foodborne and zoonotic viral pathogens in raw cow milk samples. *FEMS Microbiology Letters*, 369(1), #fnac108.
- Palacio, F. X., Callaghan, C. T., Cardoso, P., Hudgins, E. J., Jarzyna, M. A., Ottaviani, G., Riva, F., Graco-Roza, C., Shirey, V., & Mammola, S. (2022). A protocol for reproducible functional diversity analyses. *Ecography*, 2022(11), #e06287.
- Paleari, L., Li, T., Yang, Y., Wilson, L. T., Hasegawa, T., Boote, K. J., Buis, S., Hoogenboom, G., Gao, Y., Movedi, E., Ruget, F., Singh, U., Stöckle, C. O., Tang, L., Wallach, D., Zhu, Y., & Confalonieri, R. (2022). A trait-based model ensemble approach to design rice plant types for future climate. *Global Change Biology*, 28(8), 2689-2710.
- Pallandt, M. M. T. A., Kumar, J., Mauritz, M., Schuur, E. A. G., Virkkala, A. M., Celis, G., Hoffman, F. M., & Göckede, M. (2022). Representativeness assessment of the pan-Arctic eddy covariance site network and optimized future enhancements. *Biogeosciences*, 19(3), 559-583. doi:10.5194/bg-19-559-2022
- Palmer, E. A., Vedovatto, M., Oliveira, R. A., Ranches, J., Vendramini, J. M. B., Poore, M. H., Martins, T., Binelli, M., Arthington, J. D., & Moriel, P. (2022). Effects of maternal winter vs. year-round supplementation of protein and energy on postnatal growth, immune function, and carcass characteristics of *Bos indicus*-influenced beef offspring. *Journal of Animal Science*, 100(3), #skac003.
- Palmer, E. A., Vedovatto, M., Oliveira, R. A., Ranches, J., Vendramini, J. M. B., Poore, M. H., Martins, T., Binelli, M., Arthington, J. D., & Moriel, P. (2022). Timing of maternal supplementation of dried distillers grains during late gestation influences postnatal growth, immunocompetence, and carcass characteristics of *Bos indicus*-influenced beef calves. *Journal of Animal Science*, 100(2), #skac022.
- Palmer, J. B., Hahn, P. G., Metcalf, E. C., & Maron, J. L. (2022). Seed size of co-occurring forb species predicts rates of predispersal seed loss from insects. *Ecosphere*, 13(4), #e4032.
- Pancarte, C., Altamimi, R., Fall, M. N. D., & Martini, X. (2022). Repellency of volatiles from Martinique island guava varieties against Asian citrus psyllids. *Arthropod-Plant Interactions*, 16(3-4), 341-348.

- Pandey, S. S., Hendrich, C., Andrade, M. O., & Wang, N. (2022). *Candidatus Liberibacter*: From movement, host responses, to symptom development of citrus huanglongbing. *Phytopathology*, *112*(1), 55-68.
- Panneerselvam, S., Mishra, R., Berry, C., Crickmore, N., & Bonning, B. C. (2022). BPPRC database: A web-based tool to access and analyse bacterial pesticidal proteins. *Database*, *2022*, #baac022.
- Pant, B. D., Lee, S., Lee, H. K., Krom, N., Pant, P., Jang, Y., & Mysore, K. S. (2022). Overexpression of *Arabidopsis* nucleolar GTP-binding 1 (NOG1) proteins confers drought tolerance in rice. *Plant Physiology*, *189*(2), 988-1004.
- Panthi, B., Cloonan, K. R., Rodriguez-Saona, C., Short, B. D., Kirkpatrick, D. M., Loeb, G. M., Aflitto, N. C., (+ 19 authors including Liburd, O. E., Lambert, A. R.), & Sial, A. A. (2022). Using red panel traps to detect spotted-wing drosophila and its infestation in us berry and cherry crops. *Journal of Economic Entomology*, *115*(6), 1995-2003.
- Pappo, E., Wilson, C., & Flory, S. L. (2022). Enhancing climate change education through links to agriculture. *The American Biology Teacher*, *84*(4), 207-212.
- Parajuli, A., Harmon, C. L., Minsavage, G. V., Jones, D. D., Timilsina, S., Paret, M. L., & Jones, J. B. (2022). Draft genome sequences of *Pseudomonas amygdali* pv. *loropetali* pathotype strain DSM 105780 PT, isolated from Florida. *Access Microbiology*, *4*(9), #000423.
- Parajuli, S., Huo, H., Gmitter, F. G., Jr., Duan, Y., Luo, F., & Deng, Z. (2022). Editing the *CsDMR6* gene in citrus results in resistance to the bacterial disease citrus canker. *Horticulture Research*, *9*, #uhac082.
- Parker-Crockett, C., Rampold, S. D., Galindo, S., Bunch, J. C., Andenoro, A., Connelly, C. R., Lucky, A., & Telg, R. (2022). Fight the bite: Implementation of mosquito-based curriculum in elementary, middle, and high schools in Florida. *Journal of Agricultural Education*, *63*(2), 37-51.
- Parkins, A. J., Haseeb, M., Liburd, O. E., & Kanga, L. H. B. (2022). Effects of three cultural practices on *Drosophila suzukii* (Diptera: Drosophilidae) in open blueberry fields in Florida. *Insects*, *13*(10), #957.
- Parrish, S. B., & Deng, Z. (2022). Discovery and characterization of novel fertile triploids and a new chromosome number in *Caladium* (*Caladium* × *Hortulanum*). *HortScience*, *57*(9), 1078-1085.
- Parsons, E. I., Gitzen, R. A., Pynne, J. T., Conner, L. M., Castleberry, S. B., Duncan, S. I., Austin, J. D., & McCleery, R. A. (2022). Determining habitat requirements for the southeastern pocket gopher (*Geomys pinetis*) at multiple scales. *Journal of Mammalogy*, *103*(3), 672-679.
- Parsons, S. E., Ferzli, M., Aune, P., & Dale, A. G. (2022). Exploring plant-insect interactions year-round through field sampling. *The American Biology Teacher*, *84*(6), 360-364.

- Partow, A. J., Kim, M., Fan, P., Liu, T., Tong, Z., & Jeong, K. C. (2022). Comprehensive in vitro and in vivo risk assessments of  $\beta$ -lactam antibiotic and  $\beta$ -lactamase inhibitor loaded chitosan nanoparticles. *Journal of Industrial and Engineering Chemistry*, *113*, 181-188.
- Patel, A. M., Lee, W. S., & Peres, N. A. (2022). Imaging and deep learning based approach to leaf wetness detection in strawberry. *Sensors*, *22*(21), #8558.
- Patterson Rosa, L., Campos, F. A., Martin, K., Vierra, M., Foster, G., Lundquist, E., Brooks, S. A., & Lafayette, C. (2022). Demystifying the genetic origins of the mangalarga horse through the influential stallion *Turbante J.O.* *Journal of Equine Veterinary Science*, *113*, #103910.
- Patterson Rosa, L., Martin, K., Vierra, M., Lundquist, E., Foster, G., Brooks, S. A., & Lafayette, C. (2022). A KIT variant associated with increased white spotting epistatic to MC1R genotype in horses (*Equus caballus*). *Animals*, *12*(15), #1958.
- Patterson Rosa, L., Whitaker, B., Allen, K., Peters, D., Buchanan, B., McClure, S., Honnas, C., Buchanan, C., Martin, K., Lundquist, E., Vierra, M., Foster, G., Brooks, S. A., & Lafayette, C. (2022). Genomic loci associated with performance limiting equine overriding spinous processes (kissing spines). *Research in Veterinary Science*, *150*, 65-71.
- Paul, A. L., Elardo, S. M., & Ferl, R. (2022). Plants grown in Apollo lunar regolith present stress-associated transcriptomes that inform prospects for lunar exploration. *Communications Biology*, *5*(1), #382.
- Paul, L. A., Savchenko, O. M., Kecinski, M., & Messer, K. D. (2022). Nudge or sludge? An in-class experimental auction illustrating how misunderstood scientific information can change consumer behavior. *Applied Economics Teaching Resources*, *4*(1), 34-43.
- Pawluk, A. M., Kim, D., Jin, Y. H., Jeong, K. C., & Mah, J. H. (2022). Biofilm-associated heat resistance of *Bacillus cereus* spores in vitro and in a food model, *Cheonggukjang jjigae*. *International Journal of Food Microbiology*, *363*, #109505.
- Pearson, D. E., Clark, T. J., & Hahn, P. G. (2022). Evaluating unintended consequences of intentional species introductions and eradications for improved conservation management. *Conservation Biology*, *36*(1), #e13734.
- Peeling, J. A., Singh, A., & Judge, J. (2022). A structural equation modeling approach to disentangling regional-scale landscape dynamics in Ghana. *Frontiers in Environmental Science*, *9*, #729266.
- Penca, C., Goltz, N. C., Hodges, A. C., Leppla, N. C., Eger, J. E., & Smith, T. R. (2022). Use of pyriproxyfen to induce oogenesis in diapausing *Megacopta cribraria* (Heteroptera: Plataspidae), and evaluation of pyriproxyfen-induced eggs for rearing the parasitoid *Paratelenomus saccharalis* (Hymenoptera: Scelionidae). *Insects*, *13*(1), #89.

- Penyalver, R., Roesch, L. F. W., Piquer-Salcedo, J. E., Forner-Giner, M. A., & Alguacil, M. D. M. (2022). From the bacterial citrus microbiome to the selection of potentially host-beneficial microbes. *New Biotechnology*, *70*, 116-128.
- Percivall, K., Amgain, N. R., Inglett, K., Strauss, S. L., & Bhadha, J. H. (2022). Phosphorous remediation using alginate/glomalin biobeads: Examining structural cohesivity, nutrient retention, and reapplication viability. *Frontiers in Environmental Science*, *10*, #889940.
- Pereira Bonfim Neto, A., Miskulin Cardoso, A. P. M., Dos Santos Silva, R., Medeiros de Carvalho Sousa, L. M., Giometti, I. C., Binelli, M., Bauersachs, S., Kowalewski, M. P., & de Carvalho Papa, P. (2022). An approach to uncover the relationship between 17 $\beta$ -estradiol and ESR1/ESR2 ratio in the regulation of canine corpus luteum. *Frontiers in Veterinary Science*, *9*, #885257.
- Pereira, C. H., Paudel, D., Rodrigues Nunes, J. A., Unruh, J. B., Quesenberry, K., Kenworthy, K., & Rios, E. (2022). Multienvironment evaluation of St. Augustinegrass breeding lines for turf performance via a mixed-models approach. *International Turfgrass Society Research Journal*, *14*(1), 673-682.
- Pereira, F. C., Ramalho, M. A. P., de Resende Junior, M. F. R., & Pinho, R. G. V. (2022). Mega-environment analysis of maize breeding data from Brazil. *Scientia Agricola*, *79*(2), #e20200314.
- Pereira, S. T. S., Sorgato, J. C., Vendrame, W. A., Faria, R. T., & Pivetta, K. F. L. (2022). Light and culture medium formulations for in vitro germination and development of *Brassavola perrinii*. *Revista Ciencia Agronomica*, *53*, #e20207362.
- Pereira, W. J., Knaack, S., Chakraborty, S., Conde, D., Folk, R. A., Triozzi, P. M., Balmant, K. M., Dervinis, C., Schmidt, H. W., Ané, J. M., Roy, S., & Kirst, M. (2022). Functional and comparative genomics reveals conserved noncoding sequences in the nitrogen-fixing clade. *New Phytologist*, *234*(2), 634-649.
- Pérez-Alva, A., MacIntosh, A. J., Baigts-Allende, D. K., García-Torres, R., & Ramírez-Rodrigues, M. M. (2022). Fermentation of algae to enhance their bioactive activity: A review. *Algal Research*, *64*, #102684.
- Perez-Brena, N. J., Duncan, J. C., Bámaca, M. Y., & Perez, R. (2022). Progress and gaps: A systematic review of the family demographics and family subsystems represented in top family science journals 2008–2018. *Journal of Family Theory and Review*, *14*(1), 59-78.
- Pérez-Millán, R., Cámara-Zapata, J. M., Fernández-Zapata, J. C., Simón-Grao, S., Alfosea-Simón, M., Zavala-González, E. A., Shahid, M. A., & García-Sánchez, F. (2022). Application of Biocat G, selenium, and chitosan to counteract the negative effects of cd in broccoli plants grown in soilless culture. *Agronomy*, *12*(6), #1327.
- Pérez-Ramos, D. W., Ramos, M. M., Payne, K. C., Giordano, B. V., & Caragata, E. P. (2022). Collection time, location, and mosquito species have distinct impacts on the mosquito microbiota. *Frontiers in Tropical Diseases*, *3*, #896289.

- Perez-Santana, M., Cagampang, G. B., Nieves, C., Cedeño, V., & MacIntosh, A. J. (2022). Use of high oleic palm oils in fluid shortenings and effect on physical properties of cookies. *Foods*, *11*(18), #2793.
- Perondi, D., Boote, K., de Souza Nória Júnior, R., Mulvaney, M., Iboyi, J., & Fraisse, C. (2022). Assessment of soybean yield variability in the southeastern U.S. with the calibration of genetic coefficients from variety trials using CROPGRO-Soybean. *Agronomy Journal*, *114*(2), 1100-1114.
- Perondi, D., de Souza Nória Júnior, R., Zotarelli, L., Mulvaney, M. J., & Fraisse, C. W. (2022). Soybean maturity groups and sowing dates to minimize ENSO and extreme weather events effects on yield variability in the southeastern US. *Agricultural and Forest Meteorology*, *324*, #109104.
- Perrin, J. E., Jernigan, S. R., Thayer, J. D., Howell, A. W., Leary, J. K., & Buckner, G. D. (2022). Sensor fusion with deep learning for autonomous classification and management of aquatic invasive plant species. *Robotics*, *11*(4), #68.
- Persa, R., Graef, G. L., Specht, J. E., Rios, E., Messina, C. D., & Jarquin, D. (2022). Enhancing genomic prediction models for forecasting days to maturity in soybean genotypes using site-specific and cumulative photoperiod data. *Agriculture*, *12*(4), #545.
- Persad, A. K., Fahmy, H. A., Anderson, N., Cui, J., Topalcengiz, Z., Jearnsripong, S., Spanninger, P. M., Buchanan, R. L., Kniel, K. E., Jay-Russell, M., Danyluk, M. D., Rajashekara, G., & LeJeune, J. T. (2022). Identification and subtyping of salmonella isolates using matrix-assisted laser desorption-ionization time-of-flight mass spectrometry (MALDI-TOF). *Microorganisms*, *10*(4), #688.
- Persaud, L., Bheemanahalli, R., Seepaul, R., Reddy, K. R., & Macoon, B. (2022). Low- and high-temperature phenotypic diversity of *Brassica carinata* genotypes for early-season growth and development. *Frontiers in Plant Science*, *13*, #900011.
- Pessoa, T. N., Cooper, M., Nunes, M. R., Uteau, D., Peth, S., Vaz, C. M. P., & Libardi, P. L. (2022). 2D and 3D techniques to assess the structure and porosity of oxisols and their correlations with other soil properties. *Catena*, *210*, #105899.
- Petrone, J. R., Muñoz-Beristain, A., Glusberger, P. R., Russell, J. T., & Triplett, E. W. (2022). Unamplified, long-read metagenomic sequencing approach to close endosymbiont genomes of low-biomass insect populations. *Microorganisms*, *10*(3), #513.
- Pfister, D. H., Healy, R., Furci, G., Mujic, A., Nouhra, E., Truong, C., Caiafa, M. V., & Smith, M. E. (2022). A reexamination and realignment of *Peziza sensu lato* (*Pezizomycetes*) species in southern south America. *Darwiniana*, *10*(1), 148-177.
- Pfister, D. H., Healy, R., LoBuglio, K. F., Furci, G., Mitchell, J., & Smith, M. E. (2022). South American morels in the Elata group: Mitosporic states, distributions, and commentary. *Mycological Progress*, *21*(12), #97.



- Phillips, J., Haimbaugh, A. S., Akemann, C., Shields, J. N., Wu, C. C., Meyer, D. N., Baker, B. B., Siddiqua, Z., Pitts, D. K., & Baker, T. R. (2022). Developmental phenotypic and transcriptomic effects of exposure to nanomolar levels of 4-nonylphenol, triclosan, and triclocarban in zebrafish (*Danio rerio*). *Toxics*, *10*(2), #53.
- Picasso, V. D., Berti, M., Cassida, K., Collier, S., Fang, D., Finan, A., Krome, M., Hannaway, D., Lamp, W., Stevens, A. W., & Williams, C. (2022). Diverse perennial circular forage systems are needed to foster resilience, ecosystem services, and socioeconomic benefits in agricultural landscapes. *Grassland Research*, *1*(2), 123-130.
- Pick, D. A., Avery, P. B., Qureshi, J. A., Arthurs, S. P., & Powell, C. A. (2022). Field persistence and pathogenicity of *Cordyceps fumosorosea* for management of *Diaphorina citri*. *Biocontrol Science and Technology*, *32*(2), 151-162.
- Piedra, L. A., Martinez, L. C., Ruiz, A., Vazquez, J. R., Guzman, M. G., Rey, J., & Bisset, J. A. (2022). First record of natural transovarial transmission of dengue virus in *Aedes albopictus* from Cuba. *The American Journal of Tropical Medicine and Hygiene*, *106*(2), 582-584.
- Piedra, L. A., Rodríguez, M. M., Martínez, L. C., Ruiz, A., García, I., Rey, J., & Bisset, J. A. (2022). Characterization of insecticide resistance in *Aedes aegypti* from the zoological garden of Havana, Cuba. *Journal of the American Mosquito Control Association*, *38*(3), 208-215.
- Pierson, E. A., Cubero, J., Roper, C., Brown, J. K., Bock, C. H., & Wang, N. (2022). 'Candidatus liberibacter' pathosystems at the forefront of agricultural and biological research challenges. *Phytopathology*, *112*(1), 7-10.
- Pietsch, G. M., Gazis, R., Klingeman, W. E., Huff, M. L., Staton, M. E., Kolarik, M., & Hadziabdic, D. (2022). Characterization and microsatellite marker development for a common bark and ambrosia beetle associate, *Geosmithia obscura*. *Microbiology Open*, *11*(3), #e1286.
- Pillai, V. V., Kei, T. G., Gurung, S., Das, M., Siqueira, L. G. B., Cheong, S. H., Hansen, P. J., & Selvaraj, V. (2022). RhoA/ROCK signaling antagonizes bovine trophoblast stem cell self-renewal and regulates preimplantation embryo size and differentiation. *Development*, *149*(7), #dev200115.
- Pilnick, A. R., O'Neil, K. L., DiMaggio, M. A., & Patterson, J. T. (2022). Development of larviculture protocols for the long-spined sea urchin (*Diadema antillarum*) and enhanced performance with diets containing the cryptophyte *Rhodomonas lens*. *Aquaculture International*, *30*(6), 3017-3034.
- Pincinato, R. B. M., Gasalla, M. A., Garlock, T., & Anderson, J. L. (2022). Market incentives for shark fisheries. *Marine Policy*, *139*, #105031.

- Pine, W. E., Johnson, F. A., Frederick, P. C., & Coggins, L. G. (2022). Adaptive management in practice and the problem of application at multiple scales—Insights from oyster reef restoration on Florida’s Gulf coast. *Marine and Coastal Fisheries*, *14*(1), #e10192.
- Pinedo, P., Manríquez, D., Azocar, J., Klug, B. R., & De Vries, A. (2022). Dynamics of automatically generated body condition scores during early lactation and pregnancy at first artificial insemination of Holstein cows. *Journal of Dairy Science*, *105*(5), 4547-4564.
- Pinedo, P. J., Manríquez, D., Ciarletta, C., Azocar, J., & De Vries, A. (2022). Association between body condition score fluctuations and pregnancy loss in Holstein cows. *Journal of Animal Science*, *100*(10), #skac266.
- Pinkney, J. L., Laplante, K. A., & Dale, A. G. (2022). Mixing warm-season turfgrass cultivars to reduce weed pressure and increase lawn quality. *International Turfgrass Society Research Journal*, *14*(1), 713-716.
- Pirtle, T., Chavarria, M. R., Erickson, J. E., Kenworthy, K. E., Cox, K., Unruh, J. B., Kruse, J., Cardenas, B., Dukes, M., Milla-Lewis, S., Chandra, A., Wherley, B., & Moss, J. (2022). Effects of St. Augustinegrass genotype and irrigation frequency on turfgrass quality in a subtropical environment. *International Turfgrass Society Research Journal*, *14*(1), 683-693.
- Pisarello, K. L., Sun, G., Evans, J. M., & Fletcher, R. J. (2022). Potential long term water yield impacts from pine plantation management strategies in the southeastern United States. *Forest Ecology and Management*, *522*, #120454.
- Plummer, C. E., Polk, T., Sharma, J., Bae, S. S., Barr, O., Jones, A., Kitchen, H., Wilhelmy, M., Devin, K., Clay Smith, W., Kolaczkowski, B. D., & Larkin, J. (2022). Open label safety and efficacy pilot to study mitigation of equine recurrent uveitis through topical suppressor of cytokine signaling-1 mimetic peptide. *Scientific Reports*, *12*(1), #7177.
- Pohanková, E., Hlavinka, P., Kersebaum, K. C., Rodríguez, A., Balek, J., Bednařík, M., Dubrovský, M., (+ 15 authors including Hoogenboom, G., Shelia, V.), & Trnka, M. (2022). Expected effects of climate change on the production and water use of crop rotation management reproduced by crop model ensemble for Czech Republic sites. *European Journal of Agronomy*, *134*, #126446.
- Poindexter, M. B., Zimpel, R., Vieira-Neto, A., Husnain, A., Silva, A. C. M., Faccenda, A., Sanches de Avila, A., Celi, P., Cortinhas, C., Santos, J. E. P., & Nelson, C. D. (2022). Effect of prepartum source and amount of vitamin D supplementation on lactation performance of dairy cows. *Journal of Dairy Science*, *106*(2), 974-989.
- Pokrzywinski, K. L., Bishop, W. M., Grasso, C. R., Fernando, B. M., Sperry, B. P., Berthold, D. E., Laughinghouse, H. D., Van Goethem, E. M., Volk, K., Heilman, M., & Getsinger, K. D. (2022). Evaluation of a peroxide-based Algaecide for cyanobacteria control: A mesocosm trial in Lake Okeechobee, FL, USA. *Water*, *14*(2), #169.

- Poli, C., Robertson, E. P., Martin, J., Powell, A. N., & Fletcher, R. J. (2022). An invasive prey provides long-lasting silver spoon effects for an endangered predator. *Proceedings of the Royal Society of Biological Sciences*, 289(1977), #20220820.
- Polinko, A. D., Willis, J. L., Sharma, A., & Guldin, J. M. (2022). Stand-level structural characteristics dictate hurricane resistance and resilience more than silvicultural regime in longleaf pine woodlands. *Forest Ecology and Management*, 526, #120585.
- Pollo-Oliveira, L., Davis, N. K., Hossain, I., Ho, P., Yuan, Y., Salguero García, P., Pereira, C., (+ 13 authors including Sze, M., Blaby-Haas, C. E., Conesa, A.), & de Crécy-Lagard, V. (2022). The absence of the queuosine tRNA modification leads to pleiotropic phenotypes revealing perturbations of metal and oxidative stress homeostasis in *Escherichia coli* K12. *Metallomics*, 14(9), #mfac065.
- Porazinska, D. L., Seastedt, T. R., Gendron, E. M. S., & Schmidt, S. K. (2022). Invasive annual cheatgrass enhances the abundance of native microbial and microinvertebrate eukaryotes but reduces invasive earthworms. *Plant and Soil*, 473(1-2), 591-604.
- Portnoy, D. S., Fields, A. T., Puritz, J. B., Hollenbeck, C. M., & Patterson, W. F., III. (2021). Genomic analysis of red snapper, *Lutjanus campechanus*, population structure in the U.S. Atlantic and Gulf of Mexico. *ICES Journal of Marine Science*, 79(1), 12-21.
- Post, L. A., Lundberg, A., Moss, C. B., Brandt, C. A., Quan, I., Han, L., & Mason, M. (2022). Geographic trends in opioid overdoses in the US from 1999 to 2020. *Jama Network Open*, 5(7), #e2223631.
- Poudyal, C., Costa, L. F., Sandhu, H., Ampatzidis, Y., Odero, D. C., Arbelo, O. C., & Cherry, R. H. (2022). Sugarcane yield prediction and genotype selection using unmanned aerial vehicle-based hyperspectral imaging and machine learning. *Agronomy Journal*, 114(4), 2320-2333.
- Pounds, K., Bao, H., Luo, Y., De, J., Schneider, K., Correll, M., & Tong, Z. (2022). Real-time and rapid food quality monitoring using smart sensory films with image analysis and machine learning. *ACS Food Science & Technology*, 2(7), 1123-1134.
- Powell, G. S., Saxton, N. A., Pacheco, Y. M., Stanger-Hall, K. F., Martin, G. J., Kusy, D., Felipe Lima Da Silveira, L., Bocak, L., Branham, M. A., & Bybee, S. M. (2022). Beetle bioluminescence outshines extant aerial predators. *Proceedings of the Royal Society B: Biological Sciences*, 289(1979), #20220821.
- Prade, P., Cuda, P., & Minter, C. R. (2022). Investigating the potential for plant-mediated interactions between two biological control agents for Brazilian peppertree. *Biocontrol Science and Technology*, 32(6), 731-740.
- Prasifka, J. R., Peterson, K., Mallinger, R. E., & Van Tassel, D. L. (2022). Changes to architecture of *Silphium integrifolium* Michx. during domestication reveal new trade-offs for yield. *Crop Science*, 62(3), 1060-1068.

- Preciado, J., Begcy, K., & Liu, T. (2022). The Arabidopsis HDZIP class II transcription factor ABA insensitive to growth 1 functions in leaf development. *Journal of Experimental Botany*, 73(7), 1978-1991.
- Pupo, M. R., Wallau, M. O., & Ferraretto, L. F. (2022). Effects of season, variety type, and trait on dry matter yield, nutrient composition, and predicted intake and milk yield of whole-plant sorghum forage. *Journal of Dairy Science*, 105(7), 5776-5785.
- Puri, M., Marx, A. J., Possingham, H. P., Wilson, K. A., Karanth, K. K., & Loiselle, B. A. (2022). An integrated approach to prioritize restoration for carnivore conservation in shared landscapes. *Biological Conservation*, 273, #109697.
- Qi, G., Pan, Z., Zhang, X., Miao, X., Xiang, W., & Gao, B. (2022). Effect of ball milling with hydrogen peroxide or ammonia hydroxide on sorption performance of volatile organic compounds by biochar from different pyrolysis temperatures. *Chemical Engineering Journal*, 450, #138027.
- Qin, C., Wright, A. L., Ma, L., He, X., Xie, D., & Jiang, X. (2022). Improving nitrogen-use efficiency by using ridge tillage in rice paddy soils. *Soil Use and Management*, 38(1), 528-536.
- Qiu, Y., Fall, T., Su, Z., Bortolozzo, F., Mussoline, W., England, G., Dinkins, D., Morgan, K., Clark, M., & Liu, G. (2022). Effect of phosphorus fertilization on yield of chipping potato grown on high legacy phosphorus soil. *Agronomy*, 12(4), #812.
- Qu, S., Yuan, Y., Yang, X., Xu, H., Mohamed, A. K., Zhang, J., Zhao, C., Liu, L., Wang, B., Wang, X., Rinklebe, J., Li, Y. C., & Wang, S. (2022). Carbon defects in biochar facilitated nitrogen doping: The significant role of pyridinic nitrogen in peroxymonosulfate activation and ciprofloxacin degradation. *Chemical Engineering Journal*, 441, #135864.
- Qualls, W. A., Moser, B. A., Pereira, R. M., de Xue, R., & Koehler, A. P. G. (2022). Impacts of barrier insecticide mixtures on mosquito, *Aedes aegypti* and non-target honey bee, *Apis mellifera*. *Journal Of The Florida Mosquito Control Association*, 69(1), 34-42.
- Quesenberry, K. H., Rios, E. F., Kenworthy, K. E., Blount, A. R., & Reith, P. E. (2022). Breeding forages with climate resiliency in temperate/tropical transition zones. *Grass and Forage Science*, 77(2), 124-130.
- Quirino, D. F., Marcondes, M. I., Rennó, L. N., Correa, P. V. F., Morais, V. C. L., Cunha, C. S., Silva, T. D. A., da Silva, A. L., Miller-Cushon, E., & Rotta, P. P. (2022). Intake, performance, and feeding behavior of Holstein and Holstein × Gyr heifers grazing intensively managed tropical grasses during the rainy season. *Animal*, 16(9), #100613.
- Rabelo, M. M., Santos, I. B., & Paula-Moraes, S. V. (2022). *Spodoptera exigua* (Hubner) (Lepidoptera: Noctuidae) fitness and resistance stability to diamide and pyrethroid insecticides in the in the United States. *Insects*, 13(4), #365.

- Radovanovic, J., & Bean, E. (2022). Runoff quantity and quality from amended urban residential lawns. *Journal of Sustainable Water in the Built Environment*, 8(4), #04022010.
- Radunovich, H. L., Younker, T., Rung, J. M., & Berry, M. S. (2022). The effects of the opioid crisis on agricultural industries. *International Journal of Environmental Research and Public Health*, 19(9), #5343.
- Rafter, M. A., Moore, K., & Minter, C. (2021). No-choice risk assessment of *Gratiana boliviana*, a potential biological control agent of *Solanum viarum* in Australia. *Biocontrol Science and Technology*, 31(12), 1267-1282.
- Rai, T., Kumar, S., Nleya, T., & Hoogenboom, G. (2022). Simulating the impact of crop–livestock interaction on crop performance using DSSAT. *Agrosystems, Geosciences and Environment*, 5(4), #e20303.
- Rai, T., Kumar, S., Nleya, T., Sexton, P., & Hoogenboom, G. (2022). Simulation of maize and soybean yield using DSSAT under long-term conventional and no-till systems. *Soil Research*, 60(6), 520-533.
- Rakotoarivonona, H. T., Rakotonarivo, F., Randrianariveloseheno, J. A., Sahobiharinjaka, F., Lheriteau, F., Ferreira, M. A., Schroth, W., Dubeux, J. C. B., & Salgado, P. (2022). Replacement of hay by red cactus in goat diets affects feed intake, digestibility, growth, and gastrointestinal morphology. *Acta Horticulturae*, 1343, 55-65.
- Raman, S. R., Liu, C. S. P., Herremans, K. M., Riner, A. N., Vudatha, V., Freudenberger, D. C., McKinley, K. L., Triplett, E. W., & Trevino, J. G. (2022). From mouth to muscle: Exploring the potential relationship between the oral microbiome and cancer-related cachexia. *Microorganisms*, 10(11), #2291.
- Ramírez-Sánchez, M., Huber, D. J., & Vallejos, C. E. (2022). Abiotic stress triggers ROS-mediated programmed cell death in banana (*Musa* sp., AAA group, Cavendish subgroup) fruit. *Scientia Horticulturae*, 293, #110748.
- Rangel Pinagé, E., M. Bell, D., Longo, M., Gao, S., Keller, M., Silva, C. A., Ometto, J. P., Köhler, P., Frankenberg, C., & Huete, A. (2022). Forest structure and solar-induced fluorescence across intact and degraded forests in the Amazon. *Remote Sensing of Environment*, 274, #112998.
- Rashid, I., Campos, M., Collier, T., Crepeau, M., Weakley, A., Gripkey, H., Lee, Y., Schmidt, H., & Lanzaro, G. C. (2022). Spontaneous mutation rate estimates for the principal malaria vectors *Anopheles coluzzii* and *Anopheles stephensi*. *Scientific Reports*, 12(1), #226.
- Rashidi, M., & Killiny, N. (2022). In silico characterization and gene expression analysis of toll signaling pathway-related genes in *Diaphorina citri*. *Insects*, 13(9), #783.

- Rashidi, M., Lin, C. Y., Britt, K., Batuman, O., Al Rwahnih, M., Achor, D., & Levy, A. (2022). *Diaphorina citri* flavivirus-like virus localization, transmission, and association with *Candidatus Liberibacter asiaticus* in its psyllid host. *Virology*, *567*, 47-56.
- Raturi, A., Thompson, J. J., Ackroyd, V., Chase, C. A., Davis, B. W., Myers, R., Poncet, A., Ramos-Giraldo, P., Reberg-Horton, C., Rejesus, R., Robertson, A., Ruark, M. D., Seehaver-Eagen, S., & Mirsky, S. (2022). Cultivating trust in technology-mediated sustainable agricultural research. *Agronomy Journal*, *114*(5), 2669-2680.
- Ravanfar, S. A., Achor, D. S., Killiny, N., Shilts, T., Chen, Y., El-Mohtar, C., Stelinski, L. L., Bonning, B. C., & Orbović, V. (2022). Genetic modification of *Bergera koenigii* for expression of the bacterial pesticidal protein Cry1Ba1. *Frontiers in Plant Science*, *13*, #899624.
- Ravelo, A. D., Calvo Agostinho, B., Arce-Cordero, J., Monterio, H. F., Bennet, S. L., Sarmikasoglou, E., Vinyard, J., Vieira, E. R. Q., Lobo, R. R., Ferraretto, L. F., Vyas, D., & Faciola, A. (2022). Effects of partially replacing dietary corn with molasses, condensed whey permeate, or treated condensed whey permeate on ruminal microbial fermentation. *Journal of Dairy Science*, *105*(3), 2215-2227.
- Ravelo, A. D., Vyas, D., Ferraretto, L. F., & Faciola, A. (2022). Effects of sucrose and lactose as partial replacement to corn in lactating dairy cow diets: A review. *Translational Animal Science*, *6*(2), #txac044.
- Razzak, M. A., Seal, D. R., Schaffer, B., Liburd, O. E., & Colee, J. (2022). Within-plant distributions and density of *Amblyseius swirskii* (Acari: Phytoseiidae) as influenced by interactions between plastic mulch and vegetable crop species. *Environmental Entomology*, *51*(1), 22-31.
- Reaver, N. G. F., Kaplan, D. A., Klammler, H., & Jawitz, J. W. (2022). Theoretical and empirical evidence against the Budyko catchment trajectory conjecture. *Hydrology and Earth System Sciences*, *26*(5), 1507-1525.
- Rebello, C. S., Baggio, J. S., Forcelini, B. B., & Peres, N. A. (2022). Sensitivity of *Colletotrichum acutatum* species complex from strawberry to fungicide alternatives to quinone-oxidase inhibitors. *Plant Disease*, *106*(8), 2053-2059.
- Reeves, L. E., & Burkett-Cadena, N. D. (2022). Lizards are important hosts for zoonotic flavivirus vectors, subgenus *Culex*, in the southern USA. *Frontiers in Tropical Diseases*, *3*, #842523.
- Regmi, H., Vallad, G. E., Hutton, S. F., & Desaegeer, J. (2022). Interaction studies between *Meloidogyne javanica* and *Fusarium oxysporum* f. sp. *lycopersici* (Fol) race 3 on different isolines of tomato cv. Tasti Lee. *Journal of Nematology*, *54*(1), #20220018.
- Reinke, B. A., Cayuela, H., Janzen, F. J., Lemaître, J.-F., Gaillard, J.-M., Lawing, A. M., Iverson, J. B., (+ 106 authors including Briggs-Gonzalez, V., Mazzotti, F.), & Miller, D.

- A. W. (2022). Diverse aging rates in ectothermic tetrapods provide insights for the evolution of aging and longevity. *Science*, 376(6600), 1459-1466.
- Remer, V., Bozlak, E., Felkel, S., Radovic, L., Rigler, D., Grilz-Seiger, G., Stefaniuk-Szmukier, M., (+ 18 authors including Brooks, S.), & Wallner, B. (2022). Y-chromosomal insights into breeding history and sire line genealogies of Arabian horses. *Genes*, 13(2), #229.
- Renjana, E., Astuti, I. P., Munawaroh, E., Mursidawati, S., Witono, J. R., Yuzammi, Fijridiyanto, I. A., Raharjo, P. D., Solihah, S. M., Robiansyah, I., Cropper, W. P., & Yudaputra, A. (2022). Assessing potential habitat suitability of parasitic plant: A case study of *Rafflesia arnoldii* and its host plants. *Global Ecology and Conservation*, 34, #e02063.
- Rens, L. R., Zotarelli, L., Ribeiro da Silva, A. L. B., Ferreira, C. J. B., Tormena, C. A., Rowland, D. L., & Morgan, K. T. (2022). Managing water table depth thresholds for potato subirrigation. *Agricultural Water Management*, 259, #107236.
- Retana-Cordero, M., Flores, S., Freyre, R., & Gómez, C. (2022). Strategies to reduce radiation stress in open-field ginger and turmeric production. *Agronomy*, 12(8), #1910.
- Retana-Cordero, M., Flores, S. J., Fisher, P. R., Freyre, R., & Gómez, C. (2022). Effect of container volume and planting density on ginger and turmeric growth and yield. *HortTechnology*, 32(5), 425-434.
- Retana-Cordero, M., Humphrey, S., & Gomez, C. (2022). Effect of radiation quality and relative humidity on intumescence injury and growth of tomato seedlings. *HortScience*, 57(10), 1257-1266.
- Revynthi, A. M., Cruz, L. F., Canon, M. A., Crane, J. H., Kendra, P. E., Mannion, C., & Carrillo, D. (2022). Evaluation of abamectin as a potential chemical control for the lychee erinose mite (Acari: Eriophyidae), a new invasive pest in Florida. *Florida Entomologist*, 105(1), 1-5.
- Revynthi, A. M., Hernandez, Y. V., Canon, M. A., Greene, A. D., Vargas, G., Kendra, P. E., & Mannion, C. M. (2022). Biology of *Anthonomus testaceosquamosus* Linell, 1897 (Coleoptera: Curculionidae): A new pest of tropical hibiscus. *Insects*, 13(1), #13.
- Revynthi, A. M., Verkleij, D., Janssen, A., & Egas, M. (2022). Artificial selection for timing of dispersal in predatory mites yields lines that differ in prey exploitation strategies. *Ecology and Evolution*, 12(3), #e8760.
- Reyes, F. S., Gimenez, A. R., Anderson, K. M., Miller-Cushon, E. K., Dorea, J. R., & Van Os, J. M. C. (2022). Impact of stationary brush quantity on brush use in group-housed dairy heifers. *Animals*, 12(8), #972.
- Reynolds, N. K., Jusino, M. A., Stajich, J. E., & Smith, M. E. (2022). Understudied, underrepresented, and unknown: Methodological biases that limit detection of early diverging fungi from environmental samples. *Molecular Ecology Resources*, 22(3), 1065-1085.

- Ribeiro, P. G., Aragão, O. O. D. S., Martins, G. C., Rodrigues, M., Souza, J. M. P., Moreira, F. M. D. S., Li, Y. C., & Guilherme, L. R. G. (2022). Hydrothermally-altered feldspar reduces metal toxicity and promotes plant growth in highly metal-contaminated soils. *Chemosphere*, 286, #131768.
- Ribeiro, P. G., Martins, G. C., Zhu, X., Li, Y. C., & Guilherme, L. R. G. (2022). Combined effects of hydrothermally-altered feldspar and water regime on cadmium minimization in rice. *Environmental Research*, 215, #114259.
- Rice, C. R., McDonald, S. T., Shi, Y., Gan, H., Lee, W. S., Chen, Y., & Wang, Z. (2022). Perception, path planning, and flight control for a drone-enabled autonomous pollination system. *Robotics*, 11(6), #144.
- Richardson, E. A., Taylor, C. E., Jabot, B., Martin, E., & Keiser, C. N. (2022). The effects of habitat type and pathogen infection on tick host-seeking behaviour. *Parasitology*, 149(1), 59-64.
- Richardson, K. E., Roche, D. P., Mugel, S. G., Lancaster, N. D., Sieving, K. E., Freeberg, T. M., & Lucas, J. R. (2022). Social dynamics of core members in mixed-species bird flocks change across a gradient of foraging habitat quality. *PLOS ONE*, 17(2), #e0262385.
- Rieke, E. L., Bagnall, D. K., Morgan, C. L. S., Flynn, K. D., Howe, J. A., Greub, K. L. H., Mac Bean, G., (+ 102 authors including Sidhu, S. S., Wright, D. L.), & Honeycutt, C. W. (2022). Evaluation of aggregate stability methods for soil health. *Geoderma*, 428, #116156.
- Rieke, E. L., Cappellazzi, S. B., Cope, M., Liptzin, D., Mac Bean, G., Greub, K. L. H., Norris, C. E., (+ 99 authors including Sidhu, S. S., Wright, D. L.), & Honeycutt, C. W. (2022). Linking soil microbial community structure to potential carbon mineralization: A continental scale assessment of reduced tillage. *Soil Biology and Biochemistry*, 168, #108618.
- Rihn, A. L., Knuth, M. J., Peterson, B. J., Torres, A. P., Campbell, J. H., Boyer, C. R., Palma, M. A., & Khachatryan, H. (2022). Investigating drivers of native plant production in the United States Green industry. *Sustainability*, 14(11), #6774.
- Riles, M. T., Martin, D., Mulla, C., Summers, E., Duke, L., Clauson, J., Campbell, L. P., & Giordano, B. V. (2022). West Nile virus surveillance in sentinel chickens and mosquitoes in Panama City Beach, Florida, from 2014 to 2020. *Journal of the American Mosquito Control Association*, 38(3), 148-158.
- Riley, M. K., & Vermerris, W. (2022). Delivery of DNA human cells by functionalized lignin nanoparticles. *Materials*, 15(1), #303.
- Rivera, R. M., Goldkamp, A. K., Patel, B. N., Hagen, D. E., Soto-Moreno, E. J., Li, Y., Kim, C. N., Miller, C., Williams, F., Jannaman, E., Xiao, Y., Tribulo, P., Estrada-Cortés, E., Brau-Rodríguez, A. R., Hansen, P. J., Wu, Z., Spinka, C. M., Martin, N., & Elsik, C. G. (2022). Identification of large offspring syndrome during pregnancy through



- ultrasonography and maternal blood transcriptome analyses. *Scientific Reports*, 12(1), #10540.
- Roberts, C. E., Burgess Iv, E. R., Miller, T. M., Wise, A. M., Dickerson, C. J., Skvarla, M. J., Li, A. Y., & Machtinger, E. T. (2022). Tissue-damaging marking methods do not affect tick burdens on field captured *Peromyscus* spp. *Wildlife Society Bulletin*, 46(5), #e1385.
- Rocha, C. C., Martins, T., Mello, B. P., Dalmaso de Mello, G., Motta, I. G., Lemes, K. M., Binelli, M., Madureira, E. H., & Pugliesi, G. (2022). Comparing the effect of estradiol benzoate and 17 $\beta$ -estradiol plus progesterone on follicular turnover and development, and pregnancy outcomes in a timed artificial insemination protocol. *Theriogenology*, 192, 73-80.
- Rocha, C. C., Silva, F. A. C., Martins, T., Marrero, M. G., Bromfield, J. J., Driver, J., Hansen, T., Oliveira, L., & Binelli, M. (2022). Culture of endometrial epithelial cells collected by a cytological brush in vivo. *JDS Communications*, 3(3), 217-221.
- Rockwood, D. L., Huber, D. A., Crawford, M. A., Rucks, P. C., Lamb, E., Fabbro, K. W., Minogue, P. J., Jump, R., & Hodge, G. R. (2022). *Eucalyptus amplifolia* and *Corymbia torelliana* in the southeastern USA: Genetic improvement and potential uses. *Forests*, 13(1), #75.
- Rodofili, E. N., Lecours, V., & LaRue, M. (2022). Remote sensing techniques for automated marine mammals detection: A review of methods and current challenges. *PeerJ*, 10, #e13540.
- Rodrigues Nogueira, T. A., Muraoka, T., Silveira, L. K., Santos da Silva, J., Abreu-Junior, C. H., Lavres, J., Martinelli, A. P., Carvalho Minhoto Teixeira Filho, M., He, Z., Dilipkumar Jani, A., Ganga, A., & Capra, G. F. (2022). Comparing soil-to-plant cadmium (Cd) transfer and potential human intake among rice cultivars with different Cd tolerance levels grown in a tropical contaminated soil. *Environmental Monitoring and Assessment*, 194(1), #20.
- Rodrigues Prates, A., Cossi Kawakami, K., Coscione, A. R., Carvalho Minhoto Teixeira Filho, M., Arf, O., Abreu-Junior, C. H., Carvalho Oliveira, F., Moreira, A., Galindo, F. S., He, Z., Jani, A. D., Capra, G. F., Ganga, A., & Assis Rodrigues Nogueira, T. (2022). Composted sewage sludge sustains high maize productivity on an infertile oxisol in the Brazilian Cerrado. *Land*, 11(8), #1246.
- Rodrigues, T. C. S., Viadanna, P. H. O., Subramaniam, K., Hawkins, I. K., Jeon, A. B., Loeb, J. C., Krauer, J. M. C., Lednický, J. A., Wisely, S. M., & Waltzek, T. B. (2022). Characterization of a novel reassortant epizootic hemorrhagic disease virus serotype 6 strain isolated from diseased white-tailed deer (*Odocoileus virginianus*) on a Florida farm. *Viruses*, 14(5), #1012.
- Rodriguez, A. F., Tootoonchi, M., & Daroub, S. H. (2022). Changes in nitrogen and phosphorus within a decade in waters along a major canal and estuary in South Florida. *Journal of Environmental Quality*, 51(5), 826-836.

- Rodriguez, E. J., Steck, G. J., Moore, M. R., Norrbom, A. L., Diaz, J., Somma, L. A., Ruiz-Arce, R., Sutton, B. D., Nolazco, N., Muller, A., & Branham, M. A. (2022). Exceptional larval morphology of nine species of the *Anastrepha mucronota* species group (Diptera, Tephritidae). *ZooKeys*, *1127*(1-2), 155-215.
- Rodriguez, R., Leary, J. J. K., & Jenkins, D. M. (2022). Herbicide ballistic technology for unmanned aircraft systems. *Robotics*, *11*(1), #22.
- Rodriguez-Cordero, A. L., Balaguera-Reina, S. A., Morales-Franco, J. C., Munn, M., & Densmore Iii, L. D. (2022). Predicting habitat suitability of *Caiman yacare* and assessing the role of protected areas under current and future climate and deforestation models. *Climate Risk Management*, *35*, #100407.
- Rodrigues, A. R., Myers, A. J., Scharf, M. E., Aryal, U. K., Bennett, G. W., & Gondhalekar, A. D. (2022). Expression profiles of an inactive aspartic protease (Bla g 2 allergen) in different tissues and developmental stages of the German cockroach (*Blattella germanica*). *Archives of Insect Biochemistry and Physiology*, *111*(2), #e21918.
- Rohal, C. B., Adams, C. R., Martin, C. W., Tevlin, S., & Reynolds, L. K. (2022). Intraspecific variation in *Potamogeton illinoensis* life history and seed germination has implications for restoration in eutrophic lakes. *Hydrobiologia*, *849*(16), 3481-3500.
- Roll, K. H., Asche, F., & Bjørndal, T. (2022). The effect of introducing fuel tax to the Norwegian fishery industry. *Marine Policy*, *135*, #104829.
- Romero, P., Ibarra-Juárez, L. A., Carrillo, D., Guerrero-Analco, J. A., Kendra, P. E., Kiel-Martínez, A. L., & Guillén, L. (2022). Electroantennographic responses of wild and laboratory-reared females of *Xyleborus affinis* Eichhoff and *Xyleborus ferrugineus* (Fabricius) (Coleoptera: Curculionidae: Scolytinae) to ethanol and bark volatiles of three host-plant species. *Insects*, *13*(7), #655.
- Rotundo, J. L., Rech, R., Cardoso, M. M., Fang, Y., Tang, T., Olson, N., Pyrik, B., Conrad, G., Borrás, L., Mihura, E., & Messina, C. D. (2022). Development of a decision-making application for optimum soybean and maize fertilization strategies in Mato Grosso. *Computers and Electronics in Agriculture*, *193*, #106659.
- Rozwalak, P., Podkova, P., Buda, J., Niedzielski, P., Kawecki, S., Ambrosini, R., Azzoni, R. S., (+ 25 authors including Porazinska, D. L.), & Zawierucha, K. (2022). Cryoconite – From minerals and organic matter to bioengineered sediments on glacier's surfaces. *Science of the Total Environment*, *807*, #150874.
- Rubio, J. A., Fdez-Guelfo, L. A., Romero-Garcia, L. I., Wilkie, A. C., & Garcia-Morales, J. L. (2022). Co-digestion of two-phase olive-mill waste and cattle manure: Influence of solids content on process performance. *Fuel*, *322*, #124187.
- Rubio, J. A., Fdez-Guelfo, L. A., Romero-Garcia, L. I., Wilkie, A. C., & Garcia-Morales, J. L. (2022). Mesophilic anaerobic co-digestion of two-phase olive-mill waste and cattle manure: Optimization of semi-continuous process. *Fuel*, *328*, #125354.

- Rubio, J. A., Fdez-Guelfo, L. A., Romero-Garcia, L. I., Wilkie, A. C., & Garcia-Morales, J. L. (2022). Start-up of the mesophilic anaerobic co-digestion of two-phase olive-mill waste and cattle manure using volatile fatty acids as process control parameter. *Fuel*, 325, #124901.
- Russell, A. E., Aide, T. M., Braker, E., Bruna, E. M., Ganong, C. N., Hardin, R. D., Holl, K. D., Hotchkiss, S. C., Klemens, J. A., Kuprewicz, E. K., McClearn, D., Middendorf, G., Ostertag, R., Powers, J. S., Russo, S. E., Stynoski, J. L., Valdez, U., & Willis, C. G. (2022). Integrating tropical research into biology education is urgently needed. *PLOS Biology*, 20(6), #e3001674.
- Saha Turna, N., Havelaar, A., Adesogan, A., & Wu, F. (2022). Aflatoxin M1 in milk does not contribute substantially to global liver cancer incidence. *American Journal of Clinical Nutrition*, 115(6), 1473-1480.
- Sahito, Z. A., Zehra, A., Chen, S., Yu, S., Tang, L., Ali, Z., Hamza, S., Irfan, M., Abbas, T., He, Z., & Yang, X. (2022). *Rhizobium rhizogenes*-mediated root proliferation in Cd/Zn hyperaccumulator *Sedum alfredii* and its effects on plant growth promotion, root exudates and metal uptake efficiency. *Journal of Hazardous Materials*, 424, #127442.
- Salazar, G., Monroe, M. C., Ennes, M., Jones, J. A., & Veríssimo, D. (2022). Testing the influence of visual framing on engagement and pro-environmental action. *Conservation Science and Practice*, 4(10), #e12812.
- Salazar, G., Rainer, K. C., Watkins, L. A., Monroe, M. C., & Hundemer, S. (2022). 2020 to 2040: Visions for the future of environmental education. *Applied Environmental Education & Communication*, 21(2), 182-203.
- Salazar, G., Ramakrishna, I., Satheesh, N., Mills, M., Monroe, M. C., & Karanth, K. K. (2022). The challenge of measuring children's attitudes toward wildlife in rural India. *International Research in Geographical and Environmental Education*, 31(2), 89-105.
- Salisbury, A., Miesbauer, J., & Koeser, A. (2022). Long-term growth of highway rights-of-way trees. *Arboriculture & Urban Forestry*, 48, 293-307.
- Salisbury, A. B., Koeser, A. K., Hauer, R. J., Hilbert, D. R., Abd-Elrahman, A. H., Andreu, M. G., Britt, K., Landry, S. M., Lusk, M. G., Miesbauer, J. W., & Thorn, H. (2022). The legacy of hurricanes, historic land cover, and municipal ordinances on urban tree canopy in Florida (United States). *Frontiers in Forests and Global Change*, 5, #742157.
- Salisbury, A. B., Miesbauer, J. W., & Koeser, A. K. (2022). Long-term tree survival and diversity of highway tree planting projects. *Urban Forestry and Urban Greening*, 73, #127574.
- Sanchez, F., Bassil, E., Crane, J. H., Shahid, M. A., Vincent, C. I., & Schaffer, B. (2022). Spectral light distribution affects photosynthesis, leaf reflective indices, antioxidant activity and growth of *Vanilla planifolia*. *Plant Physiology and Biochemistry*, 182, 145-153.

- Sanchez, J. M. D., Vendramini, J. M. B., Silveira, M. L., Kohmann, M. M., Silva, H. M. S., Moriel, P., Henry, D. D., & Henry, F. (2022). Ruminal digestibility and in-vitro methane emissions of native plant species in subtropical rangelands. *Rangeland Ecology and Management*, 82, 42-50.
- Sanchez-Arroyo, H., Aryaprema, V. S., Moser, B. A., Pereira, R. M., Koehler, P. G., & de Xue, R. (2022). Semi-field evaluation of ultra-low volume (ULV) ground spray of Aqualuer® 20-20 against caged *Aedes albopictus*, and non-target honey bee, *Apis mellifera*. *Journal of the Florida Mosquito Association*, 69(1), 29-33.
- Sanchez-Arroyo, H., Jiang, Y. X., Pereira, R. M., Koehler, P. G., & de Xue, R. (2022). Residual effects of bifenthrin sprayed on plant foliages against *Aedes albopictus* and *Apis mellifera* in North Central Florida. *Journal of the Florida Mosquito Association*, 69(1), 74-78.
- Sandhu, H. S., Zhao, D., Davidson, R. W., Gordon, V. S., Islam, M. S., McCord, P. H., Sood, S., Baltazar, M., Arbelo, O. C., & Momotaz, A. (2022). Registration of 'CP 12-1417' sugarcane for organic soils in Florida. *Journal of Plant Registrations*, 16(1), 64-72.
- Sandhu, R. K., Reuss, L. E., & Boyd, N. S. (2022). Evaluation of sulfentrazone alone or in combination with other pre and post herbicides for weed control in tomato (*Solanum lycopersicum*) and strawberry (*Fragaria × ananassa*). *HortScience*, 57(2), 215-220.
- Sandhu, S. S., Chiluwal, A., Brym, Z. T., Ireby, M., McCray, J. M., Odero, D. C., Daroub, S. H., & Sandhu, H. S. (2022). Evaluating growth, biomass and cannabinoid profiles of floral hemp varieties under different planting dates in organic soils of Florida. *Agronomy*, 12(11), #2845.
- Sandoya, G. V., Rosenthal, E., Simko, I., Rodrigues-Porto, L. N., Wadlington, W. H., Bull, C. T., & Carroll, A. (2022). Lettuce (*Lactuca sativa* L.) germplasm resistant to bacterial leaf spot caused by race 1 of *Xanthomonas hortorum* pv. *vitians* (Brown 1918) Morinière et al. 2020. *Journal of Plant Pathology*, 104(3), 993-1008.
- Santelices, J., Ou, M., Hui, W. W., Maegawa, G. H. B., & Edelmann, M. J. (2022). Fluorescent labeling of small extracellular vesicles (EVs) isolated from conditioned media. *Bio-protocol*, 12(12), #e4447.
- Santos, C. S., Dalmolin, A. C., Schilling, A. C., Santos, M. S., Schaffer, B., & Mielke, M. S. (2022). Root deformation affects mineral nutrition but not leaf gas exchange and growth of *Genipa americana* seedlings during the recovery phase after soil flooding. *Brazilian Journal of Biology*, 82, #e234018.
- Santos, E. R. D. S., Dubeux, J. C. B., Jaramillo, D. M., Garcia, L., Vendramini, J., DiLorenzo, N., Dantas Queiroz, L. M., Pereira-Neto, J. D., Sousa de Abreu, D., & Ruiz-Moreno, M. (2022). Herbage accumulation and nutritive value of stockpiled limpgrass and 'Tifton 85' bermudagrass. *Crop, Forage and Turfgrass Management*, 8(1), #e20140.
- Santos, E. R. D. S., Dubeux, J. C. B., Queiroz, L. M. D., Jaramillo, D. M., Garcia, L., van Cleef, F. D. O. S., de Abreu, D. S., & Ruiz-Moreno, M. (2022). Seeding rate affects the

- performance of oat and black oat. *Crop, Forage and Turfgrass Management*, 8(2), #e20192.
- Santos, E. R. S., Dubeux, J. C. B., Sollenberger, L. E., Mackowiak, C. L., Wright, D. L., Dilorenzo, N., Siqueira, M. C. B., Garcia, C. C. V., D. Queiroz, L. M., van Cleef, F. O. S., Garcia, L., Jaramillo, D. M., & Ruiz-Moreno, M. (2022). Grazing management effects on cover crop responses and cotton lint yield. *Crop Science*, 62(6), 2523-2536.
- Santos, E. R. S., Dubeux, J. C. B., Sollenberger, L. E., Siqueira, M. C. B., van Cleef, F. O. S., Jaramillo, D. M., Zagato, L. Q. S. D., Queiroz, L. M. D., Garcia, L., Garcia, C. C. V., & Ruiz-Moreno, M. (2022). Composition and decomposition of rhizoma peanut (*Arachis glabrata* Benth.) belowground biomass. *Scientific Reports*, 12(1), #9967.
- Santos, M. D. L., Resende, M. L. V. D., Alves, G. S. C., Huguet-Tapia, J. C., Resende, M. F. R. D. J., & Brawner, J. T. (2022). Genome-wide identification, characterization, and comparative analysis of NLR resistance genes in *Coffea* spp. *Frontiers in Plant Science*, 13, #868581.
- Sapkota, R., & Scharf, M. E. (2022). Intercolony comparisons of gut microbiome composition from lab reared Eastern subterranean termites (Blattodea: Rhinotermitidae). *Journal of Insect Science*, 22(2), #9.
- Sapp, A. C., Amaya, M. P., Havelaar, A. H., & Nane, G. F. (2022). Attribution of country level foodborne disease to food group and food types in three African countries: Conclusions from a structured expert judgment study. *PLOS Neglected Tropical Diseases*, 16(9), #e0010663.
- Saraiva, F. M., Dubeux, J. C. B., Cunha, M. V. D., Menezes, R. S. C., dos Santos, M. V. F., Camelo, D., & Ferraz, I. (2022). Performance of forage cactus intercropped with arboreal legumes and fertilized with different manure sources. *Agronomy*, 12(8), #1887.
- Sarmikasoglou, E., & Faciola, A. P. (2022). Ruminant bacteria lipopolysaccharides: An immunological and microbial outlook. *Journal of Animal Science and Biotechnology*, 13(1), #41.
- Sarmikasoglou, E., Ferrell, J., Vinyard, J. R., Flythe, M. D., Tuanyok, A., & Faciola, A. P. (2022). Effects of ruminal lipopolysaccharides on growth and fermentation end products of pure cultured bacteria. *Scientific Reports*, 12(1), #15932.
- Sarto, M. V. M., Borges, W. L. B., Bassegio, D., Nunes, M. R., Rice, C. W., & Rosolem, C. A. (2022). Deep soil water content and forage production in a tropical agroforestry system. *Agriculture*, 12(3), #359.
- Satti, S. H., Raja, N. I., Ikram, M., Oraby, H. F., Mashwani, Z. U. R., Mohamed, A. H., Singh, A., & Omar, A. A. (2022). Plant-based titanium dioxide nanoparticles trigger biochemical and proteome modifications in *Triticum aestivum* L. under biotic stress of *Puccinia striiformis*. *Molecules*, 27(13), #4274.

- Scarton, L., Jo, A., Xie, Z., O'Neal, L. J., Munoz Pena, J. M., George, T. J., & Bian, J. (2022). Examining the relationship between metformin dose and cancer survival: A SEER-Medicare analysis. *PLOS ONE*, *17*(10), #e0275681.
- Schafer, T., Dix, N., Dunnigan, S., Reddy, K. R., & Osborne, T. Z. (2022). Impacts of hurricanes on nutrient export and ecosystem metabolism in a blackwater river estuary complex. *Journal of Marine Science and Engineering*, *10*(5), #661.
- Scharf, M. E., Wolfe, Z. M., Raje, K. R., Fardisi, M., Thimmapuram, J., Bhide, K., & Gondhalekar, A. D. (2022). Transcriptome responses to defined insecticide selection pressures in the German cockroach (*Blattella germanica* L.). *Frontiers in Physiology*, *12*, #816675.
- Scheffler, T. L. (2022). Connecting heat tolerance and tenderness in bos indicus influenced cattle. *Animals*, *12*(3), #220.
- Scheffrahn, R. H. (2022). *Amitermes californicus* Banks, 1920 (Isoptera, Termitidae, Termitinae) resurrected after ninety years of synonymy and *A. floridensis* Scheffrahn, 1989 synonymized into *A. wheeleri* (Desneux, 1906). *Zootaxa*, *5128*(4), 581-588.
- Scheffrahn, R. H. (2022). *Caetetermes fontesi*, a new nasutiform termite (Isoptera: Termitidae: Nasutitermitinae) from French Guiana. *Zootaxa*, *5219*(6), 593-600.
- Schiavon, M., Petelewicz, P., Orlinski, P. M., & Baird, J. H. (2022). Effects of fungicides on creeping bentgrass health and rooting characteristics under abiotic stress. *International Turfgrass Society Research Journal*, *14*(1), 893-901.
- Schirck-Matthews, A., Hochmair, H. H., Paulus, G., & Strelnikova, D. (2022). Comparison of cycling path characteristics in South Florida and North Holland among three GPS fitness tracker apps. *International Journal of Sustainable Transportation*, *16*(9), 804-819.
- Schmidbaur, H., Kawaguchi, A., Clarence, T., Fu, X., Hoang, O. P., Zimmermann, B., Ritschard, E. A., Weissenbacher, A., Foster, J. S., Nyholm, S. V., Bates, P. A., Albertin, C. B., Tanaka, E., & Simakov, O. (2022). Emergence of novel cephalopod gene regulation and expression through large-scale genome reorganization. *Nature Communications*, *13*(1), #2172.
- Schmidt, S. K., Johnson, B. W., Solon, A. J., Sommers, P., Darcy, J. L., Vincent, K., Vimercati, L., Fountain, A. G., & Porazinska, D. L. (2022). Microbial biogeochemistry and phosphorus limitation in cryoconite holes on glaciers across the Taylor Valley, McMurdo Dry Valleys, Antarctica. *Biogeochemistry*, *158*(3), 313-326.
- Schmitz, A., & Nguyen, L. (2022). Seafood supply and demand disruptions: The Covid-19 pandemic and shrimp. *Aquaculture Economics & Management*, *26*(4), 359-383.
- Schoeller, E. N., McKenzie, C. L., & Osborne, L. S. (2022). Chilli thrips rose management using an *Amblyseius swirskii* or *Amblydromalus limonicus* (Acari: Phytoseiidae) pepper banker plant. *Journal of Applied Entomology*, *146*(10), 1281-1292.

- Schoeller, E. N., McKenzie, C. L., & Osborne, L. S. (2022). Control of *Echinothrips americanus* on lima bean by *Frankliniopsis vespiformis* crawford using supplemental food. *Biocontrol*, 67(5), 485-495.
- Schroder, W., Murtha, T., Broadbent, E. N., & Almeyda Zambrano, A. M. (2021). A confluence of communities: Households and land use at the junction of the Upper Usumacinta and Lacantún Rivers, Chiapas, Mexico. *World Archaeology*, 53(4), 688-715.
- Schuenger, A. C. (2022). Microbial protocols for spacecraft: 1. Effects of surface texture, low pressure, and UV irradiation on recovery of microorganisms from surfaces. *Astrobiology*, 22(9), 1061-1071.
- Schumacher, L. A., & Grabau, Z. J. (2022). Evaluation of three common root extraction methods for *Rotylenchulus reniformis* recovery from cotton roots. *Plant Health Progress*, 23(3), 288-291.
- Schumacher, L. A., Grabau, Z. J., Wright, D. L., Small, I. M., & Liao, H. L. (2022). Effects of grass-based crop rotation, nematicide, and irrigation on the nematode community in cotton. *Journal of Nematology*, 54(1), #20220046.
- Schuster, L. A., & Reisch, C. R. (2022). Plasmids for controlled and tunable high-level expression in *E. coli*. *Applied and Environmental Microbiology*, 88(22), #0093922.
- Schwan Resende, E., Beuzelin, J. M., Dunkley, V. E., Paula-Moraes, S. V., Seal, D. R., & Nuessly, G. S. (2022). Pyrethroid susceptibility in field populations of picture-winged flies (Diptera: Ulidiidae) infesting fresh market sweet corn in Florida. *Journal of Economic Entomology*, 115(5), 1685-1692.
- Scott, E. R., Uriarte, M., & Bruna, E. M. (2022). Delayed effects of climate on vital rates lead to demographic divergence in Amazonian forest fragments. *Global Change Biology*, 28(2), 463-479.
- Scroggins, R. E., Fry, J. P., Brown, M. T., Neff, R. A., Asche, F., Anderson, J. L., & Love, D. C. (2022). Renewable energy in fisheries and aquaculture: Case studies from the United States. *Journal of Cleaner Production*, 376, #134153.
- Seal, D. R. (2022). Biological insecticide for controlling diamondback moth on cabbage, 2019. *Arthropod Management Tests*, 47(1), #tsac086.
- Seal, D. R. (2022). Magister for controlling sweetpotato whitefly in tomato, 2020. *Arthropod Management Tests*, 47(1), #tsac113.
- Seal, D. R. (2022). Sivanto for controlling sweetpotato whitefly in tomato, 2020. *Arthropod Management Tests*, 47(1), #tsac089.
- Seal, D. R. (2022). Spear-C in controlling diamondback moth in cabbage, spring 2018. *Arthropod Management Tests*, 47(1), #tsac097.

- Secchi, M. A., Correndo, A. A., Stamm, M. J., Durrett, T., Prasad, P. V. V., Messina, C. D., & Ciampitti, I. A. (2022). Suitability of different environments for winter canola oil production in the United States of America. *Field Crops Research*, 287, #108658.
- Segelbacher, G., Bosse, M., Burger, P., Galbusera, P., Godoy, J. A., Helsen, P., Hvilsom, C., Iacolina, L., Kahric, A., Manfrin, C., Nonic, M., Thizy, D., Tsvetkov, I., Veličković, N., Vilà, C., Wisely, S. M., & Buzan, E. (2022). New developments in the field of genomic technologies and their relevance to conservation management. *Conservation Genetics*, 23(2), 217-242.
- Seidu, A., Onel, G., & Moss, C. B. (2022). Do international remittances accelerate out-farm labor migration in developing countries? A dynamic panel time-series analysis. *Journal of Agribusiness in Developing and Emerging Economies*, 12(1), 19-39.
- Semagn, K., Iqbal, M., Jarquin, D., Crossa, J., Howard, R., Ciechanowska, I., Henriquez, M. A., Randhawa, H., Aboukhaddour, R., McCallum, B. D., Brûlé-Babel, A. L., Navabi, A., N'diaye, A., Pozniak, C., & Spaner, D. (2022). Genomic predictions for common bunt, FHB, stripe rust, leaf rust, and leaf spotting resistance in spring wheat. *Genes*, 13(4), #565.
- Semagn, K., Iqbal, M., Jarquin, D., Randhawa, H., Aboukhaddour, R., Howard, R., Ciechanowska, I., Farzand, M., Dhariwal, R., Hiebert, C. W., N'diaye, A., Pozniak, C., & Spaner, D. (2022). Genomic prediction accuracy of stripe rust in six spring wheat populations by modeling genotype by environment interaction. *Plants*, 11(13), #1736.
- Senior, R. A., Oliveira, B. F., Dale, J., & Scheffers, B. R. (2022). Wildlife trade targets colorful birds and threatens the aesthetic value of nature. *Current Biology*, 32(19), 4299-4305.
- Serra, W., Lugo Álvarez, M. B., García Rodríguez, D., Alonso-Oliva, E., Sanz Llorente, A., Guarnaccia, V., Carstens, E., Rollins, J. A., Thijs, S., Vangronsveld, J., & Manzano León, A. M. (2022). Polyphasic identification and MAT1-2 isolates of *Phyllosticta citricarpa* in Cuba. *European Journal of Plant Pathology*, 162(4), 995-1003.
- Seybold, E. C., Fork, M. L., Braswell, A. E., Blaszcak, J. R., Fuller, M. R., Kaiser, K. E., Mallard, J. M., & Zimmer, M. A. (2022). A classification framework to assess ecological, biogeochemical, and hydrologic synchrony and asynchrony. *Ecosystems*, 25(5), 989-1005.
- Shaddox, T. W., Unruh, J. B., Johnson, M. E., Brown, C. D., & Stacey, G. (2022). Water use and management practices on U.S. golf courses. *Crop, Forage and Turfgrass Management*, 8(2), #e20182.
- Shahi, D., Guo, J., Pradhan, S., Khan, J., Avci, M., Khan, N., McBreen, J., Bai, G., Reynolds, M., Foulkes, J., & Babar, M. A. (2022). Multi-trait genomic prediction using in-season physiological parameters increases prediction accuracy of complex traits in US wheat. *BMC Genomics*, 23(1), #298.



- Shahid, M. A., & Liu, G. (2022). Application of biostimulants to improve tomato yield in Florida. *Vegetable Research*, 2, #6.
- Shahzad, F., Vashisth, T., Ritenour, M. A., & Brecht, J. K. (2022). Quest for desirable quality of Tango mandarin in the citrus greening era: The promise of integrated approaches. *LWT*, 161, #113321.
- Shalev, T. J., El-Dien, O. G., Yuen, M. M. S., Shengqiang, S., Jackman, S. D., Warren, R. L., Coombe, L., (+ 19 authors including Kirst, M.), & Bohlmann, J. (2022). The western redcedar genome reveals low genetic diversity in a self-compatible conifer. *Genome Research*, 32(10), 1952-1964.
- Shan, A., Kang, K. J., Wu, L., Lu, M., Lin, Q., Pan, M., Wang, G., He, Z., & Yang, X. (2022). Cadmium accumulation in rice straws and derived biochars as affected by metal exposure, soil types and rice genotypes. *International Journal of Phytoremediation*, 24(6), 600-609.
- Sharma, A., Abrahamian, P., Carvalho, R., Choudhary, M., Paret, M. L., Vallad, G. E., & Jones, J. B. (2022). Future of bacterial disease management in crop production. *Annual review of phytopathology*, 60, 259-282.
- Sharma, A., Ference, C. M., Shantharaj, D., Baldwin, E. A., Manthey, J. A., & Jones, J. B. (2022). Transcriptomic analysis of changes in *Citrus × microcarpa* gene expression post *Xanthomonas citri* subsp. *citri* infection. *European Journal of Plant Pathology*, 162(1), 163-181.
- Sharma, A., Minsavage, G. V., Gill, U. S., Hutton, S. F., & Jones, J. B. (2022). Identification and mapping of bs8, a novel locus conferring resistance to bacterial spot caused by *Xanthomonas gardneri*. *Phytopathology*, 112(8), 1640-1650.
- Sharma, K., Iruegas-Bocardo, F., Abdurahman, A., Alcalá-Briseño, R. I., Garrett, K. A., Goss, E. M., Ngundo, G., Kreuze, J., Atieno, E., & Munguti, F. (2022). *Ralstonia* strains from potato-growing regions of Kenya reveal two phlotypes and epidemic clonality of phlotype II sequevar 1 strains. *Phytopathology*, 112(10), 2072-2083.
- Sharma, S., Marin, M. V., Lee, M. B., Baggio, J. S., Peres, N. A., & Lee, S. (2022). Genomic approaches for improving resistance to Phytophthora crown rot caused by *P. cactorum* in strawberry (*Fragaria × ananassa*). *Frontiers in Agronomy*, 4, #941111.
- Sharma, V., & Irmak, S. (2022). Leaf and canopy stomatal resistance, aerodynamic resistance, and evapotranspiration of irrigated continuous no-till and disk-till maize. *Agronomy Journal*, 114(2), 1512-1533.
- Sharma, V., & Rai, A. (2022). Dry bean (*Phaseolus vulgaris* L.) crop water production functions and yield response factors in an arid to semi-arid climate. *Journal of the ASABE*, 65(1), 51-65.

- Shell, A. B., Sharma, A., Vogel, J. G., & Willis, J. L. (2022). Converting plantations to uneven-aged stands: Effects of harvest type, group opening size, orientation, and canopy position on residual tree development. *Trees, Forests and People*, *10*, #100342.
- Sheng, M., Rosche, C., Al-Gharaibeh, M., Bullington, L. S., Callaway, R. M., Clark, T., Cleveland, C. C., Duan, W., Flory, S. L., Khasa, D. P., Klironomos, J. N., McLeod, M., Okada, M., Pal, R. W., Shah, M. A., & Lekberg, Y. (2022). Acquisition and evolution of enhanced mutualism—An underappreciated mechanism for invasive success? *ISME Journal*, *16*(11), 2467-2478.
- Shepard, E. M., Sollenberger, L. E., Kohmann, M. M., da Silva, L. S., Harling, J. F., Dubeux, J. C. B., & Vendramini, J. M. B. (2022). Establishing rhizoma peanut–bahiagrass mixtures. *Agrosystems, Geosciences and Environment*, *5*(3), #e20285.
- Shi, W., Zhu, L., Van Dam, B., Smyth, A. R., Deng, J., Zhou, J., Pan, G., Yi, Q., Yu, J., & Qin, B. (2022). Wind induced algal migration manipulates sediment denitrification N-loss patterns in shallow Taihu Lake, China. *Water Research*, *209*, #117887.
- Shin, S., Magnan, N., Mullally, C., & Janzen, S. (2022). Demand for weather index insurance among smallholder farmers under prospect theory. *Journal of Economic Behavior & Organization*, *202*, 82-104.
- Shirley, A. M., Vallad, G. E., Dufault, N., Raid, R., & Quesada-Ocampo, L. (2022). Duration of downy mildew control achieved with fungicides on cucumber under Florida field conditions. *Plant Disease*, *106*(4), 1167-1174.
- Shopnitz, F. A., Ohs, C. L., Silvy, E. H., Broach, J. S., DiMaggio, M. A., Patterson, J. T., & Collins, A. (2022). Evaluation of anesthesia protocols for handling hogfish using tricaine methanesulfonate and AQUI-S 20E. *North American Journal of Aquaculture*, *84*(3), 304-312.
- Shrestha, B., Hoyte, A., & Stelinski, L. L. (2022). Ant-psyllid mutualism affects predation of *Diaphorina citri* by lady beetle larvae and abundance of psyllid natural enemies. *Biocontrol*, *67*(4), 407-417.
- Shrestha, S., Fu, Y., Michael, V. N., & Meru, G. (2022). Whole genome re-sequencing and bulk segregant analysis reveals chromosomal location for papaya ringspot virus W resistance in squash. *Frontiers in Plant Science*, *13*, #848631.
- Shriver, T. E., Adams, A. E., & Longest, L. (2022). “Cursed by coal”: Climate change and the battle over mining limits in the Czech Republic. *Society and Natural Resources*, *35*(2), 111-128.
- Shu, R., Uy, L., & Wong, A. C. N. (2022). Nutritional phenotype underlines the performance trade-offs of *Drosophila suzukii* on different fruit diets. *Current Research in Insect Science*, *2*, #100026.

- Shuipys, T., & Montazeri, N. (2022). Optimized protocols for the propagation and quantification of infectious murine hepatitis virus (MHV-A59) using NCTC clone 1469 and 929 cells. *Methods and Protocols*, 5(1), #5.
- Shutters, S. T., Waters, K., & Muneeppeerakul, R. (2022). Triad analysis of global energy trade networks and implications for energy trade stability. *Energies*, 15(10).
- Sicilia, A., Russo, R., Caruso, M., Arlotta, C., Di Silvestro, S., Gmitter, F. G., Gentile, A., Nicolosi, E., & Lo Piero, A. R. (2022). Transcriptome analysis of *Plenodomus tracheiphilus* infecting rough lemon (*Citrus jambhiri* Lush.) indicates a multifaceted strategy during host pathogenesis. *Biology*, 11(5), #761.
- Siddique, A., Tabb, A., & Medeiros, H. (2022). Self-supervised learning for panoptic segmentation of multiple fruit flower species. *IEEE Robotics and Automation Letters*, 7(4), 12387-12394.
- Siddiqui, Z. S., Wei, X., Umar, M., Abideen, Z., Zulfiqar, F., Chen, J., Hanif, A., Dawar, S., Dias, D. A., & Yasmeen, R. (2022). Scrutinizing the application of saline endophyte to enhance salt tolerance in rice and maize plants. *Frontiers in Plant Science*, 12, #770084.
- Siders, Z. A., Trotta, L. B., Caltabellotta, F. P., Loesser, K. B., Baiser, B., & Ahrens, R. N. M. (2022). Functional and phylogenetic diversity of sharks in the northeastern Pacific. *Journal of Biogeography*, 49(7), 1313-1326.
- Siders, Z. A., Westgate, A. J., Bell, K. R., & Koopman, H. N. (2022). Highly variable basking shark (*Cetorhinus maximus*) diving behavior in the lower Bay of Fundy, Canada. *Frontiers in Marine Science*, 9, #976857.
- Sidhu, S., Huang, Q. J., Carrow, R. N., Jespersen, D., Liu, J., & Raymer, P. L. (2022). A review of a novel enzyme system for the management of thatch and soil water repellency in turfgrass. *International Turfgrass Society Research Journal*, 14(1), 450-461.
- Silva, C. A., Hudak, A. T., Vierling, L. A., Valbuena, R., Cardil, A., Mohan, M., de Almeida, D. R. A., Broadbent, E. N., Almeyda Zambrano, A. M., Wilkinson, B., Sharma, A., Drake, J. B., Medley, P. B., Vogel, J. G., Prata, G. A., Atkins, J. W., Hamamura, C., Johnson, D. J., & Klauberg, C. (2022). Treetop: A Shiny-based application and R package for extracting forest information from LiDAR data for ecologists and conservationists. *Methods in Ecology and Evolution*, 13(6), 1164-1176.
- Silva, G. M., Podversich, F., Schulmeister, T. M., Santos, E. R. S., Sanford, C., Siqueira, M. C. B., & Dilorenzo, N. (2022). Polyclonal antibody preparations from avian origin as a feed additive to beef cattle: Ruminal fermentation during the step-up transition diets. *Translational Animal Science*, 6(2), #txac070.
- Silva, G. M., Schulmeister, T. M., Podversich, F., Tarnonsky, F., Garcia-Ascolani, M. E., & Dilorenzo, N. (2022). Impacts of polyclonal antibody preparations from avian origin on nutrient digestibility and performance of backgrounding beef cattle. *Translational Animal Science*, 6(1), #txac016.

- Silva-Lugo, J. L., Warner, L. A., & Galindo, S. (2022). From parametric to non-parametric statistics in education and agricultural education research. *The Journal of Agricultural Education and Extension*, 28(4), 393-413.
- Simonis, J. L., Yenni, G. M., Bledsoe, E. K., Christensen, E. M., Senyondo, H., Taylor, S. D., Ye, H., White, E. P., & Ernest, S. K. M. (2022). Portalcasting: Supporting automated forecasting of rodent populations. *Journal Open Source Software*, 7(72), #3220.
- Singh, S., Livingston, T., Tang, L., & Vashisth, T. (2022). Effects of exogenous gibberellic acid in huanglongbing-affected sweet orange trees under Florida conditions—II. Fruit production and tree health. *HortScience*, 57(3), 353-359.
- Sivakala, K. K., Jose, P. A., Shamir, M., C-N Wong, A., Jurkevitch, E., & Yuval, B. (2022). Foraging behaviour of medfly larvae is affected by maternally transmitted and environmental bacteria. *Animal Behaviour*, 183, 169-176.
- Sloyer, K. E., Barve, N., Kim, D., Stenn, T., Campbell, L. P., & Burkett-Cadena, N. D. (2022). Predicting potential transmission risk of Everglades virus in Florida using mosquito blood meal identifications. *Frontiers in Epidemiology*, 2, #1046679.
- Sloyer, K. E., Burkett-Cadena, N. D., & Campbell, L. P. (2022). Predicting the potential distribution of *Culex (Melanoconion) cedecei* in Florida and the Caribbean using ecological niche models. *Journal of Vector Ecology*, 47(1), 88-98.
- Sloyer, K. E., Santos, M., Rivera, E., Reeves, L. E., Carrera, J. P., Vittor, A. Y., Valderrama, A., & Burkett-Cadena, N. D. (2022). Evaluating sampling strategies for enzootic Venezuelan equine encephalitis virus vectors in Florida and Panama. *PLOS Neglected Tropical Diseases*, 16(4), #e0010329.
- Smidt, S. J., Aviles, D., Belshe, E. F., & Reisinger, A. J. (2022). Impacts of residential fertilizer ordinances on Florida lacustrine water quality. *Limnology and Oceanography Letters*, 7(6), 475-482.
- Smidt, S. J., Brophy, T., Bi, X., Mook, A., Adams, D. C., & Beck, S. M. (2022). Integrating policy to achieve a harmonized sustainability model: A multidisciplinary synthesis and conceptual framework. *Journal of environmental management*, 317, #115314.
- Smith, A. C., Merz, L., Borden, J. B., Gulick, C. K., Kshirsagar, A. R., & Bruna, E. M. (2021). Assessing the effect of article processing charges on the geographic diversity of authors using Elsevier's "Mirror Journal" system. *Quantitative Science Studies*, 2(4), 1123-1143.
- Smith, J. A., Quesada, T., Alake, G., & Anger, N. (2022). Transcontinental dispersal of nonendemic fungal pathogens through wooden handicraft imports. *mBio*, 13(4), #e0107502.
- Smith, K. V., DeLong, K. L., Boyer, C. N., Thompson, J. M., Lenhart, S. M., Strickland, W. C., Burgess, E. R. I., Tian, Y., Talley, J., Machtinger, E. T., & Trout Fryxell, R. T. (2022). A call for the development of a sustainable pest management program for the economically

- important pest flies of livestock: A beef cattle perspective. *Journal of Integrated Pest Management*, 13(1), #14.
- Smith, T. P., Wilson, S. B., Marble, S. C., & Xu, J. J. (2022). Propagation for commercial production of sweet acacia (*Vachellia farnesiana*): A native plant with ornamental potential. *Native Plants Journal*, 23(3), 337-348.
- Soares, J. M., Weber, K. C., Qiu, W., Mahmoud, L. M., Grosser, J. W., & Dutt, M. (2022). Overexpression of the salicylic acid binding protein 2 (*SABP<sub>2</sub>*) from tobacco enhances tolerance against Huanglongbing in transgenic citrus. *Plant Cell Reports*, 41(12), 2305-2320.
- Solch-Ottaiano, R. J., Judkins, T. C., Matott, S. H., McDermott, C. E., Nieves, C., Wang, Y., Colee, J., Tagliamonte, M. S., Dissanayake, U., Mai, V., Percival, S. S., & Langkamp-Henken, B. (2022). High polyphenolic cranberry beverage alters specific fecal microbiota but not gut permeability following aspirin challenge in healthy obese adults: A randomized, double-blind, crossover trial. *Journal of Functional Foods*, 99, #105332.
- Sollenberger, L. E., & Dubeux, J. C. B. (2022). Warm-climate, legume-grass forage mixtures versus grass-only swards: An ecosystem services comparison. *Revista Brasileira de Zootecnia*, 51, #e20210198.
- Song, F., Su, D., Keyhani, N. O., Wang, C., Shen, L., & Qiu, J. (2022). Influence of selenium on the mycelia of the shaggy bracket fungus, *Inonotus hispidus*. *Journal of the Science of Food and Agriculture*, 102(9), 3762-3770.
- Song, J., Austin, J. D., & Yang, H. (2022). Comparative transcriptomics of the northern Quahog *Mercenaria mercenaria* and southern Quahog *Mercenaria campechiensis* in response to chronic heat stress. *Marine Biotechnology*, 24(2), 276-292.
- Song, J., Her, Y., Yu, X., Li, Y., Smyth, A., & Martens-Habbena, W. (2022). Effect of information-driven irrigation scheduling on water use efficiency, nutrient leaching, greenhouse gas emission, and plant growth in South Florida. *Agriculture, Ecosystems & Environment*, 333, #107954.
- Song, J. H., Her, Y., & Guo, T. (2022). Quantifying the contribution of direct runoff and baseflow to nitrogen loading in the Western Lake Erie basins. *Scientific Reports*, 12(1), #9216.
- Song, J. H., Her, Y., & Kang, M. S. (2022). Estimating reservoir inflow and outflow from water level observations using expert knowledge: Dealing with an ill-posed water balance equation in reservoir management. *Water Resources Research*, 58(4), #e2020WR028183.
- Song, S., Tao, Y., Gao, L., Liang, H., Tang, D., Lin, J., Wang, Y., Gmitter, F. G., & Li, C. (2022). An integrated metabolome and transcriptome analysis reveal the regulation mechanisms of flavonoid biosynthesis in a purple tea plant cultivar. *Frontiers in Plant Science*, 13, #880227.

- Song, Y., Rowland, D. L., Tillman, B. L., Wilson, C. H., Sarnoski, P. J., & Zurweller, B. A. (2022). Impact of seed maturity on season-long physiological performance and offspring seed quality in peanut (*Arachis hypogaea* L.). *Field Crops Research*, 288, #108674.
- Sood, S., Momotaz, A., Davidson, R. W., Islam, M. S., Sandhu, H., Zhao, D., Baltazar, M., Gordon, V. S., McCord, P., & Arbelo Coto, O. (2022). Registration of 'CP 12-1753' sugarcane. *Journal of Plant Registrations*, 16(1), 44-53.
- Sorochkina, K., Strauss, S. L., & Inglett, P. W. (2022). Contrasting seasonal patterns and factors regulating biocrust N<sub>2</sub>-fixation in two Florida agroecosystems. *Frontiers in Microbiology*, 13, #892266.
- Sosa, F., Carmickle, A. T., Oliveira, L. J., Sagheer, M., Saleem, M., Yu, F. H., Altman, M. D., Dikmen, S., Denicol, A. C., Sonstegard, T. S., Larson, C. C., & Hansen, P. J. (2022). Effects of the bovine SLICK1 mutation in PRLR on sweat gland area, FOXA1 abundance, and global gene expression in skin. *Journal of Dairy Science*, 105(11), 9206-9215.
- Sosa, F., Santos, J. E. P., Rae, D. O., Larson, C. C., Macchietto, M., Abrahante, J. E., Amaral, T. F., Denicol, A. C., Sonstegard, T. S., & Hansen, P. J. (2022). Effects of the SLICK1 mutation in PRLR on regulation of core body temperature and global gene expression in liver in cattle. *Journal of Dairy Science*, 16(5), #100523.
- Soto-Caro, A., Luo, T. Y., Wu, F., & Guan, Z. F. (2022). The US sweet potato market: Price response and impact of supply shocks. *Horticulturae*, 8(10), #856.
- Spencer, M., Miller, M., Courtemanche, A., Kinsella, J. M., & Funk, S. (2022). *Python bivittatus* (Burmese python) parasites. *Herpetological Review*, 53(\*), 347-348.
- Spencer, T. E., Wells, K. D., Lee, K., Telugu, B. P., Hansen, P. J., Bartol, F. F., Blomberg, L., Schook, L. B., Dawson, H., Lunney, J. K., Driver, J. P., Davis, T. A., Donovan, S. M., Dilger, R. N., Saif, L. J., Moeser, A., McGill, J. L., Smith, G., & Ireland, J. J. (2022). Future of biomedical, agricultural, and biological systems research using domesticated animals. *Biology of Reproduction*, 106(4), 629-638.
- Spiegel, S., Vendramini, J. M. B., Bittman, S., Silveira, M. L., Gifford, C., Rotz, C. A., Ragosta, J. P., & Kleinman, P. J. A. (2022). Recycling nutrients in the beef supply chain through circular manure sheds: Data to assess tradeoffs. *Journal of Environmental Quality*, 51(4), 494-509.
- Sprague, S. A., Tamang, T. M., Steiner, T., Wu, Q., Hu, Y., Kakeshpour, T., Park, J., (+ 18 authors including Peng, Z., White, F. F.), & Park, S. (2022). Redox-engineering enhances maize thermotolerance and grain yield in the field. *Plant Biotechnology Journal*, 20(9), 1819-1832.
- Srivastava, V., Karim, A. V., Babu, D. S., Nidheesh, P. V., Kumar, M. S., & Gao, B. (2022). Metal-loaded biochar for the removal of arsenic from water: A critical review on overall

- effectiveness, governing mechanisms, and influential factors. *ChemistrySelect*, 7(32), #e202200504.
- Staras, S. A. S., Kastrinos, A. L., Wollney, E. N., Desai, S., O’Neal, L. T. J., Johnson-Mallard, V., & Bylund, C. L. (2022). Differences in stakeholder-reported barriers and implementation strategies between counties with high, middle, and low HPV vaccine initiation rates: A mixed methods study. *Implementation Science Communications*, 3(1), #95.
- Steele, G. C., De Marchi, B. R., Lahiri, S., Adkins, S., Turechek, W., & Smith, H. A. (2022). The influence of tomato yellow leaf curl virus on dispersal by *Bemisia tabaci* MEAM1 in tomato. *Entomologia Experimentalis et Applicata*, 170(8), 744-754.
- Stephenson, C., Coker, E., Wisely, S., Liang, S., Dinglasan, R. R., & Lednicky, J. A. (2022). Imported dengue case numbers and local climatic patterns are associated with dengue virus transmission in Florida, USA. *Insects*, 13(2), #163.
- Stingl, U., Choi, C. J., Dhillon, B., & Schiavon, M. (2022). The lack of knowledge on the microbiome of golf turfgrasses impedes the development of successful microbial products. *Agronomy*, 12(1), #71.
- Stitt, J. M., Hudak, A. T., Silva, C. A., Vierling, L. A., & Vierling, K. T. (2022). Characterizing individual tree-level snags using airborne lidar-derived forest canopy gaps within closed-canopy conifer forests. *Methods in Ecology and Evolution*, 13(2), 473-484.
- Stitt, J. M., Hudak, A. T., Silva, C. A., Vierling, L. A., & Vierling, K. T. (2022). Evaluating the use of lidar to discern snag characteristics important for wildlife. *Remote Sensing*, 14(3), #720.
- Stoddart, J., de Almeida, D. R. A., Silva, C. A., Görgens, E. B., Keller, M., & Valbuena, R. (2022). A conceptual model for detecting small-scale forest disturbances based on ecosystem morphological traits. *Remote Sensing*, 14(4), #933.
- Stofer, K. A., Fulton, J., Nesbitt, H., Prizzia, A., Garrett, K. A., & Rosario, J. J. (2022). Initial social network analysis of producers working towards sustainability suggests weak ties and potential fragmentation. *Advancements in Agricultural Development*, 3(1), 4-18.
- Stone, W., Loizzo, J., Aenlle, J., & Beattie, P. (2022). Labs and landscapes virtual reality: Student-created forest conservation tours for informal public engagement. *Journal of Applied Communications*, 106(1), 1-17.
- Stratton, C. E., Moler, P., Allain, T. W., Reisinger, L. S., Behringer, D. C., & Bojko, J. (2022). The plot thickens: *Ovipleistophora diplostomuri* infects two additional species of Florida crayfish. *Journal of Invertebrate Pathology*, 191, #107766.
- Stratton, C. E., Reisinger, L. S., Behringer, D. C., & Bojko, J. (2022). Revising the freshwater *Thelohania* to *Astathelohania* gen. Et comb. Nov., and description of two new species. *Microorganisms*, 10(3), #636.

- Straume, H. M., Asche, F., Oglend, A., Abrahamsen, E. B., Birkenbach, A. M., Langguth, J., Lanquepin, G., & Roll, K. H. (2022). Impacts of Covid-19 on Norwegian salmon exports: A firm-level analysis. *Aquaculture*, *561*, #738678.
- Strayer-Scherer, A., Timilsina, S., Liao, Y. Y., Young, M., Roskopf, E. N., Vallad, G. E., Goss, E. M., Santra, S., Jones, J. B., Hong, J. C., & Paret, M. L. (2022). Simulated leaching of foliar applied copper bactericides on the soil microbiome utilizing various beta diversity resemblance measurements. *Microbiology Spectrum*, *10*(3), #e01481-21.
- Strickland, B. A., Gastrich, K., Beauchamp, J. S., Mazzotti, F. J., & Heithaus, M. R. (2022). Effects of hydrology on the movements of a large-bodied predator in a managed freshwater marsh. *Hydrobiologia*, *849*(4), 861-878.
- Su, N. Y. (2022). Insects in Japanese culture, and one that saved the country. *American Entomologist*, *68*(1), 52-58.
- Suarez, G., & Muneeppeerakul, R. (2022). Modeling human migration driven by changing mindset, agglomeration, social ties, and the environment. *PLOS ONE*, *17*(2), #e0264223.
- Subramanian, S., Dover, J. A., Parent, K. N., & Doorea, S. M. (2022). Host range expansion of *Shigella* phage Sf6 evolves through point mutations in the tailspike. *Journal of Virology*, *96*(16), #0092922.
- Suh, J. H., Madden, R. T., Sung, J., Chambers, A. H., Crane, J., & Wang, Y. (2022). Pathway-based metabolomics analysis reveals biosynthesis of key flavor compounds in mango. *Journal of Agricultural and Food Chemistry*, *70*(34), 10389-10399.
- Sullivan, K. E., Lavin, S. R., Livingston, S., Knutson, M., Valdes, E. V., & Warren, L. K. (2022). Safety and efficacy of a novel iron chelator (HBED; (*N,N'*-Di(2-hydroxybenzyl)ethylenediamine-*N,N'*-diacetic acid)) in equine (*Equus caballus*) as a model for black rhinoceros (*Diceros bicornis*). *Journal of Animal Physiology and Animal Nutrition*, *106*(5), 1107-1117.
- Sun, Y. D., & Folimonova, S. Y. (2022). Location matters: from changing a presumption about the *Citrus tristeza virus* tissue tropism to understanding the stem pitting disease. *New Phytologist*, *233*(2), 631-638.
- Sun, Y. D., Spellman-Kruse, A., & Folimonova, S. Y. (2022). Blaze a new trail: Plant virus xylem exploitation. *International Journal of Molecular Sciences*, *23*(15), #8375.
- Sunarti, S., Nirsatmanto, A., Brawner, J., Setyaji, T., Kartikaningtyas, D., Handayani, B. R., Surip, & Hidayati, F. (2022). Effect of genetic gain in diameter and wood density on advanced generation breeding strategy of *Acacia mangium* in Indonesia. *Journal of Tropical Forest Science*, *34*(1), 92-102.
- Susaeta, A., Fill, J., Crandall, R., & Varner, J. M. (2022). Hidden costs of fire exclusion in longleaf pine forests linked to duff and carbon management. *Journal of Forestry*, *120*(5), 504-512.



- Swatek, C. M., Lindsey, A. B., & Jones, J. A. (2022). Fundraiser turnover in higher education capital campaigns: Employment fluctuations by campaign phase. *Journal of Philanthropy and Marketing*, 27(2), #e1727.
- Tahir, M. A., Shaheen, H., & Rathinasabapathi, B. (2022). Health risk associated with heavy metal contamination of vegetables grown in agricultural soil of Siran valley, Mansehra, Pakistan—A case study. *Environmental Monitoring and Assessment*, 194(8), #551.
- Tahjib-Ul-Arif, M., Wei, X., Jahan, I., Hasanuzzaman, M., Sabuj, Z. H., Zulfiqar, F., Chen, J., Iqbal, R., Dastogeer, K. M. G., Sohag, A. A. M., Tonny, S. H., Hamid, I., Al-Ashkar, I., Mirzapour, M., El Sabagh, A., & Murata, Y. (2022). Exogenous nitric oxide promotes salinity tolerance in plants: A meta-analysis. *Frontiers in Plant Science*, 13, #957735.
- Tang, H. V., Berryman, D. L., Mendoza, J., Yactayo-Chang, J. P., Li, Q. B., Christensen, S. A., Hunter, C. T., Best, N., Soubeyrand, E., Akhtar, T. A., Basset, G. J., & Block, A. K. (2022). Dedicated farnesyl diphosphate synthases circumvent isoprenoid-derived growth-defense tradeoffs in *Zea mays*. *Plant Journal*, 112(1), 207-220.
- Tao, Y., Tao, Q., Sun, X., Qiu, J., Pueppke, S. G., Ou, W., Guo, J., & Qi, J. (2022). Mapping ecosystem service supply and demand dynamics under rapid urban expansion: A case study in the Yangtze River Delta of China. *Ecosystem Services*, 56, #101448.
- Tao, Z., Aslam, H., Parke, J., Sanchez, M., & Cheng, Z. (2022). Mechanisms of autophagic responses to altered nutritional status. *The Journal of Nutritional Biochemistry*, 103, #108955.
- Tapia, R., Abd-Elrahman, A., Osorio, L., Lee, S., & Whitaker, V. M. (2022). Combining canopy reflectance spectrometry and genome-wide prediction to increase response to selection for powdery mildew resistance in cultivated strawberry. *Journal of Experimental Botany*, 73(15), 5322-5335.
- Tarimo, B. B., Nyasembe, V. O., Ngasala, B., Basham, C., Rutagi, I. J., Muller, M., Chhetri, S. B., Rubinstein, R., Juliano, J. J., Loya, M., Dinglasan, R. R., Lin, T., & Mathias, D. K. (2022). Seasonality and transmissibility of *Plasmodium ovale* in Bagamoyo District, Tanzania. *Parasites & Vectors*, 15(1), #56.
- Tavares, C. S., & Bonning, B. C. (2022). Mpp51Aa1 toxicity to *Diaphorina citri* nymphs demonstrated using a new, long-term bioassay method. *Journal of Invertebrate Pathology*, 195, #107845.
- Tavares, C. S., Mishra, R., Ghobrial, P. N., & Bonning, B. C. (2022). Composition and abundance of midgut surface proteins in the Asian citrus psyllid, *Diaphorina citri*. *Journal of Proteomics*, 261, #14580.
- Taylor, E. E., King, B. H., & Burgess, E. R. (2022). Diet and nutrition of adult *Spalangia cameroni* (Hymenoptera: Pteromalidae), a parasitoid of filth flies. *Environmental Entomology*, 51(1), 32-43.

- Taylor, R., Hayden, K., Gluberman, M., Garcia, L., Gorucu, S., Swistock, B., & Preisendanz, H. (2022). Development and demonstration of an endocrine-disrupting compound footprint calculator. *Water*, *14*(10), #1587.
- Tefera, B. B., Bayabil, H. K., Tong, Z., Teshome, F. T., Wenbo, P., Li, Y. C., Hailegnaw, N. S., & Gao, B. (2022). Using liquefied biomass hydrogel to mitigate salinity in salt-affected soils. *Chemosphere*, *309*, #136480.
- Tehan, R. M., Blount, R. R., Goold, R. L., Mattos, D. R., Spatafora, N. R., Tabima, J. F., Gazis, R., Wang, C., Ishmael, J. E., Spatafora, J. W., & McPhail, K. L. (2022). Tolypocladamide H and the proposed tolypocladamide NRPS in *Tolypocladium* species. *Journal of Natural Products*, *85*(5), 1363-1373.
- Teixeira, L. D., Harrison, N. A., da Silva, D. R., Mathews, C. E., Gonzalez, C. F., & Lorca, G. L. (2022). Nanovesicles from *Lactobacillus johnsonii* N6.2 reduce apoptosis in human beta cells by promoting AHR translocation and IL10 secretion. *Frontiers in Immunology*, *13*, #889413.
- Teixeira Lins, C. M., Rodrigues de Souza, E., Rodrigues Monteiro, D., Souza Paulino, M. K. S., Farias de Melo, H., Magalhães Dourado, P. R., Cavalcante Cunha, J., Alves dos Santos, M., & Schaffer, B. (2022). Light curve responses in *Atriplex nummularia* L. irrigated with saline water. *Revista de Ciências Agrárias*, *45*(3), 105-115.
- Teklay, A., Dile, Y. T., Asfaw, D. H., Bayabil, H. K., Sisay, K., & Ayalew, A. (2022). Modeling the impact of climate change on hydrological responses in the Lake Tana basin, Ethiopia. *Dynamics of Atmospheres and Oceans*, *97*, #101278.
- Theodore, C., Sargent, S. A., Brecht, J. K., Zotarelli, L., & Berry, A. D. (2022). Comparison of three cooling methods (hydrocooling, forced-air cooling and slush icing) and plastic overwrap on broccoli quality during simulated commercial handling. *Agriculture*, *12*(8), #1272.
- Thiel, R., Bowling, A., Rumble, J., McFadden, B., Stofer, K., & Folta, K. (2022). Impact of teaching methods on learner preferences and knowledge gained when informing adults about gene editing. *Advancements in Agricultural Development*, *3*(1), 70-86.
- Thomas, T. M., Boone, W. W., Allen, M. S., Martin, C. W., & Johnson, S. A. (2022). Occupancy of the diamond-backed terrapin (*Malaclemys terrapin*) on coastal islands in the Suwannee Estuary, Florida, USA. *Herpetological Conservation and Biology*, *17*(3), 560-566.
- Thompson-Witrick, K. A., & Pitts, E. R. (2022). Bicarbonate inhibition and its impact on *Brettanomyces bruxellensis* ability to produce flavor compounds. *Journal of the American Society of Brewing Chemists*, *80*(3), 270-278.
- Tian, Y., Kaufman, P. E., Taylor, C. E., Beati, L., & Lord, C. C. (2022). Variable effects of temperature and relative humidity on *Rhipicephalus sanguineus* s.l. (Acari: Ixodidae) development. *Environmental Entomology*, *51*(4), 848-858.

- Tigrero-Vaca, J., Maridueña-Zavala, M. G., Liao, H. L., Prado-Lince, M., Zambrano-Vera, C. S., Monserrate-Maggi, B., & Cevallos-Cevallos, J. M. (2022). Microbial diversity and contribution to the formation of volatile compounds during fine-flavor cacao bean fermentation. *Foods*, *11*(7), #915.
- Tillis, S. B., Josimovich, J. M., Miller, M. A., Hoon-Hanks, L. L., Hartmann, A. M., Claunch, N. M., Iredale, M. E., Logan, T. D., Yackel Adams, A. A., Bartoszek, I. A., Humphrey, J. S., Kluever, B. M., Stenglein, M. D., Reed, R. N., Romagosa, C. M., Wellehan, J. F. X., & Ossiboff, R. J. (2022). Divergent serpentoviruses in free-ranging invasive pythons and native colubrids in southern Florida, United States. *Viruses*, *14*(12), #2726.
- Tinney, K. R., Dover, J. A., Doore, S. M., & Parent, K. N. (2022). *Shigella* viruses Sf22 and KRT47 require outer membrane protein C for infection. *Biochimica et Biophysica Acta - Biomembranes*, *1864*(7), #183920.
- Tiwari, R., Bashyal, M., & Kanissery, R. (2022). Weed management strategies for tomato plasticulture production in Florida. *Plants*, *11*(23), #3292.
- Todd, E. T., Tonasso-Calvière, L., Chauvey, L., Schiavinato, S., Fages, A., Seguin-Orlando, A., Clavel, P., (+ 41 authors including Brooks, S. A.), & Orlando, L. (2022). The genomic history and global expansion of domestic donkeys. *Science*, *377*(6611), 1172-1180.
- Toledo, I. M., Dahl, G. E., & De Vries, A. (2022). Dairy cattle management and housing for warm environments. *Livestock Science*, *255*, #104802.
- Toledo, I. M., Ouellet, V., Davidson, B. D., Dahl, G. E., & Laporta, J. (2022). Effects of exposure to heat stress during late gestation on the daily time budget of nulliparous Holstein heifers. *Frontiers in Animal Science*, *3*, #775272.
- Tonione, M. A., Bi, K., Dunn, R. R., Lucky, A., Portik, D. M., & Tsutsui, N. D. (2022). Phylogeography and population genetics of a widespread cold-adapted ant, *Prenolepis imparis*. *Molecular Ecology*, *31*(18), 4884-4899.
- Toohey, J. M., Otero, L., Siaca, I. G. F., & Acevedo, M. A. (2022). Identifying individual and spatial drivers of heterogeneous transmission and virulence of malaria in Caribbean anoles. *Ecosphere*, *13*(12), #e4297.
- Topalcengiz, Z., & Danyluk, M. D. (2022). Assessment of contamination risk from fecal matter presence on fruit and mulch in the tomato fields based on generic *Escherichia coli* population. *Food Microbiology*, *103*, #103956.
- Tramonti, A., Ghatge, M. S., Babor, J. T., Musayev, F. N., di Salvo, M. L., Barile, A., Colotti, G., Giorgi, A., Paredes, S. D., Donkor, A. K., Al Mughram, M. H., de Crécy-Lagard, V., Safo, M. K., & Contestabile, R. (2022). Characterization of the *Escherichia coli* pyridoxal 5'-phosphate homeostasis protein (YggS): Role of lysine residues in PLP binding and protein stability. *Protein Science*, *31*(11), #e4471.

- Triozzi, P. M., Irving, T. B., Schmidt, H. W., Keyser, Z. P., Chakraborty, S., Balmant, K., Pereira, W. J., Dervinis, C., Mysore, K. S., Wen, J., Ané, J. M., Kirst, M., & Conde, D. (2022). Spatiotemporal cytokinin response imaging and isopentenyltransferase 3 function in Medicago nodule development. *Plant Physiology*, 188(1), 560-575.
- Tripp, N. K., Kabalan, B. A., Stoeckel, J., & Reisinger, L. S. (2022). Metabolic rates of a widely distributed crayfish shift along a latitudinal gradient. *Hydrobiologia*, 849(16), 3565-3579.
- Tseng, Y., Tillman, B., Rowland, D., Dufault, N., & Wang, J. (2022). Genotypic, temporal, and tissue-type effects on the incidence of tomato spotted wilt virus in peanut (*Arachis hypogaea* L.). *Peanut Science*, 49(1), 17-25.
- Tsikolia, M., Tabanca, N., Kline, D. L., Demirci, B., Yang, L., Linthicum, K. J., Bloomquist, J. R., & Bernier, U. R. (2022). Studies on the volatiles composition of stored sheep wool, and attractancy toward *Aedes aegypti* mosquitoes. *Insects*, 13(2), #208.
- Tucker, C. M., Anton, S. D., Wippold, G. M., Marsiske, M., Bilello, L. A., Henry, M. A., Shah, N. R., Gautam, S. P., Klein, K. G., Mathews, A., Webb, F., & Desmond, F. (2022). Promoting weight-loss maintenance among Black women primary care patients: A cluster RCT of a culturally sensitive versus standard behavioural approach. *Clinical Obesity*, 12(6), #e12553.
- Tussey, D. A., Linthicum, K. J., & Hahn, D. A. (2022). Does severe hypoxia during irradiation of *Aedes aegypti* pupae improve sterile male performance? *Parasites & Vectors*, 15(1), #446.
- Twardek, W. M., Cowx, I. G., Lapointe, N. W. R., Paukert, C., Beard, T. D., Bennett, E. M., Browne, D., (+ 12 authors including Lorenzen, K.), & Cooke, S. J. (2022). Bright spots for inland fish and fisheries to guide future hydropower development. *Water Biology and Security*, 1(1), #100009.
- Tyler-Julian, K., Reeves, L., Lloyd, A., & Hoel, D. (2022). *Aedes pertinax* and *Culex interrogator*: Two mosquito species new to Lee County, Florida. *Journal Of The Florida Mosquito Control Association*, 69(1), 16-20.
- Udell, B., Martin, J., Waddle, H., Johnson, F., Falk, B., Adams, A. Y., Funk, S., Ketterlin, J., Suarez, E., Mazzotti, F., & Romagosa, C. (2022). Open removal models with temporary emigration and population dynamics to inform invasive animal management. *Ecology and Evolution*, 12(8), #e9173.
- Ueda, Y., Zhao, W., Ihara, H., Imahori, Y., Tsantili, E., Wendakoon, S. K., Chambers, A., & Bai, J. (2022). Functional characteristics of aldehyde dehydrogenase and its involvement in aromatic volatile biosynthesis in postharvest banana ripening. *Foods*, 11(3), #347.
- Ullah, S., Bano, A., Ullah, A., Shahid, M. A., & Khan, N. (2022). A comparative study of plant growth promoting rhizobacteria (PGPR) and sowing methods on nutrient availability in wheat and rhizosphere soil under salinity stress. *Rhizosphere*, 23, #100571.

- Urakawa, H., Andrews, G. A., Lopez, J. V., Martens-Habbena, W., Klotz, M. G., & Stahl, D. A. (2022). *Nitrosomonas supralittoralis* sp. nov., an ammonia-oxidizing bacterium from beach sand in a supralittoral zone. *Archives of Microbiology*, 204(9), #560.
- Urbaneja-Bernat, P., Holdcraft, R., Hernández-Cumplido, J., Rhodes, E. M., Liburd, O. E., Sial, A. A., Mafra-Neto, A., & Rodriguez-Saona, C. (2022). Field, semi-field and greenhouse testing of HOOK SWD, a SPLAT-based attract-and-kill formulation to manage spotted-wing drosophila. *Journal of Applied Entomology*, 146(10), 1230-1242.
- Urvois, T., Perrier, C., Roques, A., Sauné, L., Courtin, C., Li, Y., Johnson, A. J., Hulcr, J., Auger-Rozenberg, M. A., & Kerdelhué, C. (2022). A first inference of the phylogeography of the worldwide invader *Xylosandrus compactus*. *Journal of Pest Science*, 95(3), 1217-1231.
- Uthman, Q. O., Atta, A. A., Kadyampakeni, D. M., Qureshi, J. A., Morgan, K. T., & Nkedi-Kizza, P. (2022). Integrated water, nutrient, and pesticide management of huanglongbing-affected sweet oranges on Florida sandy soils - A review. *Plants*, 11(14), #1850.
- Uthman, Q. O., Kadyampakeni, D. M., Nkedi-Kizza, P., Kwakye, S., & Barlas, N. T. (2022). Boron, manganese, and zinc sorption and leaf uptake on citrus cultivated on a sandy soil. *Plants*, 11(5), #638.
- Valencia, A., Qiu, J., & Chang, N. B. (2022). Integrating sustainability indicators and governance structures via clustering analysis and multicriteria decision making for an urban agriculture network. *Ecological Indicators*, 142, #109237.
- Valipour, M., & Guzmán, S. M. (2022). Identification of the meteorological variables influencing evapotranspiration variability over Florida. *Environmental Modeling & Assessment*, 27(4), 645-663.
- Valle, D., Jameel, Y., Betancourt, B., Azeria, E. T., Attias, N., & Cullen, J. (2022). Automatic selection of the number of clusters using Bayesian clustering and sparsity-inducing priors. *Ecological Applications*, 32(3), #e2524.
- Valle, D., Silva, C. A., Longo, M., & Brando, P. (2022). The latent dirichlet allocation model applied to airborne LIDAR data: A case study on mapping forest degradation associated with fragmentation and fire in the Amazon region. *Methods in Ecology and Evolution*, 13(6), 1329-1342.
- Vallejos, C. E., Jones, J. W., Bhakta, M. S., Gezan, S. A., & Correll, M. J. (2022). Dynamic QTL-based ecophysiological models to predict phenotype from genotype and environment data. *BMC plant biology*, 22(1), #275.
- Van Asselt, J., Nian, Y. F., Soh, M., Morgan, S., & Gao, Z. F. (2022). Do plastic warning labels reduce consumers? Willingness to pay for plastic egg packaging?-Evidence from a choice experiment. *Ecological Economics*, 198, #107460.

- van Asselt, J., & Useche, P. (2022). Agricultural commercialization and nutrition; evidence from smallholder coffee farmers. *World Development*, *159*, #106021.
- van Cleef, F. O. S., Dubeux, J. C. B., Ciriaco, F. M., Henry, D. D., Ruiz-Moreno, M., Jaramillo, D. M., Garcia, L., Santos, E. R. S., DiLorenzo, N., Vendramini, J. M. B., Naumann, H. D., & Sollenberger, L. E. (2022). Inclusion of a tannin-rich legume in the diet of beef steers reduces greenhouse gas emissions from their excreta. *Scientific Reports*, *12*, #14220.
- van Cleef, F. O. S., Dubeux, J. C. B., Wheeler, C. S., García, C. C. V., Ruiz-Moreno, M., Sollenberger, L. E., Vendramini, J. M. B., DiLorenzo, N., & Naumann, H. D. (2022). Stable isotopes provide evidence that condensed tannins from *Sericea lespedeza* are degraded by ruminal microbes. *Scientific Reports*, *12*, #14318.
- van der Laat, R., Dale, A. G., Arellano, C., & Milla-Lewis, S. R. (2022). Variation in southern chinch bug (*Blissus insularis*) survival and damage on St. Augustinegrass germplasm. *International Turfgrass Society Research Journal*, *14*(1), 642-651.
- van Kooten, G. C., & Schmitz, A. (2022). COVID-19 impacts on US lumber markets. *Forest Policy and Economics*, *135*, #102265.
- van Wagenberg, C. P. A., Delele, T. G., & Havelaar, A. H. (2022). Patient-related healthcare costs for diarrhoea, Guillain Barré syndrome and invasive non-typhoidal salmonellosis in Gondar, Ethiopia, 2020. *BMC Public Health*, *22*(1), #2091.
- Vargas G, G., Kunert, N., Hammond, W. M., Berry, Z. C., Werden, L. K., Smith-Martin, C. M., Wolfe, B. T., Toro, L., Mondragón-Botero, A., Pinto-Ledezma, J. N., Schwartz, N. B., Uriarte, M., Sack, L., Anderson-Teixeira, K. J., & Powers, J. S. (2022). Leaf habit affects the distribution of drought sensitivity but not water transport efficiency in the tropics. *Ecology Letters*, *25*(12), 2637-2650.
- Vargas, J., Ungerfeld, E., Muñoz, C., & Dilorenzo, N. (2022). Feeding strategies to mitigate enteric methane emission from ruminants in grassland systems. *Animals*, *12*(9), #1132.
- Vargas Soto, J. S., Beirne, C., Whitworth, A., Cruz Diaz, J. C., Flatt, E., Pillco-Huarcaya, R., Olson, E. R., Azofeifa, A., Saborío-R, G., Salom-Pérez, R., Espinoza-Muñoz, D., Hay, L., Whittaker, L., Roldán, C., Bedoya-Arrieta, R., Broadbent, E. N., & Molnár, P. K. (2022). Human disturbance and shifts in vertebrate community composition in a biodiversity hotspot. *Conservation Biology*, *36*(2), #13813.
- Vasco, A. C. C. M., Dubeux, J. C. B., Arias-Esquivel, A. M., Warren, L. K., & Wickens, C. L. (2022). Feeding behavior and preference of horses fed rhizoma peanut hay. *Journal of Veterinary Behavior*, *47*, 35-44.
- Vaz, C. M. P., de Resende, J. M., Franchini, J. C., Debiasi, H., & Nunes, M. R. (2022). Evaluation and recommendations for the use of dynamic penetrometers. *Soil & Tillage Research*, *220*, #105373.

- Vázquez, A., Cloonan, K. R., Rohde, B. B., Gill, M. A., Mosser, L. K., Crane, J. H., Carrillo, D., & Kendra, P. E. (2022). Attraction and longevity of 2- and 3-component food cone lures for the Caribbean fruit fly, *Anastrepha suspensa* (Diptera: Tephritidae). *Journal of Economic Entomology*, *115*(4), 1231-1239.
- Vazquez, K., & Muneeppeerakul, R. (2022). Resilience of a complex watershed under water variability: A modeling study. *Sustainability*, *14*(4), #1948.
- Vedovatto, M., Izquierdo, V., Palmer, E., Oliveira, R. A., Silva, H. M., Vendramini, J. M. B., & Moriel, P. (2022). Monensin supplementation during late gestation of beef cows alters maternal plasma concentrations of insulin-like growth factors 1 and 2 and enhances offspring preweaning growth. *Translational Animal Science*, *6*(3), #txac105.
- Vedovatto, M., Leccioli, R. B., Lima, E. D. A., Rocha, R. F. A. T., Coelho, R. N., Moriel, P., da Silva, L. G., Ferreira, L. C. L., da Silva, A. F., Alves dos Reis, W. V., de Oliveira, D. M., & Franco, G. L. (2022). Impacts of body condition score at beginning of fixed-timed AI protocol and subsequent energy balance on ovarian structures, estrus expression, pregnancy rate and embryo size of *Bos indicus* beef cows. *Livestock Science*, *256*, #104823.
- Velásquez, A. C., Huguet-Tapia, J. C., & He, S. Y. (2022). Shared in planta population and transcriptomic features of nonpathogenic members of endophytic phyllosphere microbiota. *Proceedings of the National Academy of Sciences of the United States of America*, *119*(14), #e21144119.
- Velez-Climent, M., Soria, P., Dey, K., Mou, D. F., McVay, J., & Bahder, B. W. (2022). Detection and characterization of viruses and viroids in *Diospyros* species from Florida, U.S.A. *Plant Health Progress*, *23*(3), 308-316.
- Vendrame, W. A., Feuille, C., Beleski, D., & Bueno, P. M. C. (2022). In vitro growth responses of ornamental bananas (*Musa* sp.) as affected by light sources. *Horticulturae*, *8*(2), #92.
- Vendrame, W. A., Xu, J., & Beleski, D. (2022). Evaluation of the effects of culture media and light sources on in vitro growth of *Brassavola nodosa* (L.) Lindl. hybrid. *Horticulturae*, *8*(5), #450.
- Vermunt, P. C., Steele-Dunne, S. C., Khabbazan, S., Judge, J., & van de Giesen, N. C. (2022). Extrapolating continuous vegetation water content to understand sub-daily backscatter variations. *Hydrology and Earth System Sciences*, *26*(5), 1223-1241.
- Vermunt, P. C., Steele-Dunne, S. C., Khabbazan, S., Kumar, V., & Judge, J. (2022). Towards understanding the influence of vertical water distribution on radar backscatter from vegetation using a multi-layer water cloud model. *Remote Sensing*, *14*(16), #3867.
- Vieira, C. C., Sarkar, S., Tian, F., Zhou, J., Jarquin, D., Nguyen, H. T., Zhou, J., & Chen, P. (2022). Differentiate soybean response to off-target dicamba damage based on UAV imagery and machine learning. *Remote Sensing*, *14*(7), #1618.

- Vignale, F. A., Lencina, A. I., Stepanenko, T. M., Soria, M. N., Saona, L. A., Kurth, D., Guzmán, D., Foster, J. S., Poiré, D. G., Villafañe, P. G., Albarracín, V. H., Contreras, M., & Fariás, M. E. (2022). Lithifying and non-lithifying microbial ecosystems in the wetlands and salt flats of the central Andes. *Microbial Ecology*, 83(1), 1-17.
- Vilaro, M. J., Wilson-Howard, D. S., Neil, J. M., Tavassoli, F., Zalake, M. S., Lok, B. C., Modave, F. P., George, T. J., Odedina, F. T., Carek, P. J., Mys, A. M., & Krieger, J. L. (2022). A subjective culture approach to cancer prevention: Rural black and white adults' perceptions of using virtual health assistants to promote colorectal cancer screening. *Health Communication*, 37(9), 1123-1134.
- Vilas, D., Fletcher, R. J., Siders, Z. A., & Chagaris, D. (2022). Understanding the temporal dynamics of estimated environmental niche hypervolumes for marine fishes. *Ecology and Evolution*, 12(12), #e9604.
- Vilizzi, L., Hill, J. E., Piria, M., & Copp, G. H. (2022). A protocol for screening potentially invasive non-native species using weed risk assessment-type decision-support tools. *Science of the Total Environment*, 832, #154966.
- Vincent, C., Ebert, R., & Hermans, C. (2022). Root hair quantification is an accessible approach to phenotyping important functional traits. *Journal of Experimental Botany*, 73(11), 3304-3307.
- Vincent, C. I., Hijaz, F., Pierre, M., & Killiny, N. (2022). Systemic uptake of oxytetracycline and streptomycin in huanglongbing-affected citrus groves after foliar application and trunk injection. *Antibiotics*, 11(8), #1092.
- Vincent, I. R., Paudel, B. R., Guo, H., Roskopf, E. N., Di Gioia, F., Hong, J. C., McNear, D. H., Xu, N., Anrecio, L., Colee, J., & Zhao, X. (2022). Spatial and temporal changes of soil microbial communities in field tomato production as affected by anaerobic soil disinfestation. *Frontiers in Sustainable Food Systems*, 6, #836635.
- Vinyard, J. R., & Faciola, A. P. (2022). Unraveling the pros and cons of various in vitro methodologies for ruminant nutrition: A review. *Translational Animal Science*, 6(4), #txac130.
- Vinyard, J. R., Peñagaricano, F., & Faciola, A. P. (2022). The effects of course format, sex, semester, and institution on student performance in an undergraduate animal science course. *Translational Animal Science*, 6(1), #txac004.
- Vogel, J. G., Bracho, R., Akers, M., Amateis, R., Bacon, A., Burkhart, H. E., Gonzalez-Benecke, C. A., Grunwald, S., Jokela, E. J., Kane, M. B., Laviner, M. A., Markewitz, D., Martin, T. A., Meek, C., Ross, C. W., Will, R. E., & Fox, T. R. (2022). Regional assessment of carbon pool response to intensive silvicultural practices in loblolly pine plantations. *Forests*, 13(1), #36.
- Voiniciuc, C. (2022). Modern mannan: A hemicellulose's journey. *New Phytologist*, 234(4), 1175-1184.



- Vroom, M. M., Troncoso-Garcia, A., Duscher, A. A., & Foster, J. S. (2022). Modeled microgravity alters apoptotic gene expression and caspase activity in the squid-vibrio symbiosis. *BMC Microbiology*, 22(1), #202.
- Wachholz, A., Jawitz, J. W., Buttner, O., Jomaa, S., Merz, R., Yang, S., & Borchardt, D. (2022). Drivers of multi-decadal nitrate regime shifts in a large European catchment. *Environmental Research Letters*, 17(6), #064039.
- Wade, J., Culman, S. W., Gasch, C. K., Lazcano, C., Maltais-Landry, G., Margenot, A. J., Martin, T. K., Potter, T. S., Roper, W. R., Ruark, M. D., Sprunger, C. D., & Wallenstein, M. D. (2022). Rigorous, empirical, and quantitative: A proposed pipeline for soil health assessments. *Soil Biology & Biochemistry*, 170, #108710.
- Wade, T., Claassen, R., & Pailler, S. (2022). No-till adoption by corn and soybean producers: An examination of tenure. *Journal of Soil and Water Conservation*, 77(5), 482-492.
- Walden, H. D. S., Lo, M. M., Maunsell, F. P., Traore, K. F., Reuss, S., Young, A., Diouf, B., Seck, M., Adesogan, A. T., & Hernandez, J. A. (2022). Burden of anemia and intestinal parasites in farmers and family members and owned livestock in two geographic locations in Senegal before and during the rainy seasons. *One Health*, 15, #100415.
- Walker, A. C., Bhargava, R., Brust, A. S., Owji, A. A., & Czyż, D. M. (2022). Time-off-pick assay to measure *Caenorhabditis elegans* motility. *Bio-protocol*, 12(12), #e4436.
- Walker, A. C., Bhargava, R., Dove, A. S., Brust, A. S., Owji, A. A., & Czyż, D. M. (2022). Bacteria-derived protein aggregates contribute to the disruption of host proteostasis. *International Journal of Molecular Sciences*, 23(9), #4807.
- Walker, A. C., Bhargava, R., Vaziriyani-Sani, A. S., Brust, A. S., & Czyz, D. M. (2022). Quantification of bacterial loads in *Caenorhabditis elegans*. *Bio-protocol*, 12(2), #e4291.
- Walker, J. E., Ankersen, T., Barchiesi, S., Meyer, C. K., Altieri, A. H., Osborne, T. Z., & Angelini, C. (2022). Governance and the mangrove commons: Advancing the cross-scale, nested framework for the global conservation and wise use of mangroves. *Journal of environmental management*, 312, #114823.
- Waller, A. W., Gaytán-Martínez, M., & Andrade Laborde, J. E. (2022). In-country method validation of a paper-based, smartphone-assisted iron sensor for corn flour fortification programs. *Foods*, 11(3), #276.
- Walters, E. A., Crowley, C. E., Gandy, R. L., & Behringer, D. C. (2022). A reflex action mortality predictor (RAMP) for commercially fished blue crab *Callinectes sapidus* in Florida. *Fisheries Research*, 247, #106188.
- Walters, K., Martin, C. W., & Funk, T. S. (2022). Differences in resident prey survival on newly created shell and established natural intertidal oyster reefs. *Restoration Ecology*, 30(7), #e13630.

- Walters, L. J., Roddenberry, A., Crandall, C., Wayles, J., Donnelly, M., Barry, S. C., Clark, M. W., Escandell, O., Hansen, J. C., Laakkonen, K., & Sacks, P. E. (2022). The use of non-plastic materials for oyster reef and shoreline restoration: Understanding what is needed and where the field is headed. *Sustainability*, *14*(13), #8055.
- Wan, Y., Devereux, R., George, S. E., Chen, J., Gao, B., Noerpel, M., & Scheckel, K. (2022). Interactive effects of biochar amendment and lead toxicity on soil microbial community. *Journal of Hazardous Materials*, *425*, #127921.
- Wan, Z., Xu, Z., Sun, Y., Zhang, Q., Hou, D., Gao, B., Khan, E., Graham, N. J. D., & Tsang, D. C. W. (2022). Stoichiometric carbocatalysis via epoxide-like C–S–O configuration on sulfur-doped biochar for environmental remediation. *Journal of Hazardous Materials*, *428*, #128223.
- Wang, C., Wang, R., Yang, H., Wang, Y., & Zhang, Z. (2022). Gene cloning and transcriptional regulation of the alkaline and acid phosphatase genes in *Scylla paramamosain*. *Gene*, *810*, #146057.
- Wang, D., Yang, N., Zhang, C., He, W., Ye, G., Chen, J., & Wei, X. (2022). Transcriptome analysis reveals molecular mechanisms underlying salt tolerance in halophyte *Sesuvium portulacastrum*. *Frontiers in Plant Science*, *13*, #973419.
- Wang, E. P., Gao, Z. F., & Chen, X. Q. (2022). Chinese consumer preference for processed food quality attributes and the impact of trust in information sources. *British Food Journal*, *124*(3), 871-884.
- Wang, E. P., Gao, Z. F., & Heng, Y. (2022). Explore Chinese consumers' safety perception of agricultural products using a non-price choice experiment. *Food Control*, *140*, #109121.
- Wang, E. P., Liu, Z. Z., Gao, Z. F., Wen, Q., & Geng, X. H. (2022). Consumer preferences for agricultural product brands in an E-commerce environment. *Agribusiness*, *38*(2), 312-327.
- Wang, F., Mi, X., Chen, L., Xu, W., Durka, W., Swenson, N. G., Johnson, D. J., Worthy, S. J., Xue, J., Zhu, Y., Schmid, B., Liang, Y., & Ma, K. (2022). Differential impacts of adult trees on offspring and non-offspring recruits in a subtropical forest. *Science China Life Sciences*, *65*(10), 1905-1913.
- Wang, G. L., Zhang, C. L., Huo, H. Q., Sun, X. S., Zhang, Y. L., Hao, Y. J., & You, C. X. (2022). The SUMO E3 ligase MdSIZ1 sumoylates a cell number regulator MdCNR8 to control organ size. *Frontiers in Plant Science*, *13*, #836935.
- Wang, H., Wagnon, R., Moreno, D., Timilsina, S., Jones, J., Vallad, G., & Turechek, W. W. (2022). A long-amplicon viability-qPCR test for quantifying living pathogens that cause bacterial spot in tomato seed. *Plant Disease*, *106*(5), 1474-1485.
- Wang, M., Xu, C., Johnson, D. J., Allen, C. D., Anderson, M., Wang, G., Qie, G., Solander, K. C., & McDowell, N. G. (2022). Multi-scale quantification of anthropogenic, fire, and

- drought-associated forest disturbances across the continental U.S., 2000–2014. *Frontiers in Forests and Global Change*, 5, #693418.
- Wang, S., Ma, Z., Zhang, J., Jiao, W., Qin, Z., Yuan, Q., Xie, C., Wu, W., & Wilson, P. C. (2022). Structure-biodegradability relationship of nonylphenol isomers in two soils with long-term reclaimed water irrigation. *Water*, 14(8), #1258.
- Wang, S., Zhao, Y., Wang, Z., Lv, X., Wright, A. L., & Jiang, X. (2022). Contrasting seasonal response of comammox *Nitrospira* and canonical ammonia oxidizers in two paddy soils. *Soil Biology and Biochemistry*, 168, #108641.
- Wang, T., Wang, X., Shehata, A. I., Wang, R., Yang, H., Wang, Y., Wang, J., & Zhang, Z. (2022). Growth performance, physiological and antioxidant capacity responses to dietary fish meal replacement with insect meals for aquaculture: A case study in red claw crayfish (*Cherax quadricarinatus*). *Aquaculture Research*, 53(10), 3853-3864.
- Wang, X., Dhillon, N. B. D. S., Brochard, N., Aboughanem-Sabanadzovic, N., Sabanadzovic, S., Tomaso-Peterson, M., Wilkerson, T. H., Bluhm, B. H., Faske, T. R., & Allen, T. W. (2022). Quinone outside inhibitor resistance conferred with the G143A substitution in *Corynespora cassiicola*, which causes target spot, from Arkansas and Mississippi soybean. *Plant Health Progress*, 23(3), 339-341.
- Wang, X., Liu, Y., Keyhani, N. O., Zhu, S., Wang, J., Jin, D., & Fan, Y. (2022). A perilipin affects lipid droplet homeostasis and aerial hyphal growth, but has only small effects on virulence in the insect pathogenic fungus *Beauveria bassiana*. *Journal of Fungi*, 8(6), #634.
- Wang, Y., Liu, H., Fu, G., Li, Y., Ji, X., Zhang, S., & Qiao, K. (2022). *Paecilomyces variotii* extract increases lifespan and protects against oxidative stress in *Caenorhabditis elegans* through SKN-1, but not DAF-16. *Arabian Journal of Chemistry*, 15(9), #104073.
- Wang, Y., Lu, J., Sun, R., Gomez, D. F., Hulcr, J., Li, Y., & Gao, L. (2022). Uncovering hidden diversity within the *Euwallacea fornicatus* species complex in China. *Entomologia Generalis*, 42(4), 631-639.
- Wang, Z., Gmitter, F. G., Grosser, J. W., & Wang, Y. (2022). Natural sweeteners and sweetness-enhancing compounds identified in citrus using an efficient metabolomics-based screening strategy. *Journal of Agricultural and Food Chemistry*, 70(34), 10593-10603.
- Wang, Z., Niu, Y., Vashisth, T., Li, J., Madden, R., Livingston, T. S., & Wang, Y. (2022). Nontargeted metabolomics-based multiple machine learning modeling boosts early accurate detection for citrus Huanglongbing. *Horticulture Research*, 9, #uhac145.
- Warner, L. A., Diaz, J. M., & Dukes, M. D. (2022). Selecting high-impact landscape irrigation conservation behaviors: Formative research to inform behavior-change efforts. *Social Marketing Quarterly*, 28(1), 28-43.

- Warner, L. A., Diaz, J. M., Osborne, E. W., Oi, F., & Reed, C. N. (2022). Evaluating connections between personal well-being and adoption of landscape best management practices: An audience segmentation study. *Journal of environmental management*, 302, #113959.
- Warner, L. A., Krimsky, L. S., & Rampold, S. D. (2022). Using a diffusion of innovation lens to understand homeowner support for septic system to sewer system conversions. *Journal of environmental management*, 319, #115651.
- Warner, L. A., Rihn, A. L., Fulcher, A., LeBude, A. V., Schexnayder, S., & Joshi, A. (2022). A theory of planned behavior-informed evaluation of growers' intent to use automated nursery technologies. *Horticulturae*, 8(11), #1028.
- Warner, L. A., Rihn, A. L., Fulcher, A., Schexnayder, S., & LeBude, A. V. (2022). Relating grower perceptions and adoption of automated nursery technologies to address labor needs. *Journal of Agricultural Education*, 63(2), 150-168.
- Warwick, C. R., Rampold, S. D., Randolph, L., & Telg, R. W. (2021). Examining communication between Florida agriculture and natural resource organizations' leaders and membership to foster policy engagement. *Journal of Agricultural Education*, 62(4), 81-96.
- Weaver, J. R., Ascher, J. S., & Mallinger, R. E. (2022). Effects of short-term managed honey bee deployment in a native ecosystem on wild bee foraging and plant-pollinator networks. *Insect Conservation and Diversity*, 15(5), 634-644.
- Weaver, S. A., & Mallinger, R. E. (2022). A specialist bee and its host plants experience phenological shifts at different rates in response to climate change. *Ecology*, 103(5), #e3658.
- Weber, D. N., Fields, A. T., Patterson, W. F., Barnett, B. K., Hollenbeck, C. M., & Portnoy, D. S. (2022). Novel epigenetic age estimation in wild-caught Gulf of Mexico reef fishes. *Canadian Journal of Fisheries and Aquatic Sciences*, 79(1), 1-5.
- Weber, K. C., Mahmoud, L. M., Stanton, D., Welker, S., Qiu, W., Grosser, J. W., Levy, A., & Dutt, M. (2022). Insights into the mechanism of huanglongbing tolerance in the Australian finger lime (*Citrus australasica*). *Frontiers in Plant Science*, 13, #1019295.
- Weeks, E. N. I., Hoyer, M. V., Bennett, J. P., Jackson, M. A., & Cuda, J. P. (2022). Integrated management of hydrilla with two biological control agents and a herbicide. *Journal of Aquatic Plant Management*, 60, 23-33.
- Wei, X., Li, K., Zhang, X., Tong, Q., Ji, J., Cai, Y., Gao, B., Zou, W., & Dong, L. (2022). CeO<sub>2</sub> nanosheets with anion-induced oxygen vacancies for promoting photocatalytic toluene mineralization: Toluene adsorption and reactive oxygen species. *Applied Catalysis B: Environmental*, 317, #121694.

- Wei, X., Zhang, W., Zulfikar, F., Zhang, C., & Chen, J. (2022). Ericoid mycorrhizal fungi as biostimulants for improving propagation and production of ericaceous plants. *Frontiers in Plant Science*, *13*, #1027390.
- Weichelt, B. P., Gorucu, S., Burke, R. R., Salzwedel, M. A., Murphy, D. J., & Lee, B. C. (2022). Agricultural youth injuries: An updated review of cases from U.S. news media reports, 2016–2021. *Frontiers in Public Health*, *10*, #1045858.
- Weinstein, B. G., Garner, L., Saccomanno, V. R., Steinkraus, A., Ortega, A., Brush, K., Yenni, G., (+ 14 authors including Senyondo, H., White, E. P., Frederick, P.), & Ernest, S. K. M. (2022). A general deep learning model for bird detection in high-resolution airborne imagery. *Ecological Applications*, *32*(8), #e2694.
- Welker, S., & Levy, A. (2022). Comparing machine learning and binary thresholding methods for quantification of callose deposits in the citrus phloem. *Plants*, *11*(5), #624.
- Welker, S., Pierre, M., Santiago, J. P., Dutt, M., Vincent, C., & Levy, A. (2022). Phloem transport limitation in Huanglongbing-affected sweet orange is dependent on phloem-limited bacteria and callose. *Tree Physiology*, *42*(2), 379-390.
- Wen, L. J., Liu, Z. Z., Gao, Z. F., & Khanjari, S. (2022). Evolutionary path and mechanism of village revitalization: A case study of Yuejin Village, Jiangsu, China. *Sustainability*, *14*(13), #8162.
- Wheeler, G. S., Minter, C., Rohrig, E., Steininger, S., Nestle, R., Halbritter, D., Leidi, J., Rayamajhi, M., & Le Falchier, E. (2022). Release and persistence of the brazilian peppertree biological control agent *Pseudophilothrips ichini* (Thysanoptera: Phlaeothripidae) in Florida. *Florida Entomologist*, *105*(3), 225-230.
- White, A. L., Patterson, W. F., & Boswell, K. M. (2022). Distribution of acoustic fish backscatter associated with natural and artificial reefs in the Northeastern Gulf of Mexico. *Fisheries Research*, *248*, #106199.
- White, E. P., Brym, Z. T., Marx, A. J., Riemer, K., Marconi, S., Harris, D. J., Cruz, V., & Morgan Ernest, S. K. (2022). Data carpentry for biologists: A semester long data carpentry course using ecological and other biological examples. *Journal of Open Source Education*, *5*(50), #139.
- Whitman, B., Iannone, B. V., Kruse, J. K., Unruh, J. B., & Dale, A. G. (2022). Cultivar blends: A strategy for creating more resilient warm season turfgrass lawns. *Urban Ecosystems*, *25*(3), 797-810.
- Williams, J. L., Zhang, Y. M., LaPolla, J. S., Schultz, T. R., & Lucky, A. (2022). Phylogenomic delimitation of morphologically cryptic species in *Globetrotting nylanderia* (Hymenoptera: Formicidae) species complexes. *Insect Systematics and Diversity*, *6*(1), #10.

- Williams, M. R., Welikhe, P., Bos, J., King, K., Akland, M., Augustine, D., Baffaut, C., (+ 39 authors including Kohmann, M., Sanchez, J., Silveira, M.), & Yasarer, L. (2022). P-FLUX: A phosphorus budget dataset spanning diverse agricultural production systems in the United States and Canada. *Journal of Environmental Quality*, *51*(3), 451-461.
- Wilson, A. C., Anderson, C. J., Carter, C., & Romagosa, C. M. (2022). Abundance of introduced rhesus macaques (*Macaca mulatta*) in central Florida. *Biological Invasions*, *24*(7), 2217-2228.
- Winn, Z. J., Lyerly, J., Ward, B., Brown-Guedira, G., Boyles, R. E., Mergoum, M., Johnson, J., Harrison, S., Babar, A., Mason, R. E., Sutton, R., & Murphy, J. P. (2022). Profiling of *Fusarium* head blight resistance QTL haplotypes through molecular markers, genotyping-by-sequencing, and machine learning. *Theoretical and Applied Genetics*, *135*(9), 3177-3194.
- Wolfe, Z. M., & Scharf, M. E. (2022). Microbe-mediated activation of indoxacarb in German cockroach (*Blattella germanica* L.). *Pesticide Biochemistry and Physiology*, *188*, #105234.
- Wolff, F. C., & Asche, F. (2022). Pricing heterogeneity and transaction mode: Evidence from the French fish market. *Journal of Economic Behavior and Organization*, *203*, 67-79.
- Woloshun, R. R., Yu, Y., Xu, X., Lee, J. K., Zhu, S., Shine, J. S., Ebea, P., Stevens, B. R., Vidyasagar, S., & Collins, J. F. (2022). Four AAs increase DMT1 abundance in duodenal brush-border membrane vesicles and enhance iron absorption in iron-deprived mice. *Blood Advances*, *6*(10), 3011-3021.
- Wong, C., Oliveira-Hofman, C., Blaauw, B. R., Chavez, D., Jagdale, G., Mizell, R. F., & Shapiro-Ilan, D. (2022). Using the nematode, *Steinernema carpocapsae*, to control peachtree borer (*Synanthedon exitiosa*): Optimization of application rates and secondary benefits in control of root-feeding weevils. *Agronomy*, *12*(11), #2689.
- Wright, S. J., Goad, D. M., Gross, B. L., Muñoz, P. R., & Olsen, K. M. (2022). Genetic trade-offs underlie divergent life history strategies for local adaptation in white clover. *Molecular Ecology*, *31*(14), 3742-3760.
- Wu, B., Chun, E., Xie, R., Knox, G. W., Gu, M., & Qin, H. (2022). Real-time feeding behavior monitoring by electrical penetration graph rapidly reveals host plant susceptibility to crapemyrtle bark scale (Hemiptera: Eriococcidae). *Insects*, *13*(6), #495.
- Wu, B., Xie, R., Knox, G. W., Qin, H., & Gu, M. (2022). Evaluating beautyberry and fig species as potential hosts of invasive crapemyrtle bark scale in the United States. *HortTechnology*, *32*(1), 10-15.
- Wu, B., Yu, Q., Deng, Z., Duan, Y., Luo, F., & Gmitter, F. (2022). A chromosome-level phased genome enabling allele-level studies in sweet orange: A case study on citrus Huanglongbing tolerance. *Horticulture Research*, *10*(1), #uhac247.

- Wu, H., Canton, M., Mahmoud, L. M., Weber, K. R., Michalczyk, G. Z., Dutt, M., & Zale, J. M. (2022). Identification and characterization of two putative citrus phosphomannose isomerase (*CsPMI*) genes as selectable markers for mature citrus transformation. *Horticulturae*, 8(3), #204.
- Wu, L., Yang, F., Feng, J., Tao, X., Qi, Q., Wang, C., Schuur, E. A. G., Bracho, R., Huang, Y., Cole, J. R., Tiedje, J. M., & Zhou, J. (2022). Permafrost thaw with warming reduces microbial metabolic capacities in subsurface soils. *Molecular Ecology*, 31(5), 1403-1415.
- Wu, Q., Bell, B. A., Yan, J. X., Chevrette, M. G., Brittin, N. J., Zhu, Y., Chanana, S., Maity, M., Braun, D. R., Wheaton, A. M., Guzei, I. A., Ge, Y., Rajski, S. R., Thomas, M. G., & Bugni, T. S. (2022). Metabolomics and genomics enable the discovery of a new class of nonribosomal peptidic metallophores from a marine *Micromonospora*. *Journal of the American Chemical Society*, 145(1), 58-69.
- Wu, S., Blackburn, M. B., Mizell, R. F., Duncan, L. W., Toews, M. D., Sparks, M. E., El-Borai, F., Bock, C. H., & Shapiro-Ilan, D. I. (2021). Novel associations in antibiosis stemming from an insect pupal cell. *Journal of Invertebrate Pathology*, 184, #107655.
- Wu, S. Y., & Duncan, L. W. (2022). Entomopathogenic nematode species combinations alter rates of dispersal, host encounter and insecticidal efficiency. *Journal of Pest Science*, 95(3), 1111-1119.
- Wu, T., Ward, P. S., & Li, B. V. (2022). Experimental evidence on cooperation and coordination in forest and endangered species conservation in China. *Ecology and Society*, 27(4), #40.
- Wu, X., Cortés, A. J., & Blair, M. W. (2022). Genetic differentiation of grain, fodder and pod vegetable type cowpeas (*Vigna unguiculata* L.) identified through single nucleotide polymorphisms from genotyping-by-sequencing. *Molecular Horticulture*, 2(1), #8.
- Wu, X., Gao, B., Lyu, X., Zeng, X., Wu, J., & Sun, Y. (2022). Insight into the mechanism of phosphate and cadmium co-transport in natural soils. *Journal of Hazardous Materials*, 435, #129095.
- Wu, X., Zeng, X., Lyu, X., Gao, B., Sun, Y., & Wu, J. (2022). Combined effects of Fe/Al Oxyhydroxide coating and pH on polystyrene nanoplastic transport in saturated sand media. *Water, Air, and Soil Pollution*, 233(1), #2.
- Wynveen, C., Schneider, I., VanderWoude, D., Stein, T., Gibson, H., Shinew, K., Hendricks, W., & Megha, B. (2022). Implications of COVID-19 mitigation policies on recreational trail users: Exploring antecedents to physical distancing on trails across the rural-urban continuum. *Journal of Rural Social Sciences*, 37(2), #5.
- Xiang, Q., & Rathinasabapathi, B. (2022). Differential tolerance to heat stress of young leaves compared to mature leaves of whole plants relate to differential transcriptomes involved in metabolic adaptations to stress. *Aob Plants*, 14(4), #plac024.

- Xiang, W., Zhang, X., Cao, C., Quan, G., Wang, M., Zimmerman, A. R., & Gao, B. (2022). Microwave-assisted pyrolysis derived biochar for volatile organic compounds treatment: Characteristics and adsorption performance. *Bioresource Technology*, 355, #127274.
- Xiang, W., Zhang, X., Luo, J., Li, Y., Guo, T., & Gao, B. (2022). Performance of lignin impregnated biochar on tetracycline hydrochloride adsorption: Governing factors and mechanisms. *Environmental Research*, 215, #114339.
- Xie, L., Ke, L. Z., Lu, X. Q., Chen, J., & Zhang, Z. S. (2022). Exploiting unreduced gametes for improving ornamental plants. *Frontiers in Plant Science*, 13, #883470.
- Xin, X., Nepal, J., Wright, A. L., Yang, X., & He, Z. (2022). Carbon nanoparticles improve corn (*Zea mays* L.) growth and soil quality: Comparison of foliar spray and soil drench application. *Journal of Cleaner Production*, 363, #132630.
- Xin, X., Shentu, J., Zhang, T., Yang, X., Baligar, V. C., & He, Z. (2022). Sources, indicators, and assessment of soil contamination by potentially toxic metals. *Sustainability*, 14(23), #15878.
- Xin, X., Zhao, F., Judy, J. D., & He, Z. (2022). Copper stress alleviation in corn (*Zea mays* L.): Comparative efficiency of carbon nanotubes and carbon nanoparticles. *Nanoimpact*, 25, #100381.
- Xu, J. J., Beleski, D. G., & Vendrame, W. A. (2022). Effects of culture methods and plant growth regulators on in vitro propagation of *Brassavola nodosa* (L.) Lindl. hybrid. *In Vitro Cellular and Developmental Biology - Plant*, 58(6), 931-941.
- Xu, M., Lin, Y., da Silva, E. B., Cui, Q., Gao, P., Wu, J., & Ma, L. Q. (2022). Effects of copper and arsenic on their uptake and distribution in As-hyperaccumulator *Pteris vittata*. *Environmental Pollution*, 300, #118982.
- Xu, N., Amgain, N. R., Rabbany, A., Capasso, J., Korus, K., Swanson, S., & Bhadha, J. H. (2022). Interaction of soil health indicators to different regenerative farming practices on mineral soils. *Agrosystems, Geosciences and Environment*, 5(1), #e20243.
- Xu, N., Bhadha, J. H., Rabbany, A., Swanson, S., McCray, J. M., Li, Y., Strauss, S. L., & Mylavaram, R. (2022). Sugarcane bagasse amendment mitigates nutrient leaching from a mineral soil under tropical conditions. *Pedosphere*, 32(6), 876-883.
- Xu, Q., Liu, T., Liu, B., Cheng, H., Yang, C., Wang, B., Zimmerman, A. R., & Gao, B. (2022). Characterization and nutritional value of hydrothermal liquid products from distillers grains. *Journal of Environmental Management*, 316, #115275.
- Xu, Z., Johnson, D. J., Zhu, K., Lin, F., Ye, J., Yuan, Z., Mao, Z., Fang, S., Hao, Z., & Wang, X. (2022). Interannual climate variability has predominant effects on seedling survival in a temperate forest. *Ecology*, 103(4), #e3643.



- Xu, Z., Wan, Z., Sun, Y., Gao, B., Hou, D., Cao, X., Komárek, M., Ok, Y. S., & Tsang, D. C. W. (2022). Electroactive Fe-biochar for redox-related remediation of arsenic and chromium: Distinct redox nature with varying iron/carbon speciation. *Journal of Hazardous Materials*, *430*, #1043712.
- Yactayo-Chang, J. P., Boehlein, S., Beiriger, R. L., Resende, M. F. R., Bruton, R. G., Alborn, H. T., Romero, M., Tracy, W. F., & Block, A. K. (2022). The impact of post-harvest storage on sweet corn aroma. *Phytochemistry Letters*, *52*, 33-39.
- Yadav, P. K., Burks, T., Frederick, Q., Qin, J., Kim, M., & Ritenour, M. A. (2022). Citrus disease detection using convolution neural network generated features and Softmax classifier on hyperspectral image data. *Frontiers in Plant Science*, *13*, #1043712.
- Yagiz, Y., Wang, G. P., & Gu, L. (2022). Emulsification by vitamin E TPGS or Quillaja extract enhanced absorption of berberine without affecting its metabolism in humans. *Food & Function*, *13*(23), 12135-12143.
- Yamaura, Y., Fletcher, R. J., Lade, S. J., Higa, M., & Lindenmayer, D. (2022). From nature reserve to mosaic management: Improving matrix survival, not permeability, benefits regional populations under habitat loss and fragmentation. *Journal of Applied Ecology*, *59*(6), 1472-1483.
- Yandle, T., Tookes, J. S., Bennett-Martin, P., Larkin, S., & Page, M. (2022). An assessment of the viability of a commercial lionfish fishery in the US Virgin Islands. *Marine Policy*, *143*, #105103.
- Yang, B., Stamm, G., Bürstenbinder, K., & Voiniciuc, C. (2022). Microtubule-associated IQD9 orchestrates cellulose patterning in seed mucilage. *New Phytologist*, *235*(3), 1096-1110.
- Yang, B., Wang, J., Yu, M., Zhang, M., Zhong, Y., Wang, T., Liu, P., (+ 15 authors including Koch, K. E., McCarty, D. R.), & Lai, J. (2022). The sugar transporter ZmSUGCAR1 of the nitrate transporter 1/peptide transporter family is critical for maize grain filling. *The Plant Cell*, *34*(11), 4232-4254.
- Yang, B. X., Asche, F., & Li, T. (2022). Consumer behavior and food prices during the COVID-19 pandemic: Evidence from Chinese cities. *Economic Inquiry*, *60*(3), 1437-1460.
- Yang, C., Powell, C., Duan, Y., Lin, X., Fan, G., Hu, H., & Zhang, M. (2022). Key role of heat shock protein expression induced by ampicillin in citrus defense against huanglongbing: A transcriptomics study. *Agronomy*, *12*(6), #1356.
- Yang, H., Hu, E., Matthews, J. L., Varga, Z. M., & Tiersch, T. R. (2022). Is catalase an effective additive to alleviate oxidative stress during cryopreservation of zebrafish sperm at the repository level? *Cryobiology*, *104*, 70-78.
- Yang, H., & Huo, Y. (2022). Review of molluscan larval cryopreservation and application to germplasm cryobanking and commercial seed production. *Aquaculture*, *547*, #737491.

- Yang, L., Zheng, Q., Lin, S., Wang, Y., Zhu, Q., Cheng, D., Chen, J., & Zhang, Z. (2022). Dissipation and residue of dimethomorph in potato plants produced and dietary intake risk assessment. *International Journal of Environmental Analytical Chemistry*, *102*(6), 1332-1344.
- Yang, M., Li, S., Zhang, S., Gao, B., Tong, Z., Cheng, D., Chen, D., Huang, R., & Yang, Y. (2022). Dense and superhydrophobic biopolymer-coated large tablet produced with energy efficient UV-curing for controlled-release fertilizer. *Journal of Materials Chemistry A*, *10*(36), 18834-18844.
- Yang, M., Luo, Y., Sharma, A., Jia, Z., Wang, S., Wang, D., Lin, Perreault, W., Purohit, S., Gu, T., Dillow, H., Liu, X., Yu, H., & Zhang, B. (2022). Nondestructive and multiplex differentiation of pathogenic microorganisms from spoilage microflora on seafood using paper chromogenic array and neural network. *Food Research International*, *162*(Pt. B), #112052.
- Yang, S., Svoronos, S. A., & Pullammanappallil, P. (2022). Development of inexpensive, automatic, real-time measurement system for on-line methane content and biogas flowrate. *Waste and Biomass Valorization*, *13*(12), 4839-4849.
- Yang, X., Wang, L., Shao, X., Tong, J., Chen, R., Yang, Q., Li, G., Zimmerman, A. R., & Gao, B. (2022). Preparation of biosorbent for the removal of organic dyes from aqueous solution via one-step alkaline ball milling of hickory wood. *Bioresource Technology*, *348*, #126831.
- Yang, X., Wang, L., Shao, X., Tong, J., Zhou, J., Feng, Y., Chen, R., Yang, Q., Han, Y., Ding, F., Meng, Q., Yu, J., Zimmerman, A. R., & Gao, B. (2022). Characteristics and aqueous dye removal ability of novel biosorbents derived from acidic and alkaline one-step ball milling of hickory wood. *Chemosphere*, *309*, #136610.
- Yang, X., Wang, L., Tong, J., Shao, X., Chen, R., Yang, Q., Li, F., Xue, B., Li, G., Han, Y., Zimmerman, A. R., & Gao, B. (2022). Synthesis of hickory biochar via one-step acidic ball milling: Characteristics and titan yellow adsorption. *Journal of Cleaner Production*, *338*, #130575.
- Yang, Y., Wilson, L. T., Li, T., Paleari, L., Confalonieri, R., Zhu, Y., Tang, L., (+ 13 authors including Hoogenboom, G., Boote, K. J., Gao, Y.), & Wang, J. (2022). Integration of genomics with crop modeling for predicting rice days to flowering: A multi-model analysis. *Field Crops Research*, *276*, #108394.
- Yang, Z., Yan, H., Wang, J., Nie, G., Feng, G., Xu, X., Li, D., Huang, L., & Zhang, X. (2022). DNA hypermethylation promotes the flowering of orchardgrass during vernalization. *Plant Physiology*, *190*(2), 1490-1505.
- Yao, G., Fan, Y., Li, D., Hull, V., Shen, L., Li, Y., & Hu, J. (2022). The influence of environmental variables on home range size and use in the golden snub-nosed monkey (*Rhinopithecus roxellana*) in Tangjiahe National Nature Reserve, China. *Animals*, *12*(18), #2338.

- Yap, C. K., Chew, W., Al-Mutairi, K. A., Nulit, R., Ibrahim, M. H., Wong, K. W., Bakhtiari, A. R., Sharifinia, M., Ismail, M. S., Leong, W. J., Tan, W. S., Cheng, W. H., Okamura, H., You, C. F., & Al-Shami, S. A. (2022). Assessments of the ecological and health risks of potentially toxic metals in the topsoils of different land uses: A case study in peninsular Malaysia. *Biology*, *11*(1), #2.
- Yap, C. K., Tan, W. S., Cheng, W. H., Syazwan, W. M., Azrizal-Wahid, N., Krishnan, K., Go, R., (+ 21 authors including Al-Shami, S. A.), & Wong, L. S. (2022). Ecological–health risk of antimony and arsenic in *Centella asiatica*, topsoils, and mangrove sediments: A case study of peninsular Malaysia. *Frontiers in Environmental Science*, *10*, #939860.
- Yasin, M., Ahmad, A., Khaliq, T., Habib-ur-Rahman, M., Niaz, S., Gaiser, T., Ghafoor, I., Hassan, H. S., Qasim, M., & Hoogenboom, G. (2022). Climate change impact uncertainty assessment and adaptations for sustainable maize production using multi-crop and climate models. *Environmental Science and Pollution Research*, *29*(13), 18967-18988.
- Ye, G., Fan, J., Hu, H. W., Chen, J., Zhong, X., Wang, D., Wei, X., & Lin, Y. (2022). Short-term cellulose addition decreases microbial diversity and network complexity in an Ultisol following 32-year fertilization. *Agriculture, Ecosystems and Environment*, *325*, #107744.
- Yin, L., Xu, G., Yang, J., & Zhao, M. (2022). The heterogeneity in the landscape of gene dominance in maize is accompanied by unique chromatin environments. *Molecular Biology and Evolution*, *39*(10), #msac198.
- Yin, M. H., Gutierrez-Rodriguez, E. A., Vargas, A. I., & Schaffer, B. (2022). Chemical priming with brassinosteroids to mitigate responses of avocado (*Persea americana*) trees to flooding stress. *Horticulturae*, *8*(12), #1115.
- Younas, A., Kumar, L., Deitch, M. J., Qureshi, S. S., Shafiq, J., Ali Naqvi, S., Kumar, A., Amjad, A. Q., & Nizamuddin, S. (2022). Treatment of industrial wastewater in a floating treatment wetland: A case study of sialkot tannery. *Sustainability*, *14*(19), #12584.
- Young, C., Ravida, N., Rochford, M., Mazzotti, F., Curtis, M., & Durrant, B. (2022). Sperm cryopreservation in the Burmese python *Python bivittatus* as a model for endangered snakes. *Reproduction, Fertility and Development*, *34*(5), 401-409.
- Young, T. H., Wilson, S. B., Thetford, M., & Colee, J. (2022). Cutting propagation of 4 Florida native taxa of wild coffee (*Psychotria spp.*). *Native Plants Journal*, *23*(3), 288-297.
- Younker, T., & Radunovich, H. L. (2022). Farmer mental health interventions: A systematic review. *International Journal of Environmental Research and Public Health*, *19*(1), #244.
- Yourell, J. L., & Doty, J. L. (2022). Associations between weight-based bullying, developmental internal assets, and perceived social support among youth. *Journal of School Health*, *92*(1), 42-51.

- Yu, D. J., Haeffner, M., Jeong, H., Pande, S., Dame, J., Di Baldassarre, G., Garcia-Santos, G., Hermans, L., Muneeppeerakul, R., Nardi, F., Sanderson, M. R., Tian, F., Wei, Y., Wessels, J., & Sivapalan, M. (2022). On capturing human agency and methodological interdisciplinarity in socio-hydrology research. *Hydrological Sciences Journal*, 67(13), 1905-1916.
- Yu, J., Freeman, J. H., & Boyd, N. S. (2021). Tomato tolerance and purple nutsedge control with sulfuryl fluoride mixes. *Weed Technology*, 35(6), 950-956.
- Yu, P., & Marble, S. C. (2022). Improving Pennsylvania Bittercress Weed Control Efficacy with Mulch and Herbicide in Containers. *HortTechnology*, 32(6), 499-506.
- Yu, P., & Marble, S. C. (2022). Practice in nursery weed control—Review and meta-analysis. *Frontiers in Plant Science*, 12, #807736.
- Yu, P., Marble, S. C., & Minogue, P. (2022). Herbicide selection for controlling Tahitian bridal veil (*Gibasis pellucida*). *Invasive Plant Science and Management*, 15(4), 194-198.
- Yu, P. L., Fulton, J. C., Carmona, S. L., Burbano-David, D., Barrero, L. S., Huguet-Tapia, J. C., Brawner, J. T., & Soto-Suarez, M. (2022). Draft genome sequence and de novo assembly of a *Fusarium oxysporum* f. sp. *lycopersici* isolate collected from the Andean region in Colombia. *Microbiology Resource Announcements*, 11(1), #e0098021.
- Yu, P. L., & Rollins, J. A. (2022). The cAMP-dependent protein kinase A pathway perturbs autophagy and plays important roles in development and virulence of *Sclerotinia sclerotiorum*. *Fungal Biology*, 126(1), 20-34.
- Yu, X., Her, Y., Huo, W., Chen, G., & Qi, W. (2022). Spatio-temporal monitoring of urban street-side vegetation greenery using Baidu Street view images. *Urban Forestry and Urban Greening*, 73, #127617.
- Yu, Z., Montalto, F., Jacobson, S., Lall, U., Bader, D., & Horton, R. (2022). Stochastic downscaling of hourly precipitation series from climate change projections. *Water Resources Research*, 58(10), #e2022WR033140.
- Yuan, W., Choi, D., & Bolkas, D. (2022). GNSS-IMU-assisted colored ICP for UAV-LiDAR point cloud registration of peach trees. *Computers and Electronics in Agriculture*, 197, #106966.
- Yuan, W., Choi, D., Bolkas, D., Heinemann, P. H., & He, L. (2022). Sensitivity examination of YOLOv4 regarding test image distortion and training dataset attribute for apple flower bud classification. *International Journal of Remote Sensing*, 43(8), 3106-3130.
- Yudaputra, A., Fijridiyanto, I. A., Yuzammi, Witono, J. R., Astuti, I. P., Robiansyah, I., Hendrian, R., Hutabarat, P., Yuswandi, A. Y., Raharjo, P. D., Syartinilia, & Cropper, W. P. (2022). Habitat preferences, spatial distribution and current population status of endangered giant flower *Amorphophallus titanum*. *Biodiversity and Conservation*, 31(3), 831-854.

- Yudaputra, A., Witono, J. R., Astuti, I. P., Munawaroh, E., Yuzammi, Fijridiyanto, I. A., Zulkarnaen, R. N., Robiansyah, I., Raharjo, P. D., & Cropper, W. P. (2022). Habitat suitability, population structure and conservation status of pinanga arinasae (*Arecaceae*), an endemic palm in Bali Island, Indonesia. *Diversity*, *14*(1), #d14010010.
- Yue, C., Lai, Y., Khachatryan, H., & Hodges, A. (2022). Effect of geographic distance on domestic trade: A case of the US Green industry. *Agribusiness*, *38*(1), 154-174.
- Zambon, F. T., Meadows, T. D., Eckman, M. A., Rivera Rodriguez, K. M., & Soranz Ferrarezi, R. (2022). Automated ebb-and-flow subirrigation accelerates citrus liner production in treepots. *Agricultural Water Management*, *262*, #107387.
- Zampaligré, N., Traoré, T. C., Sawadogo, E. T. B. P., Ayantunde, A., Prasad, K. V. S. V., Blummel, M., Balehegn, M., Rios, E., Dubeux, J. C., Boote, K. J., & Adesogan, A. T. (2022). Herbage accumulation and nutritive value of cultivar Mulato II, Congo grass, and Guinea grass cultivar C1 in a subhumid zone of West Africa. *Agronomy Journal*, *114*(1), 138-147.
- Zampaligré, N., Yoda, G., Delma, J., Sanfo, A., Balehegn, M., Rios, E., Dubeux, J. C., Boote, K., & Adesogan, A. T. (2022). Fodder biomass, nutritive value, and grain yield of dual-purpose improved cereal crops in Burkina Faso. *Agronomy Journal*, *114*(1), 115-125.
- Zanne, A. E., Flores-Moreno, H., Powell, J. R., Cornwell, W. K., Dalling, J. W., Austin, A. T., Classen, A. T., (+ 100 authors including Vogel, J. G.), & Zalamea, P. C. (2022). Termite sensitivity to temperature affects global wood decay rates. *Science*, *377*(6613), 1440-1444.
- Zapien-Macias, J. M., Ferrarezi, R. S., Spyke, P. D., Castle, W. S., Gmitter, F. G., Grosser, J. W., & Rossi, L. (2022). Early performance of recently released rootstocks with grapefruit, navel orange, and mandarin scions under endemic Huanglongbing conditions in Florida. *Horticulturae*, *8*(11), #1027.
- Zeng, C., Shi, H., Kirkpatrick, L. T., Ricome, A., Park, S., Scheffler, J. M., Hannon, K. M., Grant, A. L., & Gerrard, D. E. (2022). Driving an oxidative phenotype protects Myh4 null mice from myofiber loss during postnatal growth. *Frontiers in Physiology*, *12*, #785151.
- Zenobi, M. G., Bollatti, J. M., Lopez, A. M., Barton, B. A., Hixson, C. L., Maunsell, F. P., Thatcher, W. W., Miller-Cushon, K., Santos, J. E. P., Staples, C. R., & Nelson, C. D. (2022). Effects of maternal choline supplementation on performance and immunity of progeny from birth to weaning. *Journal of Dairy Science*, *105*(12), 9896-9916.
- Zha, Y. X., Faeflen, S. J. W., Zhou, X. B., Tecimen, H. B., Wright, A. L., & Jiang, X. J. (2022). Redox effect on carbon and nitrogen mineralization in the drawdown zone of the Three Gorges Reservoir. *International Journal of Environmental Science and Technology*, *19*(12), 12181-12192.

- Zhang, A., Matsuoka, K., Kareem, A., Robert, M., Roszak, P., Blob, B., Bisht, A., De Veylder, L., Voiniciuc, C., Asahina, M., & Melnyk, C. W. (2022). Cell-wall damage activates DOF transcription factors to promote wound healing and tissue regeneration in *Arabidopsis thaliana*. *Current Biology*, *32*(9), 1883-1894.
- Zhang, B., Munske, G. R., Timokhin, V. I., Ralph, J., Davydov, D. R., Vermerris, W., Sattler, S. E., & Kang, C. (2022). Functional and structural insight into the flexibility of cytochrome P450 reductases from *Sorghum bicolor* and its implications for lignin composition. *Journal of Biological Chemistry*, *298*(4), #101761.
- Zhang, C., Hoogenboom, G., Ritenour, M. A., Alam-Eldein, S. M., Muñoz-Carpena, R., & Sargent, S. A. (2022). Modeling the relationship between air temperature and grapefruit quality traits. *Journal of the Science of Food and Agriculture*, *103*(3), 1247-1260.
- Zhang, C., Wang, D., He, W., Liu, H., Chen, J., Wei, X., & Mu, J. (2022). *Sesuvium portulacastrum*-mediated removal of nitrogen and phosphorus affected by sulfadiazine in aquaculture wastewater. *Antibiotics*, *11*(1), #68.
- Zhang, C., Wu, S., Li, T., Yu, Z., & Bian, J. (2022). Interpreting the trends of extreme precipitation in Florida through pressure change. *Remote Sensing*, *14*(6), #1410.
- Zhang, D., Wang, R., Xiao, J., Zhu, S., Li, X., Han, S., Li, Z., Zhao, Y., Shohag, M. J. I., He, Z., & Li, S. (2022). An integrated physiology, cytology, and proteomics analysis reveals a network of sugarcane protoplast responses to enzymolysis. *Frontiers in Plant Science*, *13*, #1066073.
- Zhang, H., Gong, X., Zhao, Q., Mukai, T., Vargas-Rodriguez, O., Zhang, Y., Wassel, P., Amikura, K., Maupin-Furlow, J., Ren, Y., Xu, X., Wolf, Y. I., Makarova, K. S., Koonin, E. V., Shen, Y., Söll, D., & Fu, X. (2022). The tRNA discriminator base defines the mutual orthogonality of two distinct pyrrolysyl-tRNA synthetase/tRNAPyl pairs in the same organism. *Nucleic Acids Research*, *50*(8), 4601-4615.
- Zhang, H., Hu, X., Li, T., Zhang, Y., Xu, H., Sun, Y., Gu, X., Gu, C., Luo, J., & Gao, B. (2022). MIL series of metal organic frameworks (MOFs) as novel adsorbents for heavy metals in water: A review. *Journal of Hazardous Materials*, *429*, #128271.
- Zhang, J., Wang, Y., Wang, X., Wu, W., Cui, X., Cheng, Z., Yan, B., Yang, X., He, Z., & Chen. (2022). Hydrothermal conversion of Cd/Zn hyperaccumulator (*Sedum alfredii*) for heavy metal separation and hydrochar production. *Journal of Hazardous Materials*, *423*, #127122.
- Zhang, K., Maltais-Landry, G., George, S., Grabau, Z. J., Small, I. M., Wright, D., & Liao, H. L. (2022). Long-term sod-based rotation promotes beneficial root microbiomes and increases crop productivity. *Biology and Fertility of Soils*, *58*(4), 403-419.
- Zhang, K., Maltais-Landry, G., James, M., Mendez, V., Wright, D., George, S., & Liao, H. L. (2022). Absolute microbiome profiling highlights the links among microbial stability, soil

- health, and crop productivity under long-term sod-based rotation. *Biology and Fertility of Soils*, 58(8), 883-901.
- Zhang, K., Schumacher, L., Maltais-Landry, G., Grabau, Z. J., George, S., Wright, D., Small, I. M., & Liao, H. L. (2022). Integrating perennial bahiagrass into the conventional rotation of cotton and peanut enhances interactions between microbial and nematode communities. *Applied Soil Ecology*, 170, #104254.
- Zhang, M., Sharma, A., León, F., Avery, B., Kjelgren, R., McCurdy, C. R., & Pearson, B. J. (2022). Plant growth and phytoactive alkaloid synthesis in kratom [*Mitragyna speciosa* (Korth.)] in response to varying radiance. *PLOS ONE*, 17(4), #e0259326.
- Zhang, M., Tan, F. Q., Fan, Y. J., Wang, T. T., Song, X., Xie, K. D., Wu, X. M., Zhang, F., Deng, X. X., Grosser, J. W., & Guo, W. W. (2022). Acetylome reprogramming participates in the establishment of fruit metabolism during polyploidization in citrus. *Plant Physiology*, 190(4), 2519-2538.
- Zhang, P., Wang, J., Li, M. M., & Xiao, F. (2022). Research on the mechanism of information infrastructure affecting industrial structure upgrading. *Scientific Reports*, 12(1), #19962.
- Zhang, P., Zhang, M., Mellich, T. A., Pearson, B. J., Chen, J., & Zhang, Z. (2022). Variation in rotenone and deguelin contents among strains across four *Tephrosia* species and their activities against aphids and whiteflies. *Toxins*, 14(5), #339.
- Zhang, P., Zhou, Y., Qin, D., Chen, J., & Zhang, Z. (2022). Metabolic changes in larvae of predator *Chrysopa sinica* fed on azadirachtin-treated *Plutella xylostella* larvae. *Metabolites*, 12(2), #158.
- Zhang, Q., Qi, Y., Pan, H., Tang, H., Wang, G., Hua, X., Wang, Y., (+ 23 authors including Wang, J.), & Zhang, J. (2022). Genomic insights into the recent chromosome reduction of autopolyploid sugarcane *Saccharum spontaneum*. *Nature Genetics*, 54(6), 885-896.
- Zhang, Q., Wu, X., Lyu, X., Gao, B., Wu, J., & Sun, Y. (2022). Effects of anionic hydrocarbon surfactant on the transport of perfluorooctanoic acid (PFOA) in natural soils. *Environmental Science and Pollution Research*, 29(17), 24672-24681.
- Zhang, S., Yang, M., Meng, S., Yang, Y., Li, Y. C., & Tong, Z. (2022). Biowaste-derived, nanohybrid-reinforced double-function slow-release fertilizer with metal-adsorptive function. *Chemical Engineering Journal*, 450, #138084.
- Zhang, W., Liu, H., Fu, G., Li, Y., Ji, X., Zhang, S., Wei, M., & Qiao, K. (2022). Exposure to fluopimomide at sublethal doses causes oxidative stress in *Caenorhabditis elegans* regulated by insulin/insulin-like growth factor 1-like signaling pathway. *Environmental Toxicology*, 37(10), 2529-2539.
- Zhang, W., Sun, W., Wang, Y., Liu, H., Zhang, S., Dong, B., Ji, X., & Qiao, K. (2022). Management of *Meloidogyne incognita* on cucumber with a new nonfumigant nematicide fluopimomide. *Plant Disease*, 106(1), 151-155.

- Zhang, X., Cao, L., Xiang, W., Xu, Y., & Gao, B. (2022). Preparation and evaluation of fine-tuned micropore biochar by lignin impregnation for CO<sub>2</sub> and VOCs adsorption. *Separation and Purification Technology*, 295, #121295.
- Zhang, X., & Mathias, D. K. (2022). The effects of light wavelength and trapping habitat on surveillance of *Culicoides* biting midges (Diptera: Ceratopogonidae) in Alabama. *Journal of Medical Entomology*, 59(6), 2053-2065.
- Zhang, X., Wells, M., Niazi, N. K., Bolan, N., Shaheen, S., Hou, D., Gao, B., Wang, H., Rinklebe, J., & Wang, Z. (2022). Nanobiochar-rhizosphere interactions: Implications for the remediation of heavy-metal contaminated soils. *Environmental Pollution*, 299, #118810.
- Zhang, X., Xiang, W., Miao, X., Li, F., Qi, G., Cao, C., Ma, X., Chen, S., Zimmerman, A. R., & Gao, B. (2022). Microwave biochars produced with activated carbon catalyst: Characterization and sorption of volatile organic compounds (VOCs). *Science of the Total Environment*, 827, #153996.
- Zhang, Y., & Kacira, M. (2022). Analysis of climate uniformity in indoor plant factory system with computational fluid dynamics (CFD). *Biosystems Engineering*, 220, 73-86.
- Zhang, Y., Luo, J., Zhang, H., Li, T., Xu, H., Sun, Y., Gu, X., Hu, X., & Gao, B. (2022). Synthesis and adsorption performance of three-dimensional gels assembled by carbon nanomaterials for heavy metal removal from water: A review. *Science of the Total Environment*, 852, #158201.
- Zhang, Y. M., Sheikh, S. I., Ward, A. K. G., Forbes, A. A., Prior, K. M., Stone, G. N., Gates, M. W., Egan, S. P., Zhang, L., Davis, C., Weinersmith, K. L., Melika, G., & Lucky, A. (2022). Delimiting the cryptic diversity and host preferences of *Sycophila* parasitoid wasps associated with oak galls using phylogenomic data. *Molecular Ecology*, 31(16), 4417-4433.
- Zhang, Z., Liu, B., He, Z., Pan, P., Wu, L., Lin, B., Li, Q., Zhang, X., & Wang, Z. (2022). The synergistic effect of biochar-combined activated phosphate rock treatments in typical vegetables in tropical sandy soil: Results from nutrition supply and the immobilization of toxic metals. *International Journal of Environmental Research and Public Health*, 19(11), #6431.
- Zhao, C., Stockle, C. O., Karimi, T., Nelson, R. L., van Evert, F. K., Pronk, A. A., Riddle, A. A., Marshall, E., Raymundo, R., Li, Y., Guan, K., Gustafson, D., Hoogenboom, G., Wang, X., Cong, J., & Asseng, S. (2022). Potential benefits of climate change for potatoes in the United States. *Environmental Research Letters*, 17(10), #104034.
- Zheng, C., Abd-Elrahman, A., Whitaker, V., & Dalid, C. (2022). Prediction of strawberry dry biomass from UAV multispectral imagery using multiple machine learning methods. *Remote Sensing*, 14(18), #4511.



- Zheng, C., Abd-Elrahman, A., Whitaker, V. M., & Dalid, C. (2022). Deep learning for strawberry canopy delineation and biomass prediction from high-resolution images. *Plant Phenomics*, 2022, #9850486.
- Zhou, X., Ampatzidis, Y., Lee, W. S., Zhou, C., Agehara, S., & Schueller, J. K. (2022). Deep learning-based postharvest strawberry bruise detection under UV and incandescent light. *Computers and Electronics in Agriculture*, 202, #107389.
- Zhu, L., Zhou, T., Iyyappan, R., Ming, H., Dvoran, M., Wang, Y., Chen, Q., Roberts, R. M., Susor, A., & Jiang, Z. (2022). High-resolution ribosome profiling reveals translational selectivity for transcripts in bovine preimplantation embryo development. *Development*, 149(21), #dev200819.
- Zhu, X., He, M., Xu, Z., Luo, Z., Gao, B., Ruan, R., Wang, C. H., Wong, K. H., & Tsang, D. C. W. (2022). Combined acid pretreatment and co-hydrothermal carbonization to enhance energy recovery from food waste digestate. *Energy Conversion and Management*, 266, #115855.
- Zimmerman, R. H., Galardo, A. K. R., Lounibos, L. P., Galardo, C., Bahar, A. K., & van Santen, E. (2022). Vectorial capacities for malaria in eastern Amazonian Brazil depend on village, vector species, season, and parasite species. *Malaria Journal*, 21(1), #237.
- Zulfiqar, F., Moosa, A., Nazir, M. M., Ferrante, A., Ashraf, M., Nafees, M., Chen, J., Darras, A., & Siddique, K. H. M. (2022). Biochar: An emerging recipe for designing sustainable horticulture under climate change scenarios. *Frontiers in Plant Science*, 13, #1018646.
- Zulfiqar, F., Nafees, M., Chen, J., Darras, A., Ferrante, A., Hancock, J. T., Ashraf, M., Zaid, A., Latif, N., Corpas, F. J., Altaf, M. A., & Siddique, K. H. M. (2022). Chemical priming enhances plant tolerance to salt stress. *Frontiers in Plant Science*, 13, #946922.
- Zulfiqar, F., Nafees, M., Darras, A., Shaukat, N., Chen, J., Ferrante, A., Zaid, A., Latif, N., Raza, A., & Siddique, K. H. M. (2022). Pre-harvest potassium foliar application improves yield, vase life and overall postharvest quality of cut gladiolus inflorescences. *Postharvest Biology and Technology*, 192, #112027.
- Zurweller, B. A., Rowland, D. L., Tillman, B. L., Payton, P., Erickson, J., Racette, K., & Carter, E. (2022). Soil water depletion of peanut subspecies as influenced by water-use traits and soil water availability. *Journal of Agronomy and Crop Science*, 208(6), 928-940.