

# RYAN KLEIN

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## EDUCATION

University of Florida (Ph.D., Summer 2020)

- Major: Environmental Horticulture

University of Florida (M.S., Summer 2016)

- Major: Environmental Horticulture with a minor in Urban Planning/ Natural Resource Policy and Economics

Western Illinois University (B.A., Spring 2014)

- Major: Anthropology with a minor in Urban Forestry

Columbia College Chicago (B.A., Winter 2008)

- Major: Business & Entrepreneurship
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## EXPERIENCE

2020-Present Assistant Professor of Arboriculture, University of Florida

- Arboricultural research, extension, and teaching

2020 (Spring) Tree Maintenance Training Session, Florida Department of Transportation (FDOT), Miami, Florida

- Instructed 60 FDOT employees on proper tree and palm maintenance (i.e. pruning, planting, and prevention of damage)

2020 (Spring) Arboriculture Instructor, University of Florida

- Developed lectures, assignments, and labs for undergraduate/graduate course (estimated 15-20 students)
- Responsible for presenting students with course material and grading assignments
- Secured 6-7 guest lectures from various walks of the tree care industry to present students with possible career options currently available

2018 (Fall) Tree Risk Assessment Workshop, Wisconsin Arborist Association Fall Conference

- Instructed three separate one-hour sessions with groups of 30-40 tree care professionals on basic level 2 tree risk assessments
- Highlighted the importance of target occupancy and consequences of failure as related to commonly used tree risk assessment methods

2018 (Summer) Arboricultural Consultant, Unified Building Sciences

- Created working tree inventories for roughly 30 mobile home parks across Florida
- Advised on arboricultural issues that were the result of Hurricane Irma

2018 (Summer) Research Assistant/Crew Leader, University of Florida

- Assessed approximately 60 i-Tree plots for canopy loss following Hurricane Irma
- Managed a crew of three in collecting tree risk assessment data

2018 (Spring) Teaching Assistant, Arboriculture, University of Florida

- Evaluated homework and corresponded with students on issues related to assignments
- Assisted professor in demonstrating arboricultural techniques during class field day

2017-2020 Research Assistant, University of Florida

- Manage multiple research projects and write articles pertaining to urban tree risk assessment

2016-2017 Branch Manager, SavATree

- Oversaw the general operations of a \$1.7 million branch for a high-end lawn care and tree maintenance company
- Managed a team of 10 employees (field crews, sales arborists, and administrative staff)

- Ensured that equipment was maintained and in compliance with state laws, ordered needed product and equipment, customer service, conducted reviews, interviews, and disciplinary actions
  - Responsible for a \$350,000 sales territory and in charge of roughly \$1.7 million in total branch sales
  - In charge of leading weekly safety, plant health care, lawn, and sales meetings
- 2016 (Spring) Teaching Assistant, Sensory Gardening, University of Florida
- Assisted with a variety of labs related to horticulture and human senses
  - Chaperoned students to the Tropical Plant International Expo in Fort Lauderdale
- 2014-2016 Research Assistant, University of Florida
- Managed multiple research projects and authored several articles pertaining to urban tree risk assessment
- 2014 (Spring) Chainsaw Safety Training, Western Illinois University
- Instructed undergraduate classes on chain saw safety, proper use, and appropriate personal protective equipment
- 2005-2014 Foreman, Wilson Landscaping & Nursery
- Planted, maintained, and harvested nursery stock
  - Specialized in construction of patios, ponds and retaining walls
  - Operated all heavy equipment/plowed snow during the winter months
- 2008-2010 Commercial Truck Driver, Miltran, Inc.
- Managed regular delivery of dairy products in Illinois
  - Maintained multiple certifications required to operate commercial-sized trucks
- 2004-2005 Ground Crew, A-Plus Tree Service
- Chipped brush, operated a chainsaw, ground stumps

## CERTIFICATIONS

- 2019-Present International Society of Arboriculture (ISA) Tree Risk Assessment Qualification (TRAQ)
- 2019-Present Quantified Tree Risk Assessment (QTRA) Certified
- 2017-Present Massachusetts Certified Arborist
- 2017-2018 Massachusetts Pesticide Applicators Certification/License
- 2015-Present Certified Arborist, International Society of Arboriculture (ISA)

## PEER-REVIEWED PUBLICATIONS

- Klein, R.W.**, Dutton, C.L., and A.K. Koeser. (Submitted). Development of a low-cost traffic counter for assessing likelihood of impact for tree risk assessment. *Arboricultural Journal*.
- Klein, R.W.**, Koeser, A.K., Hauer, R.J., Miesbauer, J.W., Hansen, G., Warner, L., Dale, A., and J. Watt. (Submitted). Visual Estimation Accuracy of Tree Part Diameter and Fall Distance. *Journal of Forestry*.
- Klein, R.W.**, Koeser, A.K., Hauer, R.J., Miesbauer, J.W., Hansen, G., Warner, L., Dale, A., and J. Watt. (Submitted). Assessing the Consequences of Tree Failure. *Urban Forestry & Urban Greening*.
- Klein, R.W.**, Koeser, A.K., Hansen, G., Warner, L., Dale, A., and J. Watt. 2021. Professional Expertise and its Role in Risk Assessment. *Arboriculture & Urban Forestry*.
- Koeser, A.K., Smiley, E.T., Hauer, R.J., Kane, B., **Klein, R.W.**, Landry, S.M., and M. Sherwood. 2020. Can Professionals Gauge Likelihood of Failure? - Insights from Tropical Storm Matthew. *Urban Forestry & Urban Greening*. 52:126701.
- Klein, R.W.**, Koeser, A.K., Kane, B., Landry, S.M., Shields, H., Lloyd, S., and G. Hansen. 2020. Evaluating the Likelihood of Tree Failure in Naples, Florida (United States) Following Hurricane Irma. *Forests*. 11(5):485.
- Klein, R.W.**, Hauer, R.J., Koeser, A.K., and B. Bleicher. 2019. Impacts of Wire Basket Retention and Removal on *Fraxinus americana* 'Autumn Purple' Growth Nine Years After Transplanting. *Arboriculture & Urban Forestry*. 45(3):79-84.
- Klein, R.W.**, Koeser, A.K., Hauer, R.J., Hansen, G., and F. Escobedo. 2019. Risk Assessment and Risk Perception of Trees: A Review of Literature Relating to Arboriculture and Urban Forestry. *Arboriculture & Urban Forestry*. 45(1):23-33.

- Koeser, A.K., Hauer, R.J., **Klein, R.W.**, and J.W. Miesbauer. 2017. Assessment of Likelihood of Failure Using Limited Visual, Basic, and Advanced Assessment Techniques. *Urban Forestry & Urban Greening*. 1(24):71-9.
- Klein, R.W.**, Koeser, A.K., Hauer, R.J., Hansen, G., and F. Escobedo. 2016. Relationship between Perceived and Actual Occupancy Rates in Urban Settings. *Urban Forestry & Urban Greening*. 1(19):194-201.
- Koeser, A.K., **Klein, R.W.**, Hasing, G., and R.J. Northrop. 2015. Factors driving professional and public urban tree risk perception. *Urban Forestry & Urban Greening*. 14(4):968-974.
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## EXTENSION (EDIS) PUBLICATIONS

- Gilman, E.F., Watson, D.G., **Klein, R.W.**, Koeser, A.K., Hilbert, D.R., and D.C. Mclean. 2018. *Acacia auriculiformis*: Earleaf acacia. Southern Trees Fact Sheets. ENH163. Gainesville: University of Florida, Institute of Food and Agricultural Sciences. <http://edis.ifas.ufl.edu/st004>
- Gilman, E.F., Watson, D.G., **Klein, R.W.**, Koeser, A.K., Hilbert, D.R., and D.C. Mclean. 2018. *Acer floridanum*: Florida maple. Southern Trees Fact Sheets. ENH166. Gainesville: University of Florida, Institute of Food and Agricultural Sciences. <http://edis.ifas.ufl.edu/st007>
- Gilman, E.F., Watson, D.G., **Klein, R.W.**, Koeser, A.K., Hilbert, D.R., and D.C. Mclean. 2018. *Acer negundo*: Boxelder. Southern Trees Fact Sheets. ENH180. Gainesville: University of Florida, Institute of Food and Agricultural Sciences. <https://edis.ifas.ufl.edu/st020>
- Gilman, E.F., Watson, D.G., **Klein, R.W.**, Koeser, A.K., Hilbert, D.R., and D.C. Mclean. 2018. *Acer rubrum*: Red maple. Southern Trees Fact Sheets. ENH200. Gainesville: University of Florida, Institute of Food and Agricultural Sciences. <http://edis.ifas.ufl.edu/st041>
- Gilman, E.F., Watson, D.G., **Klein, R.W.**, Koeser, A.K., Hilbert, D.R., and D.C. Mclean. 2018. *Acer saccharinum*: Silver maple. Southern Trees Fact Sheets. ENH207. Gainesville: University of Florida, Institute of Food and Agricultural Sciences. <http://edis.ifas.ufl.edu/st048>
- Gilman, E.F., Watson, D.G., **Klein, R.W.**, Koeser, A.K., Hilbert, D.R., and D.C. Mclean. 2018. *Aesculus pavia*: Red buckeye. Southern Trees Fact Sheets. FP294. Gainesville: University of Florida, Institute of Food and Agricultural Sciences. <https://edis.ifas.ufl.edu/st064>
- Gilman, E.F., Watson, D.G., **Klein, R.W.**, Koeser, A.K., Hilbert, D.R., and D.C. Mclean. 2018. *Araucaria heterophylla*: Norfolk Island-pine. Southern Trees Fact Sheets. ENH242. Gainesville: University of Florida, Institute of Food and Agricultural Sciences. <http://edis.ifas.ufl.edu/st083>
- Gilman, E.F., Watson, D.G., **Klein, R.W.**, Koeser, A.K., Hilbert, D.R., and D.C. Mclean. 2018. *Baccharis halimifolia*: Saltbush. Shrubs Sheets. FPS58. Gainesville: University of Florida, Institute of Food and Agricultural Sciences. <http://edis.ifas.ufl.edu/fp058>
- Gilman, E.F., Watson, D.G., **Klein, R.W.**, Koeser, A.K., Hilbert, D.R., and D.C. Mclean. 2018. *Bauhinia variegata*: Orchid tree. Southern Trees Fact Sheets. ENH251. Gainesville: University of Florida, Institute of Food and Agricultural Sciences. <https://edis.ifas.ufl.edu/st092>
- Gilman, E.F., Watson, D.G., **Klein, R.W.**, Koeser, A.K., Hilbert, D.R., and D.C. Mclean. 2018. *Beaucarnea recurvata*: Ponytail palm. Southern Trees Fact Sheets. ENH252. Gainesville: University of Florida, Institute of Food and Agricultural Sciences. <http://edis.ifas.ufl.edu/st093>
- Gilman, E.F., Watson, D.G., **Klein, R.W.**, Koeser, A.K., Hilbert, D.R., and D.C. Mclean. 2018. *Betula nigra*: River birch. Southern Trees Fact Sheets. ENH253. Gainesville: University of Florida, Institute of Food and Agricultural Sciences. <http://edis.ifas.ufl.edu/st094>
- Gilman, E.F., Watson, D.G., **Klein, R.W.**, Koeser, A.K., Hilbert, D.R., and D.C. Mclean. 2018. *Bischofia javanica*: Bishopwood. Southern Trees Fact Sheets. ENH259. Gainesville: University of Florida, Institute of Food and Agricultural Sciences. <http://edis.ifas.ufl.edu/st100>
- Gilman, E.F., Watson, D.G., **Klein, R.W.**, Koeser, A.K., Hilbert, D.R., and D.C. Mclean. 2018. *Bursera simaruba*: Gumbo limbo. Southern Trees Fact Sheets. ENH263. Gainesville: University of Florida, Institute of Food and Agricultural Sciences. <http://edis.ifas.ufl.edu/st104>
- Gilman, E.F., Watson, D.G., **Klein, R.W.**, Koeser, A.K., Hilbert, D.R., and D.C. Mclean. 2018. *Caesalpinia granadillo*: Bridalveil tree. Southern Trees Fact Sheets. ENH265. Gainesville: University of Florida, Institute of Food and Agricultural Sciences. (<http://edis.ifas.ufl.edu/st106>)

- Gilman, E.F., Watson, D.G., **Klein, R.W.**, Koeser, A.K., Hilbert, D.R., and D.C. Mclean. 2018. *Callistemon viminalis*: Weeping Bottlebrush. Southern Trees Fact Sheets. ENH270 Gainesville: University of Florida, Institute of Food and Agricultural Sciences. <http://edis.ifas.ufl.edu/st111>
- Gilman, E.F., Watson, D.G., **Klein, R.W.**, Koeser, A.K., Hilbert, D.R., and D.C. Mclean. 2018. *Canella winterana*: Cinnamon bark. Shrubs Fact Sheets. FPS101. Gainesville: University of Florida, Institute of Food and Agricultural Sciences. <https://edis.ifas.ufl.edu/fp101>
- Gilman, E.F., Watson, D.G., **Klein, R.W.**, Koeser, A.K., Hilbert, D.R., and D.C. Mclean. 2018. *Carica papaya*: Papaya. Shrubs Fact Sheets. FPS106. Gainesville: University of Florida, Institute of Food and Agricultural Sciences. <http://edis.ifas.ufl.edu/fp106>
- Gilman, E.F., Watson, D.G., **Klein, R.W.**, Koeser, A.K., Hilbert, D.R., and D.C. Mclean. 2018. *Carpinus caroliniana*: American hornbeam. Southern Trees Fact Sheets. ENH279. Gainesville: University of Florida, Institute of Food and Agricultural Sciences. <http://edis.ifas.ufl.edu/st120>
- Gilman, E.F., Watson, D.G., **Klein, R.W.**, Koeser, A.K., Hilbert, D.R., and D.C. Mclean. 2018. *Carya glabra*: Pignut hickory. Southern Trees Fact Sheets. ENH280. Gainesville: University of Florida, Institute of Food and Agricultural Sciences. <http://edis.ifas.ufl.edu/st121>
- Gilman, E.F., Watson, D.G., **Klein, R.W.**, Koeser, A.K., Hilbert, D.R., and D.C. Mclean. 2018. *Carya illinoensis*: Pecan. Southern Trees Fact Sheets. ENH281. Gainesville: University of Florida, Institute of Food and Agricultural Sciences. <http://edis.ifas.ufl.edu/st122>
- Gilman, E.F., Watson, D.G., **Klein, R.W.**, Koeser, A.K., Hilbert, D.R., and D.C. Mclean. 2018. *Caryota mitis*: Fishtail palm. Southern Trees Fact Sheets. ENH283. Gainesville: University of Florida, Institute of Food and Agricultural Sciences. <http://edis.ifas.ufl.edu/st124>
- Gilman, E.F., Watson, D.G., **Klein, R.W.**, Koeser, A.K., Hilbert, D.R., and D.C. Mclean. 2018. *Cassia fistula*: Golden shower. Southern Trees Fact Sheets. ENH286. Gainesville: University of Florida, Institute of Food and Agricultural Sciences. <http://edis.ifas.ufl.edu/st127>
- Gilman, E.F., Watson, D.G., **Klein, R.W.**, Koeser, A.K., Hilbert, D.R., and D.C. Mclean. 2018. *Casuarina* spp.: Australian-pine. Southern Trees Fact Sheets. ENH288. Gainesville: University of Florida, Institute of Food and Agricultural Sciences. <http://edis.ifas.ufl.edu/st129>
- Gilman, E.F., Watson, D.G., **Klein, R.W.**, Koeser, A.K., Hilbert, D.R., and D.C. Mclean. 2018. *Catalpa* spp.: Catalpa. Southern Trees Fact Sheets. ENH289. Gainesville: University of Florida, Institute of Food and Agricultural Sciences. <http://edis.ifas.ufl.edu/st130>
- Gilman, E.F., Watson, D.G., **Klein, R.W.**, Koeser, A.K., Hilbert, D.R., and D.C. Mclean. 2018. *Celtis laevigata*: Sugarberry. Southern Trees Fact Sheets. ENH297. Gainesville: University of Florida, Institute of Food and Agricultural Sciences. <http://edis.ifas.ufl.edu/st138>
- Gilman, E.F., Watson, D.G., **Klein, R.W.**, Koeser, A.K., Hilbert, D.R., and D.C. Mclean. 2018. *Cercis canadensis*: Eastern redbud. Southern Trees Fact Sheets. ENH304. Gainesville: University of Florida, Institute of Food and Agricultural Sciences. <http://edis.ifas.ufl.edu/st145>
- Gilman, E.F., Watson, D.G., **Klein, R.W.**, Koeser, A.K., Hilbert, D.R., and D.C. Mclean. 2018. *Chamaerops humilis*: European fan palm. Shrubs Fact Sheets. FPS123. Gainesville: University of Florida, Institute of Food and Agricultural Sciences. <http://edis.ifas.ufl.edu/fp123>
- Gilman, E.F., Watson, D.G., **Klein, R.W.**, Koeser, A.K., Hilbert, D.R., and D.C. Mclean. 2018. *Chionanthus virginicus*: Fringetree. Southern Trees Fact Sheets. ENH320. Gainesville: University of Florida, Institute of Food and Agricultural Sciences. <http://edis.ifas.ufl.edu/st161>
- Gilman, E.F., Watson, D.G., **Klein, R.W.**, Koeser, A.K., Hilbert, D.R., and D.C. Mclean. 2018. *Chorisia speciosa*: Silk-floss tree. Southern Trees Fact Sheets. ENH323. Gainesville: University of Florida, Institute of Food and Agricultural Sciences. <https://edis.ifas.ufl.edu/st164>
- Gilman, E.F., Watson, D.G., **Klein, R.W.**, Koeser, A.K., Hilbert, D.R., and D.C. Mclean. 2018. *Chrysophyllum oliviforme*: Satinleaf. Southern Trees Fact Sheets. ENH325. Gainesville: University of Florida, Institute of Food and Agricultural Sciences. <http://edis.ifas.ufl.edu/st166>
- Gilman, E.F., Watson, D.G., **Klein, R.W.**, Koeser, A.K., Hilbert, D.R., and D.C. Mclean. 2018. *Cinnamomum camphora*: Camphor-tree. Southern Trees Fact Sheets. ENH326. Gainesville: University of Florida, Institute of Food and Agricultural Sciences. <http://edis.ifas.ufl.edu/st167>

- Gilman, E.F., Watson, D.G., **Klein, R.W.**, Koeser, A.K., Hilbert, D.R., and D.C. Mclean. 2018. *Citharexylum spinosum*: Fiddlewood. Shrub Facts Sheets. FPS130. Gainesville: University of Florida, Institute of Food and Agricultural Sciences. <http://edis.ifas.ufl.edu/fp130>
- Gilman, E.F., Watson, D.G., **Klein, R.W.**, Koeser, A.K., Hilbert, D.R., and D.C. Mclean. 2018. *Clusia rosea*: Pitch apple. Southern Trees Fact Sheets. ENH331. Gainesville: University of Florida, Institute of Food and Agricultural Sciences. <http://edis.ifas.ufl.edu/st172>
- Gilman, E.F., Watson, D.G., **Klein, R.W.**, Koeser, A.K., Hilbert, D.R., and D.C. Mclean. 2018. *Coccoloba diversifolia*: Pigeon plum. Southern Trees Fact Sheets. ENH333. Gainesville: University of Florida, Institute of Food and Agricultural Sciences. <http://edis.ifas.ufl.edu/st174>
- Gilman, E.F., Watson, D.G., **Klein, R.W.**, Koeser, A.K., Hilbert, D.R., and D.C. Mclean. 2018. *Coccoloba uvifera*: Seagrape. Southern Trees Fact Sheets. ENH334. Gainesville: University of Florida, Institute of Food and Agricultural Sciences. <http://edis.ifas.ufl.edu/st175>
- Gilman, E.F., Watson, D.G., **Klein, R.W.**, Koeser, A.K., Hilbert, D.R., and D.C. Mclean. 2018. *Coccothrinax crinita*: Old man palm. Shrubs Fact Sheets. FPS133. Gainesville: University of Florida, Institute of Food and Agricultural Sciences. <http://edis.ifas.ufl.edu/fp133>
- Gilman, E.F., Watson, D.G., **Klein, R.W.**, Koeser, A.K., Hilbert, D.R., and D.C. Mclean. 2018. *Conocarpus erectus*: Buttonwood. Southern Trees Fact Sheets. ENH338. Gainesville: University of Florida, Institute of Food and Agricultural Sciences. <http://edis.ifas.ufl.edu/st179>
- Gilman, E.F., Watson, D.G., **Klein, R.W.**, Koeser, A.K., Hilbert, D.R., and D.C. Mclean. 2018. *Conocarpus erectus* var. *sericeus*: Silver buttonwood. Southern Trees Fact Sheets. ENH339. Gainesville: University of Florida, Institute of Food and Agricultural Sciences. <http://edis.ifas.ufl.edu/st180>
- Gilman, E.F., Watson, D.G., **Klein, R.W.**, Koeser, A.K., Hilbert, D.R., and D.C. Mclean. 2018. *Cordia boissieri*: Texas olive. Southern Trees Fact Sheets. ENH340. Gainesville: University of Florida, Institute of Food and Agricultural Sciences. <http://edis.ifas.ufl.edu/st181>
- Gilman, E.F., Watson, D.G., **Klein, R.W.**, Koeser, A.K., Hilbert, D.R., and D.C. Mclean. 2018. *Cordia sebestena*: Geiger tree. Southern Trees Fact Sheets. ENH341. Gainesville: University of Florida, Institute of Food and Agricultural Sciences. <http://edis.ifas.ufl.edu/st182>
- Gilman, E.F., Watson, D.G., **Klein, R.W.**, Koeser, A.K., Hilbert, D.R., and D.C. Mclean. 2018. *Cornus florida*: Flowering dogwood. Southern Trees Fact Sheets. ENH344. Gainesville: University of Florida, Institute of Food and Agricultural Sciences. <http://edis.ifas.ufl.edu/st185>
- Gilman, E.F., Watson, D.G., **Klein, R.W.**, Koeser, A.K., Hilbert, D.R., and D.C. Mclean. 2018. *Crescentia cujete*: Calabash. Southern Trees Fact Sheets. ENH375. Gainesville: University of Florida, Institute of Food and Agricultural Sciences. <http://edis.ifas.ufl.edu/st216>
- Gilman, E.F., Watson, D.G., **Klein, R.W.**, Koeser, A.K., Hilbert, D.R., and D.C. Mclean. 2018. *Cupaniopsis anacardioides*: Carrotwood. Southern Trees Fact Sheets. ENH380. Gainesville: University of Florida, Institute of Food and Agricultural Sciences. <http://edis.ifas.ufl.edu/st221>
- Gilman, E.F., Watson, D.G., **Klein, R.W.**, Koeser, A.K., Hilbert, D.R., and D.C. Mclean. 2018. *Cupressus sempervirens*: Italian cypress. Southern Trees Fact Sheets. ENH384. Gainesville: University of Florida, Institute of Food and Agricultural Sciences. <http://edis.ifas.ufl.edu/st225>
- Gilman, E.F., Watson, D.G., **Klein, R.W.**, Koeser, A.K., Hilbert, D.R., and D.C. Mclean. 2018. *Dalbergia sissoo*: Indian rosewood. Southern Trees Fact Sheets. ENH386. Gainesville: University of Florida, Institute of Food and Agricultural Sciences. <http://edis.ifas.ufl.edu/st227>
- Gilman, E.F., Watson, D.G., **Klein, R.W.**, Koeser, A.K., Hilbert, D.R., and D.C. Mclean. 2018. *Delonix regia*: Royal poinciana. Southern Trees Fact Sheets. ENH387. Gainesville: University of Florida, Institute of Food and Agricultural Sciences. <http://edis.ifas.ufl.edu/st228>
- Gilman, E.F., Watson, D.G., **Klein, R.W.**, Koeser, A.K., Hilbert, D.R., and D.C. Mclean. 2018. *Diospyros virginiana*: Common persimmon. Southern Trees Fact Sheets. ENH390. Gainesville: University of Florida, Institute of Food and Agricultural Sciences. <http://edis.ifas.ufl.edu/st231>
- Gilman, E.F., Watson, D.G., **Klein, R.W.**, Koeser, A.K., Hilbert, D.R., and D.C. Mclean. 2018. *Eriobotrya japonica*: Loquat. Southern Trees Fact Sheets. ENH394. Gainesville: University of Florida, Institute of Food and Agricultural Sciences. <http://edis.ifas.ufl.edu/st235>

- Gilman, E.F., Watson, D.G., **Klein, R.W.**, Koeser, A.K., Hilbert, D.R., and D.C. Mclean. 2018. *Erythrina herbacea*: Coralbean. Shrubs Fact Sheets. FPS197. Gainesville: University of Florida, Institute of Food and Agricultural Sciences. <http://edis.ifas.ufl.edu/fp197>
- Gilman, E.F., Watson, D.G., **Klein, R.W.**, Koeser, A.K., Hilbert, D.R., and D.C. Mclean. 2018. *Eugenia foetida*: Spanish stopper. Shrubs Fact Sheets. FPS200. Gainesville: University of Florida, Institute of Food and Agricultural Sciences. <http://edis.ifas.ufl.edu/fp200>
- Gilman, E.F., Watson, D.G., **Klein, R.W.**, Koeser, A.K., Hilbert, D.R., and D.C. Mclean. 2018. *Ficus aurea*: Strangler fig. Southern Trees Fact Sheets. ENH409. Gainesville: University of Florida, Institute of Food and Agricultural Sciences. <http://edis.ifas.ufl.edu/st250>
- Gilman, E.F., Watson, D.G., **Klein, R.W.**, Koeser, A.K., Hilbert, D.R., and D.C. Mclean. 2018. *Ficus benjamina*: Weeping fig. Southern Trees Fact Sheets. ENH410. Gainesville: University of Florida, Institute of Food and Agricultural Sciences. <http://edis.ifas.ufl.edu/st251>
- Gilman, E.F., Watson, D.G., **Klein, R.W.**, Koeser, A.K., Hilbert, D.R., and D.C. Mclean. 2018. *Ficus elastica*: Rubber tree. Southern Trees Fact Sheets. ENH411. Gainesville: University of Florida, Institute of Food and Agricultural Sciences. <http://edis.ifas.ufl.edu/st252>
- Gilman, E.F., Watson, D.G., **Klein, R.W.**, Koeser, A.K., Hilbert, D.R., and D.C. Mclean. 2018. *Ficus lyrata*: Fiddleleaf fig. Southern Trees Fact Sheets. ENH413. Gainesville: University of Florida, Institute of Food and Agricultural Sciences. <http://edis.ifas.ufl.edu/st254>
- Gilman, E.F., Watson, D.G., **Klein, R.W.**, Koeser, A.K., Hilbert, D.R., and D.C. Mclean. 2018. *Forestiera segregata*, Florida privet. Shrubs Facts Sheets. FPS213. Gainesville: University of Florida, Institute of Food and Agricultural Sciences. <http://edis.ifas.ufl.edu/fp213>
- Gilman, E.F., Watson, D.G., **Klein, R.W.**, Koeser, A.K., Hilbert, D.R., and D.C. Mclean. 2018. *Fraxinus pennsylvanica*: Green ash. Southern Trees Fact Sheets. ENH425 Gainesville: University of Florida, Institute of Food and Agricultural Sciences. <http://edis.ifas.ufl.edu/st266>
- Gilman, E.F., Watson, D.G., **Klein, R.W.**, Koeser, A.K., Hilbert, D.R., and D.C. Mclean. 2018. *Ginkgo biloba*: Ginkgo. Southern Trees Fact Sheets. ENH432 Gainesville: University of Florida, Institute of Food and Agricultural Sciences. <http://edis.ifas.ufl.edu/st273>
- Gilman, E.F., Watson, D.G., **Klein, R.W.**, Koeser, A.K., Hilbert, D.R., and D.C. Mclean. 2018. *Grevillea robusta*: Silk-oak. Southern Trees Fact Sheets. ENH444 Gainesville: University of Florida, Institute of Food and Agricultural Sciences. <http://edis.ifas.ufl.edu/st285>
- Gilman, E.F., Watson, D.G., **Klein, R.W.**, Koeser, A.K., Hilbert, D.R., and D.C. Mclean. 2018. *Guaiacum sanctum*: Lignum Vitae. Southern Trees Fact Sheets. ENH445 Gainesville: University of Florida, Institute of Food and Agricultural Sciences. <http://edis.ifas.ufl.edu/st286>
- Gilman, E.F., Watson, D.G., **Klein, R.W.**, Koeser, A.K., Hilbert, D.R., and D.C. Mclean. 2018. *Handroanthus chrysotrichus*: Golden trumpet tree. Southern Trees Fact Sheets. ENH772 Gainesville: University of Florida, Institute of Food and Agricultural Sciences. <http://edis.ifas.ufl.edu/st614>
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- Gilman, E.F., Watson, D.G., **Klein, R.W.**, Koeser, A.K., Hilbert, D.R., and D.C. Mclean. 2018. *Viburnum obovatum*: Walter's viburnum. Shrubs Fact Sheets. FPS604 Gainesville: University of Florida, Institute of Food and Agricultural Sciences. <http://edis.ifas.ufl.edu/fp604>
- Gilman, E.F., Watson, D.G., **Klein, R.W.**, Koeser, A.K., Hilbert, D.R., and D.C. Mclean. 2018. *Viburnum odoratissimum* var. *awabuki*: Awabuki sweet viburnum. Southern Trees Fact Sheets. ENH817 Gainesville: University of Florida, Institute of Food and Agricultural Sciences. <http://edis.ifas.ufl.edu/st660>
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- Gilman, E.F., **Klein, R.W.**, and G. Hansen. 2018. *Abelia x grandiflora* 'Edward Goucher': Edward Goucher Glossy Abelia. Shrubs Fact Sheets. FPS002 Gainesville: University of Florida, Institute of Food and Agricultural Sciences. <http://edis.ifas.ufl.edu/fp002>
- Gilman, E.F., **Klein, R.W.**, and G. Hansen. 2018. *Abelia x grandiflora* 'Sherwoodii': Sherwoodii Glossy Abelia. Shrubs Fact Sheets. FPS003 Gainesville: University of Florida, Institute of Food and Agricultural Sciences. <http://edis.ifas.ufl.edu/fp003>
- Gilman, E.F., **Klein, R.W.**, and G. Hansen. 2018. *Acalypha hispida*: Chenille Plant. Shrubs Fact Sheets. FPS004 Gainesville: University of Florida, Institute of Food and Agricultural Sciences. <http://edis.ifas.ufl.edu/fp004>
- Gilman, E.F., **Klein, R.W.**, and G. Hansen. 2018. *Acalypha pendula*: Dwarf Chenille Plant. Shrubs Fact Sheets. FPS005 Gainesville: University of Florida, Institute of Food and Agricultural Sciences. <http://edis.ifas.ufl.edu/fp005>
- Gilman, E.F., **Klein, R.W.**, and G. Hansen. 2018. *Acalypha amentacea* subsp. *wilkesiana*: Copperleaf. Shrubs Fact Sheets. FPS006 Gainesville: University of Florida, Institute of Food and Agricultural Sciences. <http://edis.ifas.ufl.edu/fp006>
- Gilman, E.F., **Klein, R.W.**, and G. Hansen. 2018. *Acer japonicum* 'Vitifolium': Vitifolium Fullmoon Maple. Shrubs Fact Sheets. FPS008 Gainesville: University of Florida, Institute of Food and Agricultural Sciences. <http://edis.ifas.ufl.edu/fp008>
- Gilman, E.F., **Klein, R.W.**, and G. Hansen. 2018. *Acer palmatum* 'Bloodgood': Bloodgood Japanese Maple. Shrubs Fact Sheets. FPS009 Gainesville: University of Florida, Institute of Food and Agricultural Sciences. <http://edis.ifas.ufl.edu/fp009>
- Gilman, E.F., **Klein, R.W.**, and G. Hansen. 2018. *Adiantum* spp.: Maidenhair Fern. Shrubs Fact Sheets. FPS013 Gainesville: University of Florida, Institute of Food and Agricultural Sciences. <http://edis.ifas.ufl.edu/fp013>
- Gilman, E.F., **Klein, R.W.**, and G. Hansen. 2018. *Aechmea blanchetiana*: Bromeliad. Shrubs Fact Sheets. FPS014 Gainesville: University of Florida, Institute of Food and Agricultural Sciences. <http://edis.ifas.ufl.edu/fp014>
- Gilman, E.F., **Klein, R.W.**, and G. Hansen. 2018. *Aechmea distichantha*: Bromeliad. Shrubs Fact Sheets. FPS015 Gainesville: University of Florida, Institute of Food and Agricultural Sciences. <http://edis.ifas.ufl.edu/fp015>
- Gilman, E.F., **Klein, R.W.**, and G. Hansen. 2018. *Aechmea fasciata*: Silver Vase. Shrubs Fact Sheets. FPS016 Gainesville: University of Florida, Institute of Food and Agricultural Sciences. <http://edis.ifas.ufl.edu/fp016>
- Gilman, E.F., **Klein, R.W.**, and G. Hansen. 2018. *Aesculus parviflora*: Bottlebrush Buckeye. Shrubs Fact Sheets. FPS17 Gainesville: University of Florida, Institute of Food and Agricultural Sciences. <http://edis.ifas.ufl.edu/fp017>
- Gilman, E.F., **Klein, R.W.**, and G. Hansen. 2018. *Agapanthus orientalis*: Agapanthus, African Lily, Lily of the Nile. Shrubs Fact Sheets. FPS18 Gainesville: University of Florida, Institute of Food and Agricultural Sciences. <http://edis.ifas.ufl.edu/fp018>
- Gilman, E.F., **Klein, R.W.**, and G. Hansen. 2018. *Agave americana* 'Marginata': Variegated Century Plant. Shrubs Fact Sheets. FPS20 Gainesville: University of Florida, Institute of Food and Agricultural Sciences. <http://edis.ifas.ufl.edu/fp020>
- Gilman, E.F., **Klein, R.W.**, and G. Hansen. 2018. *Agave angustifolia*: Century Plant, Variegated Caribbean Agave. Shrubs Fact Sheets. FPS21 Gainesville: University of Florida, Institute of Food and Agricultural Sciences. <http://edis.ifas.ufl.edu/fp021>

- Gilman, E.F., **Klein, R.W.**, and G. Hansen. 2018. *Agave attenuate*: Spineless Century Plant. Shrubs Fact Sheets. FPS22 Gainesville: University of Florida, Institute of Food and Agricultural Sciences. <http://edis.ifas.ufl.edu/fp022>
- Gilman, E.F., **Klein, R.W.**, and G. Hansen. 2018. *Aglaonema modestum*: Chinese Evergreen. FPS25 Gainesville: University of Florida, Institute of Food and Agricultural Sciences. <http://edis.ifas.ufl.edu/fp025>
- Gilman, E.F., **Klein, R.W.**, and G. Hansen. 2018. *Ajuga reptans*: Common Bugle, Bugleweed, Carpet Bugleweed. FPS26 Gainesville: University of Florida, Institute of Food and Agricultural Sciences. <http://edis.ifas.ufl.edu/fp026>
- Gilman, E.F., **Klein, R.W.**, and G. Hansen. 2018. *Allamanda bolivianensis*: Bolivian Allamanda. FPS28 Gainesville: University of Florida, Institute of Food and Agricultural Sciences. <http://edis.ifas.ufl.edu/fp028>
- Gilman, E.F., **Klein, R.W.**, and G. Hansen. 2018. *Allamanda violacea*: Purple Allamanda. FPS32 Gainesville: University of Florida, Institute of Food and Agricultural Sciences. <http://edis.ifas.ufl.edu/fp032>
- Gilman, E.F., **Klein, R.W.**, and G. Hansen. 2018. *Alocasia* spp.: Elephant's Ear. FPS33 Gainesville: University of Florida, Institute of Food and Agricultural Sciences. <http://edis.ifas.ufl.edu/fp033>
- Gilman, E.F., **Klein, R.W.**, and G. Hansen. 2018. *Ananas comosus*: Pineapple. FPS039 Gainesville: University of Florida, Institute of Food and Agricultural Sciences. <http://edis.ifas.ufl.edu/fp039>
- Gilman, E.F., **Klein, R.W.**, and G. Hansen. 2018. *Ananas comosus* 'Variegatus': Variegated Pineapple. FPS41 Gainesville: University of Florida, Institute of Food and Agricultural Sciences. <http://edis.ifas.ufl.edu/fp041>
- Gilman, E.F., **Klein, R.W.**, and G. Hansen. 2018. *Anthurium andraeanum*: Tailflower, Flamingo Flower. FPS42 Gainesville: University of Florida, Institute of Food and Agricultural Sciences. <http://edis.ifas.ufl.edu/fp042>
- Gilman, E.F., **Klein, R.W.**, and G. Hansen. 2018. *Antirrhinum majus*: Snapdragon. FPS44 Gainesville: University of Florida, Institute of Food and Agricultural Sciences. <http://edis.ifas.ufl.edu/fp044>
- Gilman, E.F., **Klein, R.W.**, and G. Hansen. 2018. *Aptenia cordifolia*: Baby Sunrose. FPS47 Gainesville: University of Florida, Institute of Food and Agricultural Sciences. <http://edis.ifas.ufl.edu/fp047>
- Gilman, E.F., **Klein, R.W.**, and G. Hansen. 2018. *Ardisia escallonioides*: Marlberry. FPS48 Gainesville: University of Florida, Institute of Food and Agricultural Sciences. <http://edis.ifas.ufl.edu/fp048>
- Gilman, E.F., **Klein, R.W.**, and G. Hansen. 2018. *Asclepias curassavica*: Butterfly Weed, Milkweed, Silkweed. FPS49 Gainesville: University of Florida, Institute of Food and Agricultural Sciences. <http://edis.ifas.ufl.edu/fp049>
- Gilman, E.F., **Klein, R.W.**, and G. Hansen. 2018. *Asclepias tuberosa*: Butterflyweed, Indian Paintbrush. Shrubs Fact Sheets. FPS050 Gainesville: University of Florida, Institute of Food and Agricultural Sciences. <http://edis.ifas.ufl.edu/fp050>
- Gilman, E.F., **Klein, R.W.**, and G. Hansen. 2018. *Asparagus densiflorus* 'Sprengeri': Sprengeri Asparagus Fern. Shrubs Fact Sheets. FPS051 Gainesville: University of Florida, Institute of Food and Agricultural Sciences. <http://edis.ifas.ufl.edu/fp051>
- Gilman, E.F., **Klein, R.W.**, and G. Hansen. 2018. *Asparagus densiflorus* 'Myers': Myers Asparagus Fern. Shrubs Fact Sheets. FPS52 Gainesville: University of Florida, Institute of Food and Agricultural Sciences. <http://edis.ifas.ufl.edu/fp052>

## TRADE PUBLICATIONS

- Klein, R.W.** Professionalism and the Assessment of Consequences of Tree Failure. Student 360°: Reflections from the ISA 2020 Conference. Arboricultural Research and Education Academy (AREA) Newsletter March 2021, Volume 16, Issue 1.
- Hilbert, D.R., **Klein, R.W.**, Koeser, A.K., Hauer, R.J., and McLean, D.C. 2019. 15 Years of TREE Fund Research Grant Program. Arborist News. 28(6):32-35.

## INVITED PRESENTATIONS

- 2021 **Klein, R.W.** Trees & Risk: The Accuracy of Assessments & the Influence of Perception. Master Gardner Webinar series: Lunch "N" Learn. Virtual, July 14, 2021.

- 2021 **Klein, R.W.** The Damaging Effects of Hurricanes on Urban Tree Survivability. Florida Friendly Landscape Professional Landscape Webinar Series. Virtual, July 13, 2021.
- 2021 **Klein, R.W.** Tree Planting BMP's: Site Selection to Establishment in the Landscape. Trees Florida Conference. Breakout Session. Palm Coast, Florida, June 8, 2021.
- 2021 **Klein, R.W.** Research Introduction – Klein Arboriculture Lab Plans. Trees Florida Conference. Breakout Session. Palm Coast, Florida, June 8, 2021.
- 2021 **Klein, R.W.** Research Introduction – Klein Arboriculture Lab Plans. Trees Florida Conference. Breakout Session. Palm Coast, Florida, June 9, 2021.
- 2021 **Klein, R.W.** Trees, Risk, and the Urban Forests of the Future. Landscape Inspectors Association of Florida (LIAF) Meeting: Educational Session. Virtual, April 29, 2021.
- 2021 **Klein, R.W.** Helping Trees Succeed in the Urban Landscape. Florida Master Gardner Volunteers Webinar. Virtual, April 22, 2021. (350 attendees)
- 2021 **Klein, R.W.** Tree Risk Assessment and Future Solutions Through Research and Sustainable Urban Design. Western Illinois University, FOR 407 Urban Forest Management; Guest Lecturer. Virtual, April 1, 2021.
- 2021 **Klein, R.W.** Tree Risk Assessment: A Crash Course Using the ISA TRAQ Method. University of Florida, FOR 4090c Urban Forestry: Guest lecturer. Gainesville, Florida, March 23, 2021.
- 2021 **Klein, R.W.** Tree Risk Assessment and its Impact on Future Approaches to Urban Resource Management. Florida Urban Forestry Council: Urban Forestry Institute – Future Urban Forests: Balance for Success. Virtual, March 11-12, 2021.
- 2021 **Klein, R.W.** Tree Risk Assessment and the Impact of Risk Perception. North Carolina Urban Forestry Council: Urban Forestry Webinar Series. Virtual, February 24, 2021.
- 2021 **Klein, R.W.** and Koeser, A.K. Poster: Assessing Tree Failures in Severe Winds – Implications for Crown Defects. Institute of Chartered Foresters: Trees, People and the Built Environment 4 - International Urban Trees Research Conference. Virtual, February 3-4, 2021.
- 2021 **Klein, R.W.** Methods for Properly Pruning Shade Trees, Palms, Shrubs, and Crepe Myrtle. National Garden Clubs: Environmental, Gardening and Landscape Design Schools - Pruning Techniques. Virtual, January 27, 2021.
- 2020 **Klein, R.W.**, Koeser, A.K., Hauer, R.J., Miesbauer, J.W., Hansen, G., Warner, L., Dale, A., and J. Watt. Professionalism and the Assessment of Consequences of Tree Failure. International Society of Arboriculture International Conference: AREA Student Presentation. Virtual, December 15-17, 2020.
- 2020 **Klein, R.W.** Selecting Hurricane Resilient Trees for the Urban Landscape. City of Gainesville Urban Forestry Workshop Webinar. Virtual, December 4, 2020.
- 2020 **Klein, R.W.**, Koeser, A.K., Shields, H., Lloyd, S., Hansen, G., Kane, B., and Landry, S. Evaluating the Likelihood of Tree Failure in Naples Florida Following Hurricane Irma. IUFRO 2020 Wind and Trees Conference. Rotorua, New Zealand, February 24-28, 2020.
- 2019 **Klein, R.W.**, Koeser, A.K., Shields, H., and S. Lloyd. Poster: Evaluating the Likelihood of Tree Failure in Naples Florida Following Hurricane Irma. The 53rd Arboricultural Association National Amenity Conference: Crown & Canopy Management. Exeter, United Kingdom, September 8-11, 2019.
- 2019 **Klein, R.W.**, Koeser, A.K., Hauer, R.J., and J.W. Miesbauer. Poster: Gauging Arborists' Ability to Assess the Consequences of Tree Failure. International Society of Arboriculture International Conference. Knoxville, Tennessee, August 11-14, 2019.
- 2019 **Klein, R.W.** Low Cost-Tech and No Tech Solutions for Assessing Likelihood of Impact for Tree Risk Assessment. University of Florida, FOR 4090c Urban Forestry: Guest lecturer. Gainesville, Florida, March 26, 2019.
- 2018 **Klein, R.W.** and Koeser, A.K. (Keynote Speaker) Tree Planting BMP's and the Impacts of Wire Basket Removal on Tree Survival and Stability. Wisconsin Arborist Association Fall Conference. West Bend, Wisconsin, November 1, 2018.
- 2018 **Klein, R.W.** and Koeser, A.K. Professional Landscape Management School. Remove or Retain? Impacts of Wire Basket Removal on Tree Survival and Stability. University of Southern Indiana. Evansville, Indiana, January 25, 2018.
- 2016 **Klein, R.W.**, Koeser, A.K., Hauer, R.J., Hansen, G., and F. Escobedo. Relationship between Perceived and Actual Occupancy Rates in Urban Settings. International Society of Arboriculture International Conference: AREA Student Presentation. Fort Worth, Texas, August 17, 2016.

- 2016 **Klein, R.W.**, Koeser, A.K., Hauer, R.J., Hansen, G., and F. Escobedo (Poster Presentation Winner). Urban Landscape Summit: Poster - Relationship between Perceived and Actual Occupancy Rates in Urban Settings. Gainesville, Florida, March 23, 2016.
- 2015 **Klein, R.W.** Tree Risk Assessments – Time to Test the Tools. Survey: Relationship between Perceived and Actual Occupancy Rates in Urban Settings. Wisconsin Arborist Association Fall Conference. Milwaukee, Wisconsin, October 15, 2015.
- 2015 **Klein, R.W.** Perceived and Actual Occupancy Rates for Urban Settings. University of Florida, FOR 4090c Urban Forestry: Guest lecturer. Gainesville, Florida, March 12, 2015.
- 2014 **Klein, R.W.** Arbor day presentation and Tree Planting. Lincoln Elementary School: Guest Speaker. Princeton, Illinois, April 25, 2014.
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## CONTRIBUTED PRESENTATIONS

- 2015 Koeser, A.K., R.J. Hauer, J. Miesbauer, and **R.W. Klein**. Workshop: Tree Risk Assessments – Time to Test the Tools. Wisconsin Arborist Association Fall Conference. Milwaukee, Wisconsin, October 15, 2015.
- 2015 Koeser, A.K. and **R.W. Klein**. (Keynote Address) Tree Risk Assessments – Methods and Approaches. Wisconsin Arborist Association Fall Conference. Milwaukee, Wisconsin, October 15, 2015.
- 2015 Koeser, A.K., McLean, D.C., **Klein, R.W.**, Hasing, G., and R.J. Northrop. Poster: Urban Tree Risk: A Comparison of Professional and Public Perceptions. International Society of Arboriculture Annual Conference. Orlando, Florida, August 11, 2015.
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## ACTIVITIES

- 2021-Present Member, Urban Forestry Community of Practice
- Discuss opportunities for urban forestry and arboricultural research, extension, and education throughout Florida
- 2021-Present Member, Gainesville Tree Advisory board
- Discuss current tree related issues within the city and make recommendations based on the consensus of the board
- 2020-Present Vice President, Arboricultural Research and Education Academy (AREA)
- Coordinate the support for research and educational efforts in arboriculture and urban forestry
- 2020-Present Florida Chapter of the International Society of Arboriculture (ISA) Educational Board
- Develop industry training and education events throughout Florida related to arboriculture and urban forestry
- 2019-2020 Student Member, Gainesville Tree Advisory board
- Discuss current tree related issues within the city and make recommendations based on the consensus of the board
  - Inform the community on current tree related issues through outreach programs
- 2018-2019 University of Florida Student Chapter of the International Society of Arboriculture (ISA)
- Attend meetings related relevant arboricultural issues
- 2015-2019 Volunteer, Howard T. Odum Florida Springs Institute
- Partake in citizen-based science data collection of water quality and ecological parameters
  - Take part in spring's related fundraisers and outreach events
  - Assist in maintenance of the Institute's Environmental Center
- 2015-2016 American Water Resources Association, University of Florida Chapter
- Participated in a variety of water related environmental clean-ups
  - Attended informational sessions regarding water resource related projects and technologies within the state of Florida
- 2013-2014 Forestry Club, Western Illinois University

- Trained students in arboriculture and resident tree care and maintenance
  - Performed residential tree care and maintenance
- 2013-2014 Agricultural Council, Western Illinois University
- Planned fundraisers and promoted departmental awareness of sustainable agricultural practices
  - Reported the activities of the Forestry club
- 2013-2014 Study Abroad in India, Navdanya Organic Research Farm
- Participated in a variety of activities related to organic farming including plant harvesting and quality control, plant care, and pest control

## AWARDS

2020	AREA Student Research Grant (\$750)
2020	Jasper Joiner Travel Scholarship (\$300)
Spring 2019	Florida Chapter of the ISA John P. White Memorial Scholarship (\$1,250)
2019	University of Florida Gulf Coast Research and Education Center Travel Grant (\$500)
2019	College of Agricultural and Life Sciences Edgar A. Martin Scholarship (\$1,500)
2019	ISA Student Ambassador - ISA Annual International Conference (\$550)
2019	National Horticulture Foundation/FNGLA James H. Davis Memorial Scholarship (\$2,000)
2018	College of Agricultural and Life Sciences William C. and Bertha M. Cornett Fellowship (\$1,500)
2016	ISA and AREA Student Travel Grant-Award Winner (\$500)
2016	Urban Landscape Summit Poster Presentation Winner (\$1,000)
Fall 2015	Florida Chapter of the ISA John P. White Memorial Scholarship (\$500)
Spring 2015	Florida Chapter of the ISA John P. White Memorial Scholarship (\$500)
2015	Garden Club of America Zone VI Fellowship in Urban Forestry (\$5,000)
Spring 2014	Bartlett Arboriculture Scholarship (\$1,500)
Spring 2014	Dean's List Western Illinois University
Fall 2013	Dean's List, Western Illinois University
Fall 2013	Davey Arbor Grant (\$1,000)
Fall 2013	John Reeves Scholarship Recipient (\$800)
Fall 2013	Bartlett Arboriculture Scholarship (\$1,500)
Spring 2013	Bartlett Arboriculture Scholarship (\$1,500)
Spring 2013	Dean's List, Western Illinois University
Fall 2012	Dean's List, Western Illinois University

## GRANTS

2021-2022	Urban Forestry Stewardship: Teaching Volunteers How to Structurally Prune Young Trees. Center for Landscape Use Efficiency (CLUE) Graduate Student Support \$21,333.33
2021	Urban Forest Hurricane Extension Update Project. USDA, Florida Forest Service \$53,067.00
2019	Tree Risk Assessment Training: QTRA – Bath, UK. CLCE: Graduate Student Funding \$4271.33
2018-2019	Trees and Natural Disasters: Improving Estimates of Likelihood of Impact, Likelihood of Failure, and Consequences of Failure in Professional Risk Assessments. Early Career Scientist Seed Grant: Graduate Student Funding \$48,488 (Assisted with as a graduate student)
2015-2016	Urban Tree Risk Assessment: Perceptions, Reality, and Reliability: Perceived and Actual Occupancy Rates for Urban Settings and Impact of Assessor on Risk Assessment Method Outcomes. CLCE: Graduate Student Funding \$10,000 (Assisted with as a graduate student)
2014-2015	Urban Tree Risk Assessment: Perceptions, Reality, and Reliability: Perceived and Actual Occupancy Rates for Urban Settings and Impact of Assessor on Risk Assessment Method Outcomes. CLCE: Graduate Student Funding \$10,000 (Assisted with as a graduate student)

- 2014-2016 Urban Tree Risk Assessment: Perceptions, Reality, and Reliability: Perceived and Actual Occupancy Rates for Urban Settings and Impact of Assessor on Risk Assessment Method Outcomes. Tree Fund: Jack Kimmel International Grant \$9,996 (Assisted with as a graduate student)
- 2014-2016 Urban Tree Risk Assessment: Perceptions, Reality, and Reliability: Perceived and Actual Occupancy Rates for Urban Settings and Impact of Assessor on Risk Assessment Method Outcomes. Florida ISA \$5,000 (Assisted with as a graduate student)
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## PROFESSIONAL MEMBERSHIPS

- 2017-Present Massachusetts Arborist Association
- 2015-Present Arboricultural Research and Education Academy (AREA)
- 2015-Present Florida Chapter of the International Society of Arboriculture (ISA)
- 2015-Present International Society of Arboriculture (ISA)
- 2015-Present Society of Commercial Arboriculture
- 2015-Present Society of Municipal Arborists
- 2015-Present Utility Arborist Association