

## CURRICULUM VITAE

**Chad Michael Rigsby, Ph.D.**

Research Scientist – Tree Physiology and Biochemistry

The Bartlett Tree Research Laboratories  
The Morton Arboretum  
Lisle, IL 60532

Cell: (224)-283-1480  
Email: crigsby@bartlettlab.com

---

### Education

- 2016 Ph.D., Environmental Sciences, Wright State University, Dayton, OH  
2011 B.S., Biology, Wittenberg University, Springfield, OH

### Current Areas of Research, Interests, and Expertise

- Tree Stress Physiology and Biochemistry
- Tree-Insect Biochemical, Physiological, and Ecological Interactions
- Tree Resistance to Pests and Pathogens
- Chemical Ecology
- Insect Ecology and Behavior
- Arboriculture and Urban Forestry
- Plant Health Care/Pest Management
- Tree Pruning and Biomechanics

### Peer-Reviewed Publications

- 34 McIntire C.D., A.L. Loyd, **C.M. Rigsby**, P. Lemis, E. Karlsen-Ayala, C. Littlejohn, and J. Garnas. *In Review*. Disrupting the carbon cycle: Beech leaf disease impairs growth and carbohydrate storage in *Fagus grandifolia*. *Functional Ecology*
- 33 Loyd, A.L., M.A. Borden, C.A. Littlejohn, **C.M. Rigsby**, B. Brantley, M. Ware, C. McCurry, and K. Fite. 2025. Thiabendazole (Arbotect 20-S) as a therapeutic root flare injection for beech leaf disease management. *Arboriculture & Urban Forestry*. <https://doi.org/10.48044/jauf.2025.007>
- 32 Harley, A., A.L. Loyd, S.C. Malone, A.M. Trowbridge, K. Fite, and **C.M. Rigsby**. 2025. Applications of defense elicitors to roots of containerized eastern white pine (*Pinus strobus*) stimulate increased defensive enzyme activities of fine roots. *Arboriculture & Urban Forestry*, 51(1):85-93. <https://doi.org/10.48044/jauf.2024.024>
- 31 Patrick, K., M. Lo, **C.M. Rigsby**, C.E. Rosenfeld, and M.L. McCormack. 2025. Fine-root responses of two maple and two magnolia species to waterlogging. *Arboriculture & Urban Forestry*, 51(1):29-45. <https://doi.org/10.48044/jauf.2024.025>
- 30 **Rigsby, C.M.**, E.T. Smiley, S. Henry, L. Holmes, and A.L. Loyd. 2025. Total root and shoot biomass inhibited by paclobutrazol application on common landscape trees. *Arboriculture & Urban Forestry*, 51(1):74-84. <https://doi.org/10.48044/jauf.2024.017>

- 29 Miller, F. and **C.M. Rigsby**. 2024. Host plant resistance of *Viburnum* taxa for the viburnum leaf beetle (Coleoptera: Chrysomelidae). *Great Lakes Entomologist*, 57(3-4):154-175. <https://doi.org/10.22543/0090-0222.2490>
- 28 Loyd, A.L., R.S. Cowles, M.A. Borden, J.A. LaMondia, N. Mitkowski, H. Faubert, D. Burke, C. Hausman, D. Volk, C. Littlejohn, A. Stiller, **C.M. Rigsby**, B. Brantley, and K.F. Fite. 2024. Exploring novel management methods for beech leaf disease, an emerging threat to forests and landscapes. *Journal of Environmental Horticulture*, 42(1):1-13. <https://doi.org/10.24266/0738-2898-42.1.1>
- 27 Chase, K.D., B. Frank, A. Diss-Torrance, and **C.M. Rigsby**. 2023. Pre-emergent efficacy of dormant applications against *Lymantria dispar* (Lepidoptera: Erebididae). *Economic Entomology*, 116(4):1243-1248. DOI: 10.1093/jee/toad123
- 26 Chase, K.D., E. LeBrun, and **C.M. Rigsby**. 2021. Efficacy flupyradifurone, pyriproxyfen and horticultural oil, and dinotefuran against gloomy Scale (*Melanaspis tenebricosa* Comstock). *Arboriculture & Urban Forestry*, 47(2):64-71. DOI: 10.48044/jauf.2021.006
- 25 **Rigsby, C.M.**, M. Body, A. May, A. Oppong, A. Kostka, N. Houseman, S. Savage, E.R. Whitney, I.G. Kinahan, B. DeBoef, C.M. Orians, H.M. Appel, J.C. Schultz, and E.L. Preisser. 2020. Impact of chronic stylet-feeder infestation on folivore-induced signaling and defenses in a conifer. *Tree Physiology*. DOI: 10.1093/treephys/tpaa136.
- 24 Friedman, M.S., **C.M. Rigsby**, and D. Cipollini. 2020. Influence of light availability and jasmonate treatment on tree growth, defense, and emerald ash borer (*Agrilus planipennis*) success in white fringetree (*Chionanthus virginicus*) and black ash (*Fraxinus nigra*). *Journal of Chemical Ecology*. 46(11-12):1117-1130. DOI: 10.1007/s10886-020-01223-0
- 23 **Rigsby, C.M.**, I.G. Kinahan, A. May, A. Kostka, N. Houseman, S.K. Savage, E.R. Whitney, and E.L. Preisser. 2020. Impact of hemlock woolly adelgid (*Adelges tsugae*) (Hemiptera: Adelgidae) infestation on the jasmonic acid-elicited defenses of hemlock (*Tsuga canadensis*). *Environmental Entomology*, 49(5):1226-1231. DOI: 10.1093/ee/nvaa104
- 22 Kinahan, I.G., G. Grandstaff, A. Russell, **C.M. Rigsby**, R.A. Casagrande, and E.L. Preisser. 2020. A four-year, seven-state reforestation trial with eastern hemlocks (*Tsuga canadensis*) resistant to hemlock woolly adelgid (*Adelges tsugae*). *Forests*, 11:312. DOI: 10.3390/f11030312
- 21 Kinahan, I.G., **C.M. Rigsby**, S.K. Savage, N. Houseman, A. Marsella, A. Oppong, B. DeBoef, C.M. Orians, and E.L. Preisser. 2020 Seasonal changes in eastern hemlock (*Tsuga canadensis*) foliar chemistry. *Canadian Journal of Forest Research*, 50(6):557-564. DOI: 10.1139/cjfr-2019-0408.
- 20 Kinahan, I.G., A.K. Baranowski, E.R. Whitney, S.K. Savage, **C.M. Rigsby**, E.E. Shoemaker, C.M. Orians, and E.L. Preisser. 2019. Facilitation between invasive herbivores: hemlock woolly adelgid increases gypsy moth preference for and performance on eastern hemlock. *Ecological Entomology*, 45(3):416-422. DOI: 10.1111/een.12829.
- 19 **Rigsby, C.M.**, E.E. Shoemaker, M.M. Mallinger, C.M. Orians, and E.L. Preisser. 2019. Conifer responses to a stylet-feeding invasive impact a native folivore. *Agricultural and Forest Entomology*, 21:227-234. DOI: 10.1111/afe.12324.
- 18 **Rigsby, C.M.**, C. Villari, D.L. Peterson, D.A. Herms, P. Bonello, and D. Cipollini. 2018. Girdling increases survival and growth of emerald ash borer larvae on Manchurian ash. *Agricultural & Forest Entomology*, 21:130-135. DOI: 10.1111/afe.12292.

- 17 Wilson, C.M., R.N. Schaeffer, A. Sommi, M. Barret, N.K. Lany, **C.M. Rigsby**, C.S. Thornber, C.M. Orians, and E.L. Preisser. 2018. Chronic impacts of invasive herbivores on a foundational forest species: a whole-tree perspective. *Ecology*, 99(8): 1783-1791. DOI: 10.1002/ecy.2384.
- 16 **Rigsby, C.M.**, N.B. McCartney, D.A. Herms, J.H. Tumlinson, and D.F. Cipollini. 2017. Variation in the volatile profiles of black and Manchurian ash in relation to emerald ash borer oviposition preferences. *Journal of Chemical Ecology*, 43(8):831-842. DOI: 10.1007/s10886-017-0873-5.
- 15 Cipollini, D.F., **C.M. Rigsby**, and D.L. Peterson. 2017. Feeding and development of emerald ash borer (Coleoptera:Buprestidae) on cultivated olive, *Olea europaea*. *Journal of Economic Entomology*, 110(4):1935-1937. DOI: 10.1093/jee/tox139.
- 14 Rafter, J.L., J.F. Vendettuoli, L. Gonda-King, D. Niesen, N. Seeram, **C.M. Rigsby**, and E.L. Preisser. 2017. Pretty picky for a generalist: impacts of toxicity and nutritional quality on mantid prey processing. *Environmental Entomology*, 46(3):626-632. DOI: 10.1093/ee/nvx038.
- 13 Rafter, J.L., L. Gonda-King, D. Niesen, N. Seeram, **C.M. Rigsby**, and E.L. Preisser. 2017. Impact of consuming 'toxic' monarch caterpillars on adult Chinese mantid mass gain and fecundity. *Insects*, 8(1): 23. DOI: 10.3390/insects8010023.
- 12 **Rigsby, C.M.**, D.A. Herms, P. Bonello, and D.F. Cipollini. 2016. Higher activities of defense-associated enzymes may contribute to greater resistance of Manchurian ash to emerald ash borer than a closely related and susceptible congener. *Journal of Chemical Ecology*, 42(8):782-792. DOI: 10.1007/s10886-016-0736-5.
- 11 Cipollini, D.F., and **C.M. Rigsby**. 2015. Incidence of infestation and larval success of emerald ash borer (*Agrilus planipennis*) on white fringetree (*Chionanthus virginicus*), Chinese fringetree (*Chionanthus retusus*) and devilwood (*Osmanthus americanus*). *Environmental Entomology*, 44(5): 1375-1383. DOI: 10.1093/ee/nvv112.
- 10 **Rigsby, C.M.**, D.N. Showalter, D.A. Herms, J.L. Koch, P. Bonello, and D.F. Cipollini. 2015. Physiological responses of emerald ash borer larvae to feeding on different ash species reveal putative resistance mechanisms and insect counter-adaptations. *Journal of Insect Physiology*, 78:47-54. DOI: 10.1016/j.jinsphys.2015.05.001.
- 9 Whitehill, J.G.A., **C. Rigsby**, D.F. Cipollini, D.A. Herms, and P. Bonello. 2014. Decreased emergence of emerald ash borer from ash treated with methyl jasmonate is associated with induction of general defense traits and the toxic phenolic compound verbascoside. *Oecologia*, 176(4):1047-1059. DOI: 10.1007/s00442-014-3082-8.
- 8 **Rigsby, C.M.**, V.L. Muilenburg, T. Tarpey, D.A. Herms, and D.F. Cipollini. 2014. Oviposition preferences of *Agrilus planipennis* (Coleoptera: Buprestidae ) for different ash species support the mother knows best hypothesis. *Annals of the Entomological Society of America*, 107(4):773-781. DOI: 10.1603/AN13185.
- 7 **Rigsby, C.M.**, D.F. Cipollini, E.M. Amstutz, T.J. Smith, and J.A. Yoder. 2013. Water conservation features of ova of *Agrilus planipennis* (Coleoptera: Buprestidae). *Environmental Entomology*, 42(2):363-369. DOI: 10.1603/EN12226.
- 6 Mineau, M.M., **C.M. Rigsby**, D.T. Ely, I.J. Fernandez, S.A. Norton, T. Ohno, H.M. Valett, and K.S. Simon. 2013. Intrinsic and extrinsic constraints on bioavailability of dissolved organic matter under chronic watershed nitrogen enrichment. *Freshwater Biology*, 58:248-260. DOI: 10.1111/fwb.12054.

- 5 Ritter, J., K. Shaw, A. Evsizer, K. Minter, **C.M. Rigsby**, and K.M. Shearer. 2013. Assessing stream restoration potential of recreational enhancements on an urban stream, Springfield, Ohio. In: J.V. De Graff, and J.E. Evans (eds), *The Challenges of Dam Removal and River Restoration: Geological Society of America Reviews in Engineering Geology*, 21:133-148. DOI: 10.1130/2013.4121(11).
- 4 **Rigsby, C.M.**, and K.M. Shearer. 2012. Relating nitrogen demand to nitrogen spiraling in Cascade Stream, Carter County, KY. *Pholeos*, 31(1): 3-11.
- 3 Cipollini, D.F., **C.M. Rigsby**, and E.K. Barto. 2012. Microbes as targets and mediators of allelopathy in plants. *Journal of Chemical Ecology*, 38:714-727. DOI: 10.1007/s10886-012-0133-7.
- 2 **Rigsby, C.M.**, and K.M. Shearer. 2011. A pilot study of limiting nutrient uptake in Cascade Cave, Carter County, KY. *Pholeos*, 30(2): 15-22.
- 1 Yoder, J.A., **C.M. Rigsby**, and J.L. Tank. 2008. Function of the urnulae in protecting the red velvet mite, *Balaustium* sp., against water loss and in enhancing its activity at high temperatures. *International Journal of Acarology*, 34(4): 419-425. DOI: 10.1080/17088180809434786.

#### Technical Extension Reports

- Rigsby, C.M.** 2020. Growth Regulation of Trees on Residential Landscapes. *Bartlett Tree Experts Research Laboratory Technical Bulletin*.
- Rigsby, C.M.** 2020. Growth Regulation of Trees on Commercial Landscapes. *Bartlett Tree Experts Research Laboratory Technical Bulletin*.
- Loyd, A.L., **C.M. Rigsby**, and K. Fite. 2019. Conifer Health. *Bartlett Tree Experts Research Laboratory Technical Bulletin*.
- Chase, K., and **C.M. Rigsby**. 2019. Wax Scales. *Bartlett Tree Experts Research Laboratory Technical Bulletin*.
- Rigsby, C.M.** 2018. Ambrosia Beetles. *Bartlett Tree Experts Research Laboratory Technical Bulletin*.
- Rigsby, C.M.** 2018. Aphids. *Bartlett Tree Experts Research Laboratory Technical Bulletin*.
- Rigsby, C.M.** 2018. Boxwood Leafminer. *Bartlett Tree Experts Research Laboratory Technical Bulletin*.
- Rigsby, C.M.** 2018. Elongate Hemlock Scale. *Bartlett Tree Experts Research Laboratory Technical Bulletin*.
- Rigsby, C.M.** 2018. Lecanium Scales. *Bartlett Tree Experts Research Laboratory Technical Bulletin*.
- Rigsby, C.M.**, and K. Chase. 2018 White Peach Scale and Prunicola Scale. *Bartlett Tree Experts Research Laboratory Technical Bulletin*.
- Rigsby, C.M.**, and K. Chase. 2018. Obscure Scale. *Bartlett Tree Experts Research Laboratory Technical Bulletin*.
- Chase, K., and **C.M. Rigsby**. 2018. Oak galls and Cynipid Gall Wasps. *Bartlett Tree Experts Research Laboratory Technical Bulletin*.

#### Grants, Awards, and Fellowships (Totaling \$305,450.00)

- 2017 COLCOM Foundation (Pittsburgh, PA) – Environmental Award (Two Years)  
Title: *A natural approach to hemlock restoration in southwestern Pennsylvania*.  
Award amount: \$112,000  
Awarded to: E.L. Preisser and **C.M. Rigsby**
- 2017 United States Department of Agriculture McIntire-Stennis Fellowship – RI 0017-MS979 - Second year of postdoctoral funding  
Title: *Understanding and exploiting host plant resistance as a tool for eastern hemlock*

- restoration in PA forests - a combined field and laboratory approach.*
- Award amount: \$100,000  
Awarded to: E.L. Preisser and **C.M. Rigsby**
- 2016 The University of Rhode Island College of the Environment and Life Sciences Postdoctoral Travel Award – Gordon Research Conference in Plant-Herbivore Interactions  
Title: *Using host resistance as a tool for the management of hemlock woolly adelgid: Investigations into mechanism.*  
Award amount: \$1,000  
Awarded to: **C.M. Rigsby**
- 2016 Pennsylvania Department of Natural Resources – Initial year of postdoctoral funding  
Title: *Understanding and exploiting host plant resistance as a tool for eastern hemlock restoration in PA forests - a combined field and laboratory approach.*  
Award amount: \$100,000  
Awarded to: E.L. Preisser, R.A. Casagrande, and **C.M. Rigsby**
- 2013 Wright State University Graduate Student Assembly Original Work Grant  
Title: *Physiological responses of emerald ash borer larvae to host defense mechanisms.*  
Award amount: \$750  
Awarded to: **C.M. Rigsby**
- 2011 Wittenberg University Spring Research Grant  
Project title: *Nitrogen spiraling in cave streams: Cascade Cave, Carter County, KY.*  
Award amount: \$250  
Awarded to: **C.M. Rigsby** and K.M. Shearer
- 2011 Wittenberg University Spring Research Grant  
Project title: *Assessing the quality of honeysuckle leaves as a source of carbon in streams.*  
Award amount: \$250  
Awarded to: K.M. Shearer and **C. M. Rigsby**
- 2008 Wittenberg University Biology Departmental Summer Research Grant  
Project title: *Capacity of the red velvet mite to function at high temperature for enhancing biological control of scale insects.*  
Award amount: \$1,200  
Awarded to: J.A. Yoder and **C.M. Rigsby**

### **Professional Service**

- 22-Pres Arboricultural Research and Education Academy (AREA) Executive Committee: President
- 2022 Best Management Practices - Root Management 2<sup>nd</sup> edition (editor)
- 2022 Tree Research and Education Endowment (TREE) Fund committee service
- 2021 Tree Research and Education Endowment (TREE) Fund committee service
- 2020 Tree Research and Education Endowment (TREE) Fund committee service
- 2021 Arbnet Conference Program Coordinator – Arboriculture Program
- 2019 Green Industry Summit: Spotted Lanternfly organization committee  
Tree Research and Education Endowment (TREE) Fund committee service

### Professional Certifications and Qualifications

- 2024 International Society of Arboriculture – Certified Arborist (IL-10187A)  
 2019 International Society of Arboriculture – Tree Risk Assessment Qualification

### Professional Teaching Experience

- |       |                             |   |
|-------|-----------------------------|---|
| 2017  | Instructor                  | URI: BIO 444/544 'Insect Ecology'                   |
| 2016  | Instructor                  | WSU: BIO 1190 'Organisms and Ecosystems Colloquium' |
| 2015  | Guest Lecturer              | WSU: BIO 4700 'General Entomology'                  |
| 2015  | Guest Lecturer              | WSU: ES 7120 'Genes, Organisms, and Ecosystems'     |
| 2015  | Graduate Teaching Assistant | WSU: BIO 2310 'Evolution and Ecology'               |
| 2015  | Graduate Teaching Assistant | WSU: BIO 1120 'Cells and Genes'                     |
| 14-16 | Guest Lecturer              | WSU: BIO 4440/6400 'Plant Physiology'               |
| 2014  | Graduate Teaching Assistant | WSU: BIO 1150 'Organisms and Ecosystems'            |
| 13-16 | Guest Lecturer              | WSU: BIO 1150 'Organisms and Ecosystems'            |
| 12-16 | Graduate Teaching Assistant | WSU: BIO 800 'Field Ecology'                        |

### Mentorship

- 2025 NSF Research Experience for Undergraduates Program – Jamie M.  
 The Morton Arboretum – Center for Tree Science  
 Awarded to: **C. M. Rigsby** and N. Maren  
 Title: Transcriptional and Metabolomic Markers of Resistance in Ash (*Fraxinus* spp.) to Emerald Ash Borer (*Agrilus planipennis*).
- 2024 NSF Research Experience for Undergraduates Program – Kathryn L.  
 The Morton Arboretum – Center for Tree Science  
 Awarded to: **C. M. Rigsby** and N. Maren  
 Title: Phenolic chemistry of sweet (*Betula lenta*), Virginia round-leafed (*B. uber*), and yellow birch (*B. alleghaniensis*): Chemotyping *Betula* section *Lentae*.
- 2022 NSF Research Experience for Undergraduates Program – Angelina H.  
 The Morton Arboretum – Center for Tree Science  
 Awarded to: **C. M. Rigsby**  
 Title: *Soil-applied defense elicitors fail to elicit major defense responses in the fine roots of potted white pine (Pinus strobus) saplings*
- 2017 Summer Undergraduate Coastal Fellow – Amelia M.  
 The University of Rhode Island  
 Awarded to: E. Tewksbury and **C. M. Rigsby**  
 Title: *Evaluating performance of the biological control agent, Hypena opulenta (Lepidoptera), of various swallow worts (Vincetoxicum spp.), a group of invasive herbaceous plants in North America, and swallow wort induced defense expression.*

### Conference Presentations and Academic Seminars († Invited Talks)

- 2023 Landscape Belowground V – Lisle, IL (Oct)  
 2020 † Departmental Seminar, Department of Biology, Northland College – Ashland, WI (Jan)  
 2019 † Departmental Seminar, Department of Biology, Winthrop University – Rock Hill, SC (Jan)

- † Plant Sciences & Entomology Departmental Seminar, The University of Rhode Island – Kingston, RI (Feb)
- † PA Bureau of Forestry's 2019 Forest Health Insect & Disease Briefing – State College, PA (March)
- † OH Department of Forestry 2019 Forest Health Insect & Disease Briefing – Jackson, OH (April)
- Entomological Society of America Annual Meeting – St. Louis, MO (Nov)
- 2018 † USDA Interagency Forum on Invasive Species – Annapolis, MD (Jan) (co-author on four presentations)
- † The 6th International Workshop on the Genetics of Tree-Parasite Interactions: Tree Resistance to Insects and Diseases: Putting Promise into Practice – Mt. Sterling, OH (Aug) (co-author on one presentation)
- Entomological Society of America Annual Meeting – Vancouver, BC (Nov) (co-author on one presentation)
- 2017 USDA Interagency Forum on Invasive Species – Annapolis, MD (Jan)
- Gordon Research Conference on Plant-Herbivore Interactions – Ventura, CA (Feb)
- Entomological Society of America Eastern Branch Meeting – Newport, RI (March) (co-author on two presentations)
- Ecological Society of America Annual Meeting – Portland, OR (Aug) (co-author on two presentations)
- International Union of Forest Research Organizations Anniversary Congress - Freiburg, Germany (Sept)
- 2016 USDA Interagency Forum on Invasive Species – Annapolis, MD (Jan) (co-author on two presentations)
- Emerald Ash Borer Research and Technology Development Meeting – Wooster, OH (Oct) (co-author on two presentations)
- 2015 USDA Interagency Forum on Invasive Species – Annapolis, MD (Jan)
- † Wright State University EcoSeminar – Dayton, OH (April)
- International Workshop on Genetics of Tree-Parasite Interactions – Orleans, France (Aug)
- Entomological Society of America – Minneapolis, MN (Nov) (co-author on three presentations)
- 2014 Midwest Ecology & Evolution Conference – Dayton, OH (March)
- International Union of Forest Research Organizations World Congress – Salt Lake City, UT (Oct)
- Emerald Ash Borer Research and Technology Development Meeting – Wooster, OH (Oct)
- † Entomological Society of America – Portland, OR (Nov) (co-author on two presentations)
- 2013 Gordon Research Conference on Plant-Herbivore Interactions – Ventura, CA (Feb)
- Ohio Plant Biotechnology Consortium – Columbus, OH (Oct)
- Entomological Society of America – Austin, TX (Nov)
- 2012 † Wright State University EcoSeminar – Dayton, OH (March)
- 2011 The Ohio Academy of Sciences – Columbus, OH (April) (co-author on two presentations)
- The North American Benthological Society – Providence, RI (May)
- 2010 The Ohio Academy of Science – Ada, OH (April)
- The American Geophysical Union – San Francisco (Dec)
- 2009 Geological Society of America – Portland, OR (Oct)
- 2008 The Ohio Valley Entomological Association – Indianapolis, IN (Oct)

#### **Invited Extension Talks**

- 2024 ISA Michigan Arborcon – Lansing, MI
- Illinois Landscape Contractor Association iLandscape365 - Schaumburg, IL
- Michigan Nursery & Landscape Association Great Lakes Trade Expo – Grand Rapids, MI
- Illinois Landscape Contractors Association InVigorateU Conference – Bloomington, IL
- 2023 Illinois Arborist Association Annual Meeting – Tinley Park, IL

- Rainbow EcoScience Plant Healthcare Summit – North Chicago, IL  
 Chicago Botanic Gardens Master Gardner Seminar – Glencoe, IL  
 Minnesota Society of Arboriculture Annual Meeting – Duluth, MN  
 Illinois Arborist Association Career Days – Lisle, IL  
 Ohio Landscapers Association Plant Healthcare Day – Wooster, OH  
 Tree Pittsburgh Conifer Conference – Pittsburgh, PA  
 Tri-State Green Industry Conference – Sharonville, OH  
 Northern Green – Minneapolis, MN
- 2022 Wisconsin Arborist Association Annual Meeting – Green Bay, WI  
 Chicago Botanic Garden Pest Update – Glencoe, IL
- 2021 Idaho Nursery and Landscape Association IHE2021 – Virtual (Jan)  
 Illinois Landscape Contractor Association iLandscape365 – Virtual (Feb)
- 2020 Great Lakes Trade Expo – Lansing Center, Lansing, MI (Jan)  
 Rhode Island Nursery and Landscape Association – Crowne Plaza Hotel, Warwick, RI (Jan)  
 Tree Campus USA Conference – The Morton Arboretum, Lisle, IL (Mar)  
 Midwest Tree and Shrub Conference – Virtual (Sept)  
 Illinois Landscape Contractor Association Impact Conference – Virtual (Oct)  
 Chicago Botanic Gardens Master Gardeners Series – Virtual (Nov)  
 Professional Grounds Management Society Summit – Virtual (Dec)
- 2019 Plant Clinic Volunteer Training – The Morton Arboretum, Lisle, IL (Feb)  
 Arboriculture Update, Bartlett Client Seminar – Calvin College, Grand Rapids, MI (Feb)  
 A World of Gardening – Cox Arboretum, Dayton, OH (Mar)
- 2018 Trees SC – Tides Folly Beach, Folly Beach, SC (Oct)  
 Arboriculture Update, Bartlett Client Seminar – Tyler Arboretum, Media, PA (Aug)

### **Professional Experience**

- Pres Research Scientist and Technical Support Specialist  
 Bartlett Tree Research Laboratories – The Morton Arboretum  
 Supervisor: Kelby L. Fite, Ph.D.
- 16-18 Postdoctoral Scientist  
 The University of Rhode Island, Department of Biological Sciences  
 Supervisor: Evan L. Preisser, Ph.D.
- 11-15 Graduate Research Assistant  
 Wright State University, Department of Biology  
 Supervisor: Donald F. Cipollini, Ph.D.

### **Journal Referee**

*Agricultural and Forest Entomology*  
*American Journal of Botany*  
*Arboriculture & Urban Forestry*  
*Bulletin of Entomological Research*  
*Ecological Entomology*  
*Entomologia Experimentalis et Applicata*  
*Environmental Entomology*  
*Forests*  
*Frontiers*  
*International Journal of Molecular Sciences*  
*Journal of Chemical Ecology*  
*Journal of Insect Science*



*Oecologia*  
*Science Bulletin*  
*The American Midland Naturalist*

### Society Memberships

International Society of Arboriculture  
Ecological Society of America  
Entomological Society of America  
Sigma Xi, Wright State University Chapter  
Wittenberg University Speleological Society

### Awards and Recognitions

- 2017 **Rigsby et al. (2017):** *Journal of Chemical Ecology* Vol. 43(8) journal cover photo  
2017 **Cipollini et al. (2017) featured:**  
<https://www.oliveoiltimes.com/olive-oil-making-and-milling/beetle-pose-new-threat-olive-trees/57400>  
<https://entomologytoday.org/2016/10/24/emerald-ash-borer-may-become-a-problem-for-olive-growers/>  
<https://entomologytoday.org/2017/05/23/olive-tree-is-second-non-ash-species-found-vulnerable-to-emerald-ash-borer/>  
2016 **Research at URI** featured on EcoRI website:  
<https://www.ecori.org/natural-resources/2016/12/8/uri-researchers-explore-new-avenue-for-eastern-hemlock-conservation>  
2015 **Cipollini and Rigsby (2015) featured:**  
<http://entomologytoday.org/2015/07/22/emerald-ash-borer-infestation-of-white-fringetree-found-to-be-widespread/>  
2014 **Rigsby et al. (2014) featured:**  
<http://entomologytoday.org/2014/05/14/emerald-ash-borer-mothers-know-best/>  
2013 Inducted into Wright State University chapter of Sigma Xi  
2011 **Yoder et al. (2008) featured:** [www.asknature.org/strategy/bf97c65c436fdb8056cf4be5a36661cf](http://www.asknature.org/strategy/bf97c65c436fdb8056cf4be5a36661cf)

### References

Dr. Donald F. Cipollini  
Professor, Department of Biological Sciences  
Director, Environmental Sciences Ph.D. Program  
Wright State University, Dayton, OH 45435  
Phone: (937)-775-3805 (office); Email: [don.cipollini@wright.edu](mailto:don.cipollini@wright.edu)

Dr. Evan L. Preisser  
Professor, Department of Biological Sciences  
The University of Rhode Island, Kingston, RI 02881  
Phone: (401)-874-2120 (office); Email: [preisser@uri.edu](mailto:preisser@uri.edu)

Dr. Daniel A. Herms  
Vice President of Research and Development  
The Davey Tree Experts Co.  
Kent, OH 44240  
Phone: (330)-674-9515 ext 8531 (office); Email: [dan.herms@davey.com](mailto:dan.herms@davey.com)

Dr. Kelby L. Fite

Vice President of Research and Director of the Bartlett Tree Research Laboratories  
Bartlett Tree Experts  
Charlotte, NC 28278  
Phone: (704)-588-1150 ext 125 (office); Email: [kfite@bartlettlab.com](mailto:kfite@bartlettlab.com)