

CURRICULUM VITAE

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Professional Experience

Director	2017 to present The Jones Center at Ichauway, Newton, GA
Adjunct Professor	2019 to present Forestry and Natural Resources, University of Georgia
Graduate Faculty	2018 to present Forestry and Environmental Conservation, Clemson University
Asst. Director-Research	2008 to 2017 USDA Forest Service, Southern Research Station, Asheville, NC
Project Leader	1998 to 2008 USDA Forest Service, Southern Research Station, Pineville, LA
Research Entomologist	1995 to 2008 USDA Forest Service, Southern Research Station, Pineville, LA
Adjunct Associate Professor	1997 to 2008 Entomology, Louisiana State University, Baton Rouge, LA
Assistant Professor	1994 to 1995 - Forest Pathology/Forest Entomology Urban Forestry Program, Southern University, Baton Rouge, LA

Educational Experience

Ph.D.	1994 - Plant Pathology/Entomology (Double Major) University of Wisconsin - Madison, Madison, WI “Interactions of stress, plant chemical defenses and subcortical insect-fungal complexes in red pine decline.”
M.S.	1989 - Plant Pathology/Entomology (Double Major) University of Wisconsin - Madison, Madison, WI “Association of Leptographium spp., insect vectors and root mortality with red pine pocket decline and mortality.”
B.S.	1986 - Reclamation/Biology (Double Major) Scholastic honors, magna cum laude. University of Wisconsin - Platteville, Platteville, WI

REFEREED PUBLICATIONS

1. Gandhi, K.J.K. and K.D. Klepzig. 2025. Human health is linked to forest health. *Bioscience*. *Submitted*.
2. Raut, S., J. Dahlen, T.L. Eberhardt, L.R. Schimleck, D.M. Johnson, K.D. Klepzig, and S. Mani. 2025. Light gradient-boosting machine model predictions of southern pine wood extractives content using near-infrared spectroscopy hyperspectral imaging results in biologically realistic predictions compared to artificial neural network and partial least squares regression models. *Journal of Near Infrared Spectroscopy*. *Submitted*.
3. Schweitzer, C.; Varner, M.; Conrad, A.; Dey, D.; Favorito, C.; Harper, C.; Kabrick, J.; Keyser, T.; Klepzig, K.; Moorman, C.; Pile Knapp, L.; Shehan, T.; Watts, A.; Willis, J. 2024. Fire Effects in Contemporary Eastern Forests. Peer reviewed chapter *In: Prescribed Fire for Ecosystem Resilience in the 21st Century*. National Prescribed Fire Assessment. Washington, DC: U.S. Department of Agriculture, Forest Service.
4. Dingley, N. R., T.N. Sheehan, K.D. Klepzig, and E. McCarty. 2024. A Preliminary study of longleaf pine canopy arthropods in Southwest Georgia. *Southeastern Naturalist* 23: 297-315.
5. Bishop, C.J., Y. Wang, K.J.K. Gandhi, T.N. Sheehan, K.D. Klepzig, and C. Villari. 2024. Responses of belowground subcortical beetles to a catastrophic hurricane and subsequent management activities in longleaf pine stands. *In Prep*.
6. Ritger, H.M.W., S.T. Brantley, K. D. Klepzig, B.T. Sullivan, C. Villari, and K.J.K. Gandhi. 2024. Effects of prescribed fire and fire regime on longleaf pine (*Pinus palustris* Mill.) Tree defenses to bark beetles. *Forest Ecology and Management*. *In Prep*.
7. Kiser, A., K.L. Weber, A. Rowe, D. Pureswaran, K.D. Klepzig and R.W. Hofstetter. 2024. Insect population dynamics drive research publication trends: Publication patterns related to three bark beetle species over the past 50 years. *American Entomologist*. *In prep*.
8. Puhlick, J.J., T. L. O'Halloran, G. Starr, R.B. Abney, L.S. Pile Knapp, R.A. McCleery, K.D. Klepzig, S.T. Brantley, R.K. McIntyre, and B. Song. 2023. Opportunities for research on carbon management in longleaf pine ecosystems. *Forests* 2023, 14, 874. <https://doi.org/10.3390/f14050874>
9. Ritger, H.M.W., S.T. Brantley, K.D. Klepzig, and K.J.K. Gandhi. 2023. Differential effects of fire regime and site conditions on bark beetles (Coleoptera: Curculionidae) in a longleaf pine (*Pinus palustris* Mill.) ecosystem. *Forest Ecology and Management* 549: 121488, ISSN 0378-1127. <https://doi.org/10.1016/j.foreco.2023.121488>
10. Young, K., A. Tsalickis, T.N. Sheehan, K.D. Klepzig, M. Caterino, and J.A. Hartshorn. 2023. Dung beetle community composition in the presence and absence of mesopredators in a longleaf pine forest. *Southeastern Naturalist* 22 (1):78-90.
11. Risener, C.J., S. Woo, T. Samarakoon, M. Caputo, E. Edwards, K. Klepzig, W. Applequist, K. Zandi, S. Ling Goh, J.A. Downs-Bowen, R.F. Schinazi, C.L. Quave. 2023. Botanical inhibitors of SARS-CoV-2 viral entry: A phylogenetic perspective. *Scientific Reports* | (2023) 13:1244 | <https://doi.org/10.1038/s41598-023-28303-x>
12. Puhlick, J.J., S.T. Brantley, T.L. O'Halloran, L. Clay, and K.D. Klepzig. 2022. Carbon markets might incentivize poorer ecological outcomes in longleaf pine ecosystems. *Forest Ecology and Management* 520: <https://doi.org/10.1016/j.foreco.2022.120421>
13. Klepzig, K.D., J. Hartshorn, A. Tsalickis, and T.N. Sheehan. 2022. Eye gnat (*Liohippaelates*, Diptera: Chloropidae) biology, ecology, and management: Past, present, and future. *Journal of Integrated Pest Management* 13(1): 19. <https://doi.org/10.1093/jipm/pmac015>
14. Araújo, J.P.M., L. You, DL. Six, M. Rajchenberg, M.E. Smith, A. Johnson, K.D. Klepzig, P.W. Crous, C.A. Leal-Dutra, J. Skelton, S. Adams, J. Hulcr. 2021. Diversity and evolution of *Entomocorticium*

(Russulales, Peniophoraceae), a genus of bark beetle mutualists derived from free-living, wood rotting *Peniophora*. *Journal of Fungi*. 7, 1043. <https://doi.org/10.3390/jof7121043>

15. Sheehan, T.N. and K.D. Klepzig. 2021. Arthropods and fire within the biologically diverse longleaf pine ecosystem. *Annals of Entomological Society of America* 115:69–94. <https://doi.org/10.1093/esa/aaab037>
16. Six D.L. and K.D. Klepzig. 2021. Context dependency in bark beetle–fungus symbioses revisited: Assessing potential shifts in interaction outcomes against varied genetic, ecological, and evolutionary backgrounds. *Frontiers in Microbiology* 12:682187.
17. Flanagan, S.A., J.K. Hiers, M.A. Callaham Jr., S. Goodrick, J.J. O’Brien, G. Starr, S. Wiesner, K.D. Klepzig, and E.L. Loudermilk. 2021. A model comparison of fire return interval impacts on carbon and species dynamics in a southeastern U.S. pineland. *Ecosphere*. <https://doi.org/10.1002/ecs2.3836>
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21. Gandhi, K.J.K, K.D. Klepzig, B.F. Barnes, B. Gochmour, E.P. McCarty, T.N. Sheehan, C. Villari, and J.T. Vogt. 2019. Bark and woodboring beetles in wind-damaged pine stands in the Southern United States. *Warnell Outreach Publication WSFNR-19-38*. 5 Pages.
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OTHER PUBLICATIONS

1. Klepzig, K.D., Gandhi, K.J.K., Dean, J.D., Hunter, E., Liebhold, A., Owen, W., Trembath, T., Adams, D., Asaro, C., Barton, C., Cook, R., Coyle, D., Eickwort, J., Harrington, S., Koch, F., Munro, H.L., Nelson, D., Olatinwo, R., Pait, J., Pfister, S., Rakestraw, J., Schilling, E.B., Sniezko, R., and Venette, R. 2023. The Pine Pandemic Preparedness Plan (P4): Protecting Southern Pines. Synopsis, 8 May 2023, pp. 2.
2. Gandhi, K.J.K., Klepzig, K.D., Dean, J.D., Hunter, E., Liebhold, A., Owen, W., Trembath, T., Adams, D., Asaro, C., Barton, C., Cook, R., Coyle, D., Eickwort, J., Harrington, S., Koch, F., Munro, H.L., Nelson, D., Olatinwo, R., Pait, J., Pfister, S., Rakestraw, J., Schilling, E.B., Sniezko, R., and Venette, R. 2023. The Pine Pandemic Preparedness Plan for the Southern Pines. Full version, 8 May 2023, pp. 34.
3. Klepzig, K.D. and T.N. Sheehan. 2023. Fire and insects, *In* Rutledge, B.T. and R.K. McIntyre (eds). 2022. Prescribed fire at The Jones Center at Ichauway: A 28-year case study. Newton, Georgia: The Jones Center at Ichauway. 29 p. doi.org/10.58497/50713
4. Sandera M, Dahlen J, Eberhardt T, Klepzig K. 2022. Comparing wood quality between naturally regenerated longleaf, planted longleaf, and planted loblolly pine. Wood Quality Consortium Annual Meeting. July 12, 2022. Virtual. Regional.
5. Sandera M, Dahlen J, Eberhardt T, Klepzig K. 2022. Comparisons of wood quality among pines: naturally regenerated longleaf vs planted longleaf and planted loblolly. Society of Wood Science and Technology 65th International Convention. July 10-15, 2022. Kingscliff, New South Wales, Australia. International.
6. Sandera M, Dahlen J, Eberhardt T, Klepzig K. 2022. Student Poster: Comparisons of wood quality among pines: naturally regenerated longleaf vs planted longleaf and planted loblolly. Society of Wood Science and Technology 65th International Convention. July 10-15, 2022. Kingscliff, New South Wales, Australia. International.
7. Sandera M, Dahlen J, Eberhardt T, Klepzig K. 2022. Comprehensive assessment of plantation longleaf pine wood quality in comparison to natural stands and plantation loblolly pine. Warnell Graduate Student Symposium. February 9-11, 2022. Athens, GA. Local.
8. Klepzig, K.D., Program Chair for: Arango, R.A. and D.S. Pureswan, Eds. 2022. Proceedings of the 7th North American Forest Insect Work Conference Shaping Forests: Action in a Changing World. USDA Forest Service FHAAS-2022-01.231 p.
9. Bishop, C., K.J. K. Gandhi, K.D. Klepzig, and C.Villari. 2022. Longleaf pine savanna after wind disturbance: management practices and lower stem and root feeding beetles and their associated blue stain fungi. In: Arango, R.A. and D.S. Pureswan, Eds. 2022. Proceedings of the 7th North American Forest Insect Work Conference Shaping Forests: Action in a Changing World. USDA Forest Service FHAAS-2022-01.231 p.

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11. Gandhi, K.J.K., B.F. Barnes, C. Bishop, C. Fortuin, B. Gochnour, R. Hoyt, K.D. Klepzig, E. McCarty, C. Miller, C. Montes, T.N. Sheehan, S. Spinner, C. Villari, and J.T. Vogt. 2022. Multi-faceted forest health and socio-economic threats from catastrophic wind disturbances in the southeastern U.S. forests. In: Arango, R.A. and D.S. Pureswan, Eds. 2022. Proceedings of the 7th North American Forest Insect Work Conference Shaping Forests: Action in a Changing World. USDA Forest Service FHAAS-2022-01.231 p.
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13. Hofstetter et al., K.D. Klepzig. 2021. Climate affects microbial and mite communities associated with bark beetles. Book Chapter *In* R.W. Hofstetter and K.J.K. Gandhi, editors, Bark Beetle Management, Ecology, and Climate Change. eBook ISBN: 9780128224403
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19. De Soto, J., K.J.K. Gandhi, K.D. Klepzig, and C. Villari. 2019. Host response of loblolly pine (*Pinus taeda*) to fungal associates of the Southern Pine Beetle (*Dendroctonus frontalis*). American Phytopathological Society Meeting. Cleveland, OH. Abstract.
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22. Nowak, J T; Klepzig, K D; Coyle, D R; Carothers, W A; Gandhi, Kamal J K 2015. Southern pine beetles in central hardwood forests: frequency, spatial extent, and changes to forest structure. Pages 73-88 16 p. In: Greenberg, CH and BS Collins (eds.). Natural disturbances and historic range of variation: Type, frequency, severity, and post-disturbance structure in central hardwood forests USA. Managing Forest Ecosystems, 2015, Vol. 32. 400pp.

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26. Klepzig, K.D. and R.W. Hofstetter. 2011. From Attack to Emergence: Interactions between Southern Pine Beetle, Mites, Microbes, and Trees. Pp. 141-152 *In*: Coulson, R.N.; Klepzig, K.D. 2011. Southern Pine Beetle II. Gen. Tech. Rep. SRS-140. Asheville, NC: U.S. Department of Agriculture Forest Service, Southern Research Station.
27. Coulson, R. N. and K.D. Klepzig. 2011. Southern Pine Beetle II. Gen. Tech. Rep. SRS-140. Asheville, NC: U.S. Department of Agriculture Forest Service, Southern Research Station, 512 p.
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29. Klepzig, K.D., T.M. Poland, N.E. Gillette, R.A. Haack, M.A. Keena, D.R. Miller, M.E. Montgomery, S.J. Seybold, and P.C. Tobin. 2010. Forest Service R&D—invasive insects: Visions for the future. Pp 13-22, *In* M.E. Dix and K. Britton (eds). A Dynamic Invasive Species Research Vision: Opportunities and Priorities 2009–29. 138 p. GTR-WO-79/83. (<http://www.fs.fed.us/research/invasive-species/>)
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32. Vasanthakumar, A., Y. Cardoza, I. Delalibera, P. Schloss, J. Handelsman, K. Klepzig and K. Raffa. 2007. Gut bacteria of bark and wood boring beetles. P 49-50, *In*: B. Bentz, A. Cognato and K. Raffa (eds) Genetics of Bark Beetles and Associated Microorganisms: Third Workshop Proceedings. USDA Forest Service, Rocky Mountain Research Station Proceedings RMRS-P-45. 51 p.
33. Raffa, K.F., B.H. Aukema, N. Erbilgin, K.D. Klepzig, and K.F. Wallin. 2005. Interactions among conifer terpenoids and bark beetles across multiple levels of scale: An attempt to understand links between population patterns and physiological processes. *Rec. Adv. Phytochem.* 39:79-118.
34. Benjamin, R.K., M. Blackwell, I.H. Chapela, R.A. Humber, K.G. Jones, K.D. Klepzig, R.W. Lichtwardt, D. Malloch, H. Noda, R.A. Roeper, J.W. Spatafora and A. Weir. 2004. "Insect- and other arthropod-associated fungi". Pp. 395-433, *In* G.M. Mueller, G.F. Bills, and M.S. Foster, eds. Biodiversity of fungi: Inventory and monitoring methods. Elsevier Academic Press, Burlington, MA USA. 777 p.
35. Coulson, R.N., K.D. Klepzig, T.E. Nebeker, F.L. Oliveria, S.M. Salom, F.M. Stephen, H.J. Meyer, Eds. 2004. The research, development and applications agenda for a southern pine beetle integrated pest management program. Proceedings of a facilitated workshop. August, 2003. Mountain Lake, VA.

Southern State Agricultural Experiment Stations, USDA Forest Service, USDA CSREES, Southern State Forestry Agencies. 40 p.

36. Klepzig, K.D., and C.H. Walkinshaw. 2003. Cellular response of loblolly pine to wound inoculation with bark beetle-associated fungi and chitosan. USDA Forest Service, Southern Research Station, Research Paper SRS-30. 9 p.
37. Klepzig, K.D. J.C. Moser, and B.A. Fitzgibbon. 2002. The Mexican pine beetle (*Dendroctonus mexicanus*): Our "newest" invasive species. P. 50, *In* Proceedings, U.S. Department of Agriculture Interagency Research Forum on Gypsy Moth and Other Invasive Species. Jan. 2002. USDA, Forest Service, Gen. Tech. Report. NE-300. 116 p.
38. Goyer, R.A. and K.D. Klepzig. 2002. Where have all the beetles gone? *Forests and People* 52:10-12.
39. Klepzig, K.D., J. Paschke, W. Nettleton, and R. Anderson. 2001. Thinning and southern pine beetle. USDA Forest Service, Forest Health Note. 2 p.
40. Klepzig, K.D., J.C. Moser, M.J. Lombardero, M.P. Ayres, R.W. Hofstetter, and C.J. Walkinshaw. 2001. Mutualism and antagonism: Ecological interactions among bark beetles, mites and fungi. Pp. 237-267 *In* Biotic interactions in plant-pathogen associations (eds. M.J. Jeger and N.J. Spence). CAB International.
41. Tiarks, A., K.D. Klepzig, F. Sanchez, M. Lih, J. Powell, and M. Buford. 1999. Roles of coarse woody debris in the loblolly pine ecosystem. Pp. 238-242 *in* J.D. Haywood (ed.), Proceedings of the 10th biennial southern silvicultural research conference. Gen. Tech. Rep. SRS-30. Asheville, NC: U.S. Department of Agriculture, Forest Service, Southern Research Station. 632 p.
42. Raffa, K. F. and Klepzig, K. D. 1996. "Effects of root inhabiting insect-fungal complexes on aspects of host resistance to bark beetles". *in* W. Mattson and P. Niemela, eds. Dynamics of Herbivory: Quest for Pattern and Principle. USDA Forest Service, General Technical Report 183. North Central Forest Experiment Station, St. Paul, Minnesota
43. Klepzig, K.D. 1994. Interactions of stress, plant chemical defenses and subcortical insect-fungal complexes in red pine decline. Ph. D. Thesis, University of Wisconsin-Madison. 246p.
44. Smalley, E.B., K.F. Raffa, R.H. Proctor and K.D. Klepzig. 1993. "Tree responses to infection by species of *Ophiostoma* and *Ceratocystis*" Pages 188-199 *in* M.J. Wingfield, K.A. Seifert and J.F. Webber, eds. *Ceratocystis* and *Ophiostoma* : Taxonomy, Ecology and Pathology. A.P.S. Press, St. Paul, MN.
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46. Klepzig, K.D. 1989. Association of *Leptographium* spp., insect vectors and root mortality with red pine pocket decline and mortality. M.S. Thesis, University of Wisconsin-Madison. 64p.
47. Klepzig, K.D. and J. Cummings Carlson. 1988. How to identify red pine pocket decline and mortality. USDA-Forest Service. NA-GR-19.

SELECT PRESENTATIONS

1. Hofstetter, R.W., L. Bonifacio, D. Pureswan, and K.D. Klepzig. 2024. Shaping Forest Entomology through cross-regional and international collaborations. Entomological Society of America Annual Meeting Phoenix, AZ.
2. Klepzig, K.D., K.J.K. Gandhi, C. Villari, B. Gochnour, and C. Bishop. 2024. Resistant tree or resilient ecosystem? Forest insects and pathogens in longleaf pine. Entomological Society of America Annual Meeting Phoenix, AZ.

3. Grimes, L, C. Favorito, J. Howze, L. Smith and K.D. Klepzig. 2024. Poster. Insect Communities in Gopher Tortoise Burrows: A Comparison of Sampling Methods. Southern Forest Health Work Conference. Greenville, SC.
4. Favorito, C.M., T.N. Sheehan, and K.D. Klepzig. 2024. Southern forest insects and forest health: The bothersome, benign, and beneficial. Southeastern Branch Meeting of the Entomological Society of America, Augusta GA.
5. Favorito, C.N., T.N. Sheehan, C.G. Fair, K.D. Klepzig and K.J.K. Gandhi. 2024. Long-term monitoring of wild bees in the longleaf pine ecosystem. The Jones Center at Ichauway Advisory Committee Meeting.
6. Ohmen, T.M., C.M. Favorito, T.N. Sheehan, A.M. Deczynski, C.G. Fair, K.D. Klepzig, and K.J.K. Gandhi. 2024. Keeping TABS on Ichauway: Long-term monitoring of arthropods in a biodiverse system. Southern Forest Health Work Conference Greenville, SC
7. Sheehan, T.N., C.M. Favorito, J.V. McHugh, and K.D. Klepzig. 2024. Do fire, trees and dead wood drive beetle abundance and diversity in longleaf pine woodlands? Southern Forest Health Work Conference Greenville, SC.
8. Pleak, S., G. McLeod, D. McElveen, C. Favorito, T. Sheehan, L. Giencke, J. Daniels, R. Meyer, and K.D. Klepzig. 2024. Lessons learned: The ups and downs of the first frosted elfin repatriation. Southern Forest Health Work Conference Greenville, SC.
9. Sheehan, T.N., C. Favorito, M. McTeague, A. Deczynski, M.D. Ulyshen, J. McHugh, C. Traylor, A. Bosworth, and K.D. Klepzig. 2024. It's been a hard day's night and I've been looking for a log: Patterns of diel activity for saproxylic beetles. Southeastern Branch Meeting of the Entomological Society of America Augusta, GA.
10. Favorito, C.M., T.N. Sheehan, C.G. Fair, K.D. Klepzig, and K.J.K. Gandhi. 2024. Long-term monitoring of wild bees in the longleaf pine ecosystem. Entomological Society of America Annual Meeting Phoenix, AZ.
11. Sicking, E. K.D. Klepzig, S.J. Golladay, D. McLaughlin, and S. Entekin. 2024. Space or time? Understanding patterns of aquatic insect diversity across geographically isolated wetlands. Ecological Society of America Annual Meeting. Long Beach, CA.
12. Klepzig, K.D. and K.J.K. Gandhi. 2024. Thinking the unthinkable: Are we prepared for a pandemic in southern pines? Southern forest insects and forest health: The bothersome, benign, and beneficial. Invited presentation to the USDA Forest Service Forest Health Protection Director's Meeting.
13. Klepzig, K.D. and K.J.K. Gandhi. 2024. Thinking the unthinkable: Are we prepared for a pandemic in southern pines? Southern forest insects and forest health: The bothersome, benign, and beneficial. Invited presentation to the Region 8 Leadership Team. USDA Forest Service.
14. Klepzig, K.D. and K.J.K. Gandhi. 2024. Thinking the unthinkable: Are we prepared for a pandemic in southern pines? Southern forest insects and forest health: The bothersome, benign, and beneficial, Entomological Society of America Southeastern Branch Meeting. Augusta, GA.
15. Klepzig, K.D., T.N. Sheehan, J. Cannon. 2023. Frequent fire as a driver of diversity, health and resilience in longleaf pine. Invited Seminar, Northern Arizona University. Flagstaff, AZ.
16. Tigreros, G., K.D. Klepzig, and J.V. McHugh. 2023. Deadwood dwellers: Insects and fungi utilizing downed pines and oaks. Southern Forest Insect Work Conference. Raleigh, NC.
17. Dingley, N.R., T.N. Sheehan, K.D. Klepzig, M.D. Ulyshen, and E. McCarty. 2023. Bugs hanging out in the canopy: A preliminary study of longleaf pine canopy arthropods. Southern Forest Insect Work Conference. Raleigh, NC.

18. Klepzig, K.D. and K.J.K. Gandhi. 2023. The pine pandemic preparedness plan to protect southern pine forests from high-impact invasive pests and pathogens. NCASI Annual Meeting. Atlanta, GA.
19. Klepzig, K.D. and K.J.K. Gandhi. 2023. P4 and PNB: Applicability of the pine pandemic preparedness plan to the pine needle blight outbreak. Southern Pine Health Research Co-op Annual Meeting, Newton, GA.
20. Klepzig, K.D. and K.J.K. Gandhi. 2023. Towards implementation of the pine pandemic preparedness plan: Opportunities for state input and involvement. Southern Group of State Foresters Annual Meeting, Oklahoma City, OK.
21. Klepzig, K.D., C. Bishop, C.D. Meinecke, T.N. Sheehan, K.J.K. Gandhi, and C. Villari. 2023. Secondary insects and facultative pathogens in disturbed pine forests. Southern Forest Insect Work Conference. Raleigh, NC.
22. Garrett-Paullada, H., W. Morse, K.D. Klepzig, and K. Dunning. 2023. Private land conservation, research, education, and recreation across the US: What are we preserving? Where is it? How is it being done? International Association for Society and Natural Resources Annual Meeting. Portland, ME.
23. Klepzig, K.D. and K.J.K. Gandhi. 2023. The pine pandemic preparedness plan: Managing the impacts of novel invasive forest insects and pathogens. Entomological Society of America Meeting, Baltimore, MD
24. Favorito, C.M, T.N. Sheehan, R.T. Meyer, L.M. Giencke, A. Snyder, D. McElveen, and K.D. Klepzig. 2023. First reintroduction of the imperiled frosted elfin butterfly to Georgia. Entomological Society of America Meeting, Baltimore, MD
25. Sheehan, T.N., C.M. Favorito, M.M. McTeague, A.M. Deczynski, M.D. Ulyshen, J.V. McHugh, C.R. Traylor, A. Bosworth, and K.D. Klepzig. 2023. It's been a hard day's night and I've been looking for a log: Patterns of diel activity for saproxylic and other beetles. Entomological Society of America Meeting, Baltimore, MD
26. Gochnour, B., K.J.K. Gandhi, K.D. Klepzig, and T.N. Sheehan. 2023. Vertical stratification of bark beetle and associated insect communities within simulated lightning struck longleaf pine trees. Entomological Society of America Meeting, Baltimore, MD
27. Gandhi, K.J.K., Barnes, B.F., Fortuin, C., Gochnour, B., Kinz, S., Klepzig, K.D., McCarty, E., Miller, C., Montes, C., Sheehan, T.N., Spinner, S., and Vogt, J.T. 2023. Multi-faceted impacts of catastrophic hurricanes in the southeastern U.S. Annual Meeting of the Southeastern Society of American Foresters (SESFAF), Panama City, Florida, 15-17 February 2023. Invited Presentation.
28. Tsalickis, A., K.D. Klepzig, J.A. Hartshorn. 2022. Stable isotope analysis of eye gnat (*Liohippелates*; Diptera: Chloropidae) diet in longleaf pine forests. South Carolina Entomological Society.
29. Klepzig, K.D. 2022. Invited panelist. Plenary Panel on Management. Southeast Climate Adaptation Science Symposium, Gulf Shores, AL.
30. Klepzig, K.D. 2022. How insect-microbial symbioses can shape organisms and communities. Virginia Tech University. Invited seminar.
31. Klepzig, K.D. 2022. Symbiotic interactions in science, and among scientists: Biology at the Jones Center at Ichauway. Morehouse College. Invited Seminar:
32. Sheehan, T.N., R.T. Meyer, L. Giencke, A. Snyder, D. McElveen, and K.D. Klepzig. 2022. Reintroduction of the imperiled frosted elfin butterfly (*Callophrys irus*) to Georgia and the Jones Center at Ichauway. Poster. Entomological Society of America Annual Meeting, Vancouver, BC.
33. Klepzig, K.D., C. Bishop, B. Gochnour, C. Villari, and K.J.K. Gandhi. 2022. Response of bark beetles, root weevils and woodborers to hurricane damage, logging and fire in a longleaf pine savanna. Entomological Society of America Annual Meeting, Vancouver, BC.

34. Sheehan, T.N., C. Bishop, B. Gochnour, M. Ulyshen, C. Villari, K.J.K. Gandhi, and K.D. Klepzig. 2022. Insects in deadwood in the longleaf pine ecosystem, including fire interactions. Entomological Society of America Annual Meeting, Vancouver, BC.
35. Nikolaidis, O., J.T. Vogt, K.D. Klepzig, and K.J.K. Gandhi. 2022. Legacies of disturbance management: How do post-hurricane salvage logging and soil compaction affect ant communities in a longleaf pine ecosystem? Southern Forest Insect Work Conference, Lexington, KY.
36. Klepzig, K.D. and K.J.K. Gandhi. 2022. The Pine Pandemic Preparedness Plan: A collaborative plan for the common good. Southern Forest Insect Work Conference, Lexington, KY.
37. Sheehan, T.N., K.J.K. Gandhi, C. Favorito, K.D. Klepzig. 2022. Long-term monitoring of wild pollinators in diverse habitats of a relict longleaf pine ecosystem. The Wildlife Society Annual Meeting, Spokane, WA.
38. Gandhi, K.J.K. and K.D. Klepzig. 2022. P4: The pine pandemic preparedness plan to protect the southern pine resources. Invited presentation. Society of American Foresters Annual Meeting, Baltimore, MD.
39. Montes, C., Asaro, C., Klepzig, K., McCarthy, E., Nowak, J., Villari, C., and Gandhi, K.J.K. 2022. Spatial and temporal trends of Ips beetle outbreaks in the southeastern U.S. Southern Forest Insect Work Conference, Lexington, KY.
40. Gandhi, K.J.K., and K.D. Klepzig. 2022. The Pine Pandemic Preparedness Plan: Responding effectively to threats to the southern pine resource. Forest Health Monitoring: Climate Change and Accelerated Disturbance National Conference. Virtual.
41. Gandhi, K.J.K., K.D. Klepzig, J.D. Dean, E. Hunter, A. Liebhold, W. Owen, T. Trembath, D. Adams, C. Asaro, C. Barton, R. Cook, D. Coyle, J. Eickwort, S. Harrington, F. Koch, D. Nelson, R. Olatinwo, J. Pait, J. Rakestraw, E. Schilling, R. Sniezko, and R. Venette. 2022. P4: A proactive approach to protect pine forests from invasive pests and pathogens. Annual Meeting of the Southern Group of State Foresters Forest Health Committee, Lexington, Kentucky. 25-27 Jan 2022.
42. Klepzig, K.D. and K.J.K. Gandhi. 2021. Forest Health in the South: Preparing for future challenges. Southern Region Extension Forestry Webinar. December 2021.
43. Klepzig, K.D. and Kamal J. K. Gandhi. 2021. Forest pandemics in a no analogue future. In: Adapting, Advancing, and Transforming Forest Entomology for Climate Change, Organizers: Jessica Hartshorn, Kayla Perry, Rachel Arango, and Molly Darr. Entomological Society of America Meeting. Denver, CO.
44. Klepzig, K.D. and Kamal J. K. Gandhi. 2021. The Pine Pandemic Preparedness Plan: Collaborative management of collective risk. In: Shifting the Discourse on Forest Health and Resilience, Society of American Foresters Annual Meeting, Online. Invited presentation.
45. Sheehan, T.N., K.J.K. Gandhi, and K.D. Klepzig. 2021. Biodiversity of arthropods in an exceptionally biodiverse sub-tropical ecosystem dominated by longleaf pine. Entomological Society of America Meeting. Denver, CO.
46. Bishop, C.J., K.J.K. Gandhi, C. Villari, and K.D. Klepzig. 2021. Hurricane Michael: Impacts of wind-damage on root feeding beetles and their associated blue-stain fungi within a longleaf pine woodland. Entomological Society of America Meeting. Denver, CO.
47. Young, K., K.D. Klepzig, T.N. Sheehan, and J. Hartshorn. 2021. In the pines: Dung beetle assemblages in longleaf forests. Entomological Society of America Meeting. Denver, CO.
48. Gandhi, K.J.K., Barnes, B.F., Bishop, C., Fortuin, C., Gochnour, B., Hoyt, R., Klepzig, K.D., McCarty, E., Miller, C., Montes, C., Sheehan, T.N., Spinner, S., Villari, C., and Vogt, J.T. 2021. Multi-faceted forest

health and socio-economic threats from catastrophic wind disturbances. The 2021 North American Forest Insect Work Conference, 26-28 May 2021, online. Invited oral presentation.

49. Bishop, C., K.D. Klepzig, and C Villari. 2021. The perfect storm: Hurricane damage, lower stem and root feeding beetles and their associated blue stain fungi within the longleaf pine savanna. American Phytopathological Society Annual Meeting. Virtual.
50. Richard W. Hofstetter, Sneha Vissa, Kier Klepzig, and Caterina Villari. 2021. Effects of climate change on ectosymbiotic community dynamics associated with bark and ambrosia beetles. IUFRO WP 7.03.16 & 7.03.05 – Webinar Series 2021 on Behavioral and Chemical Ecology of Bark and Woodboring Insects: Climate Change Effects on Bark Beetle Range Expansion, Community Associates and Outbreak Dynamics. March 4, 2021.
51. Bishop, C., K.J.K. Gandhi, K.D. Klepzig, and C. Villari. 2020. Response of lower stem and root feeding beetles and their fungal associates to wind disturbance management practices within a longleaf pine woodland in SW Georgia. Entomological Society of America Meeting, Virtual. Poster.
52. de Soto, J., K.J.K. Gandhi, K.D. Klepzig, and C. Villari. 2020. Phytochemical defenses of loblolly pine (*Pinus taeda*) in response to fungal symbionts of the southern pine beetle (*Dendroctonus frontalis*). Entomological Society of America Meeting, Virtual. Poster.
53. Gandhi, K.J.K., B.H. McNichol, H.M.W. Ritger, B.F. Barnes, L.R. Boring, S.T. Brantley, K.D. Klepzig, C.R. Montes, J.T. Nowak, and C. Villari. 2020. Multi-faceted interactions between prescribed fire and bark beetles in loblolly and longleaf pine ecosystems. Society of American Foresters Annual Meeting, Providence, RI.
54. Klepzig, K.D. and K.J.K. Gandhi. 2020. Will the spiral be unbroken? Progress and gaps in understanding forest declines. Invited presentation. Society of American Foresters Annual Meeting, Providence, RI.
55. Sheehan, T.N. and K.D. Klepzig. 2019. Post-hurricane beetle activity in longleaf pine: a resilient tree in a resistant landscape. Entomological Society of America Meeting, St. Louis, MO.
56. Gochnour, B.M., K.D. Klepzig, E.R. Hoebeke, B. Barnes, K.J.K. Gandhi. Symbiotic bark beetle communities in lightning struck longleaf pine trees. 2019. Entomological Society of America Meeting, St. Louis, MO.
57. Loudermilk, E.L., S.A. Flanagan, S. Bhotika, C. Hawley, G. Starr, S. Wiesner, J.K. Hiers, J.J. O'Brien, S. Goodrick, M.A. Callaham, K.D. Klepzig. 2019. Using landscape and regional scale ecosystem process models for a southeastern U.S. frequently burned forest to quantify potential carbon projections on the landscape. ESTCP/SERDP Symposium, Washington D.C. (poster).
58. Klepzig, K.D., T. Sheehan, B. Gochnour, C. Bishop, C. Villari and K.J.K. Gandhi. 2019. Hurricane Michael: Wind damage and forest health in a complex longleaf pine ecosystem. Southern Forest Insect Work Conference, Savannah, GA
59. Klepzig, K.D., T. Sheehan, B. Gochnour, C. Bishop, C. Villari and K.J.K. Gandhi. 2019. Wind damage and forest health in a complex longleaf pine ecosystem. (Poster). Entomological Society of American Annual Meeting, St. Louis, MO.
60. Klepzig, K.D. 2019. Symbiotic systems: How interactions shape organisms and communities. Student Invited Speaker for 2019: University of Kentucky – Lexington, KY.
61. Buland, M., B.F. Barnes, K.D. Klepzig, K.J.K. Gandhi, and C. Villari. 2019. Elucidating the fungal community in loblolly pine stands of Georgia via metabarcoding. UGA Plant Center Symposium, Athens, GA.

62. Klepzig, K.D. 2018. A living laboratory in a working forest: Privately funded research for the public good. Invited symposium presentation. Ecological Society of America Meeting. New Orleans, LA.
63. Buono, C.M., D. Adams, K.D. Klepzig, J. Hulcr, and K.M. Prior. 2018. Are ecological systems resilient to invasions? A systematic review of ecological response post invasive species management. Poster. Ecological Society of America Meeting. New Orleans, LA.
64. Klepzig, K.D. 2018. If a tree falls in the forest: The impact of science, the science of impact. Invited keynote presentation. Southern Forest Insect Work Conference. San Antonio, TX.
65. Buland, M., B.F. Barnes, K.D. Klepzig, K.J.K. Gandhi, and C. Villari 2018. Dissecting the fungal community associated with root-feeding beetles in Georgia loblolly pine stands using a metabarcoding approach. American Phytopathological Society Meeting.
66. Klepzig, K.D. 2018. Invasive organisms and invasive fires: Reciprocal effects, management options. USDA Forum on Invasive Species. Georgia Association of Conservation Districts, Greensboro, GA.
67. Klepzig, K.D. 2018. Invasive organisms and invasive fires: Reciprocal effects, management options. USDA Forum on Invasive Species. Annapolis, MD.
68. Buland, M., B.F. Barnes, K.D. Klepzig, K.J. Gandhi, and C. Villari. 2017. Species composition of root-feeding beetle associated *Leptographium* and *Grosmannia* blue-stain fungi in loblolly pine stands in Georgia. Mycological Society of America Meeting. Athens, GA.
69. Klepzig, K.D. and J.T. Nowak. 2014. Preventing damage from a southern pest in northern forests: The future of the Southern Pine Beetle Program? IUFRO World Congress, Salt Lake City, UT
70. Hurley, B.P, H.J. Hatting, M.J. Wingfield, K.D. Klepzig and B. Slippers. 2011. Influence of genotype and environment on biological control: A *Sirex-Deladenus* case study. Entomological Society of South Africa, Annual Meeting, Bloemfontein, South Africa.
71. Klepzig, K.D., S. McNulty, J. Vose, and W. Hargrove. 2011. Responding to threats to forest health in a changing climate. Climate and Forests, Flagstaff, AZ
72. Klepzig, K.D. 2011. Management implications: Does it matter how trees die? North American Forest Insect Work Conference. Portland, OR
73. Klepzig, K.D. 2010. Mediation of plant-insect interactions by microbes. IUFRO World Congress, Seoul, Korea.
74. Klepzig, K.D. 2010. Fungicides in managing forest insects - theory and reality. Southern Forest Insect Work Conference, Wilmington, NC.
75. Klepzig, K.D. 2009. Invasives in the East: Multiple approaches to multiple threats. Tennessee Urban Forestry Conference, Nashville, TN.
76. Xi, W. S-H Chen, A.G. Birt, J.D. Waldron, C. W. Lafon, D.M. Cairns, M.D. Tchakerian, K.D. Klepzig, R. N. Coulson. 2010. Simulating the interactions of forest structure, fire regime and plant invasion in the Southern Appalachians using LANDIS simulation methods. USDA Forum on Invasives, Annapolis, MD.
77. Ott, E.P., D.L. Six, and K.D. Klepzig. 2009. Phylogeny and fidelity of ambrosia beetle-associated fungi. Western Forest Insect Work Conference, Spokane, WA.
78. Adams, A., S. Adams, C. Boone, C. Currie, J. Bohlmann, N. Gillette, K. Klepzig and K. Raffa. 2009. Role of symbiotic bacteria in the reproductive success of bark beetles. IUFRO: Forest Insects and Environmental Change, Jackson Hole, WY.

79. Co-moderator (with F. Lieutier and T. Paine) of Invited Symposium. 2008: ICE Forest Entomology: Mediations of tree-insect interactions by micro-organisms. International Congress of Entomology, Durban, South Africa.
80. Klepzig, K.D. 2008. Microorganisms as mediators of tree-insect interactions: Pathogens, saprogens and cofactors. International Congress of Entomology, Durban, South Africa.
81. Klepzig, K.D. 2008. Pestis symbiotica: Mutualistic associations in forest pestilence. Invited seminar: University of Vermont.
82. Klepzig, K.D. 2008. Pestis symbiotica: Mutualistic associations in forest pestilence. Invited seminar: North Carolina State University.
83. Xi, W., C. Lafon, D. Cairns, J. Waldron, M. Tchakerian, K.D. Klepzig, and R. Coulson. 2008. Simulating Impacts of Invasive Plants in Southern Appalachian Landscapes using LANDIS. USDA Interagency Research Forum on Gypsy Moth and Other Invasive Species. Annapolis, MD.
84. Klepzig, K.D., M.J. Wingfield and B. Slippers. 2007. Competition between fungi associated with Sirex woodwasp and southern pine beetle. Entomological Society of American Annual Meeting. San Diego, CA; and USDA Interagency Research Forum on Gypsy Moth and Other Invasive Species. Annapolis, MD.
85. Waldron, J.D., W. Xi, C. Lafon, D. Cairns, M. Tchakerian, A. Birt, R. Coulson, and K. Klepzig. 2008. Modeling effects of multiple disturbance interactions on long-term forest changes in the Southern Appalachian Mountains. American Association of Geography Annual Meeting.
86. Xi, W., C.W. Lafon, D.M. Cairns, J.D. Waldron, A.G. Birt, M.D. Tchakerian, R.N. Coulson, and K.D. D Klepzig. 2008. Modeling effects among fire, windstorms and yellow pine regeneration following southern pine beetle outbreaks in the southern Appalachians. International Association of Landscape Ecology Annual Meeting.
87. Klepzig, K.D., B. Slippers and M.J. Wingfield. 2007. Implications of fungal competition to biological control of Sirex woodwasp. East Texas Forest Entomology Seminar, Lufkin, TX.
88. Klepzig, K.D., B. Slippers and M.J. Wingfield. Competitive interactions among forest insect associated fungi: Implications to biology, population dynamics, and control. The Sirex Woodwasp: Expanding Frontiers. Pretoria, South Africa.
89. Klepzig, K.D., B.L. Strom, and L.M. Roton. 2007. New and old methods of protection of trees against bark beetles: What works, what doesn't, and why. American Chemical Society Annual Meeting, Invited Presentation. Chicago, IL.
90. Xi, W., J.D. Waldron, R.N. Coulson, M.D. Tchakerian, D.M. Cairns, C.W. Lafon, A.G. Birt, K.D. Klepzig. 2007. Landscape modeling for forest restoration: Concepts and applications. International Forest Landscape Restoration Conference, Seoul, Korea.
91. Klepzig, K.D, C. Yuceer, Y.M. Kang, O. Pechanova, Y.J. Cardoza, A. Vasanthakumar, K.F. Raffa, R.W. Hofstetter, M.P. Ayres, D.L. Six, J.C. Moser. 2007. From attack to emergence: Interactions between southern pine beetle, mites, microbes and trees. Invited Seminar. Northern Arizona University, Flagstaff, AZ.
92. Raffa, K., A. Adams, Y. Cardoza, C. Currie, I. Delalibera, K. Klepzig, and A. Vasanthakumar. 2007. Role of Symbiotic Bacteria in Host Plant Utilization by Bark- and Wood- Boring Beetles: Microscale Processes Mediate Landscape-scale Patterns. Gordon Conference: Plant herbivore interaction. February 18-23, Ventura, CA
93. Negron, J.F., C.J. Fettig, K.D. Klepzig, R.F. Billings, A.S. Munson, T.E. Nebeker, and J.T. Nowak. 2006. Vegetation management and susceptibility to bark beetles. Presented at the 2006 Annual Meeting of the California Forest Pest Council, 14-15 November 2006, Woodland, CA.

94. Xi, W., L. Wang, A.G. Birt, R.N. Coulson, M.D. Tchakerian, D. M. Cairns, C.W. Lafon, J.D. Waldron, and K.D. Klepzig. 2007. An integrated approach to map forest conditions in southern Appalachians. US-IALE-2007. Tucson, AZ.
95. Klepzig, K.D., R.W. Hofstetter, M.P. Ayres and D.L. Six. 2006. Interactions of fungi and tree killing bark beetles: Geographic variation and interspecific competition. Invited presentation. International Mycological Congress. Cairns, Australia.
96. Klepzig, K.D. 2006. New perspectives on the southern pine beetle-microbial symbiosis. The Ophiostomatoid fungi: Expanding frontiers. Brisbane, Australia.
97. Bauman, T., K.D. Klepzig, and R. Rabaglia. 2006. Identification of non-native bark and ambrosia beetles in the early detection rapid response program: A cooperative research/ forest health protection effort. Advances in Threat Assessment and Their Application to Forest and Rangeland Management. Boulder, CO.
98. Klepzig, K.D. 2006. Pestis symbiotica: interactions among beetles, mites, fungi and bacteria within trees. Invited seminar, Cornell University.
99. Rauscher, H.M., J.M. Pye, C.T. Smith, K. Outcalt, D. Lee, T. Shaw, K.D. Klepzig, J.B. Jordin, and W.G. Hubbard. 2006. The Forest Encyclopedia Network: delivering scientific knowledge to forest practitioners. A Southern Region Conference on Technology Transfer and Extension in Natural Resources. Hot Springs, AR.
100. Harrison, D.D., K.D. Klepzig, and Y. Qi. 2006. Effects of methyl jasmonate on the resistance of loblolly pine to southern pine beetle. 14th Biennial Southern Silvicultural Research Conference. Athens, GA.
101. Klepzig, K.D. 2006. Mitigating the impacts of insects on forests through vegetation management: Common sense or controversial science? Invited presentation. Tree Protection Cooperative Program Meeting. University of Pretoria, Pretoria, South Africa.
102. Vasanthakumar, A., K.D. Klepzig, I. Delalibera, P. Schloss, J. Handelsman, and K. F. Raffa. 2006. Characterization of gut bacteria of southern pine beetle and pine engraver based on molecular and culturing methods. Third Bark Beetles Genetics Work Conference, May, 2006., Asheville, NC.
103. Ott, E.P., B.T. Sullivan, K.D. Klepzig, and T.D. Schowalter. 2006. Using chemical ecology techniques to improve baits for exotic ambrosia beetles. Advances in Threat Assessment and Their Application to Forest and Rangeland Management. Boulder, CO.
104. Taerum, S. J., K.D. Klepzig, R.W. Hofstetter, D.L. Six, J.C. Moser, and M.P. Ayres. 2006. Interspecific interactions among symbionts associated with two populations of southern pine beetles (*Dendroctonus frontalis*) North American Forest Insect Work Conference. Asheville, NC.
105. Ott, E.P., B.T. Sullivan, K.D. Klepzig, and T.D. Schowalter. 2006. Chemical ecology of the invasive, exotic ambrosia beetle, *Xylosandrus crassiusculus* (Coleoptera: Curculionidae). North American Forest Insect Work Conference. Asheville, NC.
106. Ott, E.P., B.T. Sullivan, K.D. Klepzig, and T.D. Schowalter. 2006. Fungal Interactions of the Exotic Ambrosia Beetle, *Xylosandrus crassiusculus* (Coleoptera: Curculionidae). North American Forest Insect Work Conference. Asheville, NC.
107. Pechanova, O., T.E. Nebeker, K.D. Klepzig and C. Yuceer. 2006. Proteomics approach for identifying molecular targets in the southern pine beetle mycangial glands. North American Forest Insect Work Conference. Asheville, NC.
108. Klepzig, K.D., Y.M. Kang and C. Yuceer. 2006. Proteomic and microscopic examination of the southern pine beetle-fungus symbiosis. North American Forest Insect Work Conference. Asheville, NC.

109. Kang, Y-M, C. Yuceer, K.D. Klepzig. 2006. Development of a submerged culture system for mapping the proteome of *Entomocorticium sp. A*, a mutualistic fungal associate of the southern pine beetle. North American Forest Insect Work Conference. Asheville, NC.
110. Ott, E.P., B.T. Sullivan, K.D. Klepzig, and T.D. Schowalter. 2006. Chemical ecology, fungal interactions, and forest stand correlations of the exotic ambrosia beetle, *Xylosandrus crassiusculus*. 17th USDA Interagency Research Forum on Gypsy Moth and Other Invasive Species. Annapolis, MD.
111. Klepzig, K.D. 2005. Pestis symbiotica: interactions among beetles, mites, fungi and bacteria within trees. Invited seminar, University of Missouri.
112. Cardoza, Y.J., K.D. Klepzig, and K.F. Raffa. 2005. Endophytic insect deploys bacteria in oral secretions to defend against gallery-invading fungi. Entomological Society of America Annual Meeting, Ft. Lauderdale, FL.
113. Ferro, M., C. Carlton, and K.D. Klepzig. 2005. Effect of loblolly pine coarse woody debris on Coleoptera species richness. Entomological Society of America Annual Meeting. Ft. Lauderdale, FL.
114. Klepzig, K.D., D.L. Six, R.W. Hofstetter, and M.J. Wingfield. 2005. New fungi from an old beetle in Mexico. Southern Forest Insect Work Conference. Austin, TX.
115. Cardoza, Y.J., K.F. Raffa, K.D. Klepzig, C. Currie, and A. Vasanthakumar. 2005. Beetle-fungal-bacterial interactions. Southern Forest Insect Work Conference. Austin, TX.
116. Zhou, X., Z.W. de Beer, K.D. Klepzig, and M.J. Wingfield. 2005. Morphologically similar *Ophiostoma* spp. associated with *Ips calligraphus* (Coleoptera: Scolytinae) from Mexico and the USA. Congresses of the Entomological and Zoological Societies of southern Africa. Grahamstown, South Africa.
117. Klepzig, K.D., D.J. Robison, G. Fowler, P.R. Minchin, F.P. Hain, and H.L. Allen. 2005. Aspects of elicited responses of pines to bark beetles and their associated fungi. South African Society of Plant Pathology Annual Meeting. George, South Africa.
118. Klepzig, K.D. 2004. "Red in tooth and claw": Symbiosis in plant pestilence." Invited Seminar, Department of Entomology, Louisiana State University, Baton Rouge, LA.
119. Coulson, R., F. Stephen, K. Klepzig, F. Oliveria. 2004. The southern pine beetle integrated pest management program: A coalition response to the Healthy Forests Restoration Act. Partnering for Healthy Forests Conference, Little Rock, AR. Invited presentation.
120. Klepzig K.D., J.B. Mahfouz, R.W. Hofstetter, and M.P. Ayres. 2004. Symbiotic secrets: Reciprocity and antagonism in bark beetle-fungal interactions. International Congress of Entomology, Brisbane, Australia.
121. Ayres, M.P., R.W. Hofstetter, M.J. Lombardero, K.D. Klepzig, and J.C. Moser. 2004. When isms collide: Mutualisms, commensalisms and antagonisms among plant enemies. Gordon Research Conference on Plant-Herbivore Interactions. Ventura, CA.
122. Waldron, J., R. Coulson, M. Tchakerian, C. Lafon, D. Cairns, & K. Klepzig. 2004. Modeling Forest Restoration in the Southern Appalachians Following Disturbance by the Southern Pine Beetle. 19th Annual Symposium of the United States Regional Association of the International Association for Landscape Ecology, Las Vegas, Nevada, March 30-April 4, 2004.
123. Klepzig, K.D., I. Delalibera, B.J. Kopper, and K.F. Raffa. 2003. Reciprocity in bark beetle-microbial interactions. IUFRO Working Party on Bark Beetles – "Bark beetle biology and management: From the 1960's to the 21st Century". Blodgett Forest, CA.

124. K.D. Klepzig, and D.L. Six. 2003. Bark beetle fungal symbiosis: Context dependency in complex interactions. Fourth International Congress of Symbiosis, International Symbiosis Society Meeting, Halifax, Canada.
125. Klepzig, K.D., R.W. Hofstetter, M.P. Ayres, B.J. Kopper, and K.F. Raffa. 2003. Net effects: Fungus-insect, fungus-host and fungus-fungus interactions. Southern Forest Insect Work Conference. New Orleans, LA.
126. Klepzig, K.D. 2003. Bark beetles, from plantations to single trees: A USA perspective. Twelfth annual Tree Protection Cooperative Program meeting, Forestry Agricultural and Biotechnology Institute, University of Pretoria, Pretoria, South Africa.
127. K.D. Klepzig, R.W. Hofstetter, M.P. Ayres, and J.C. Moser. 2002. Biology and ecology of southern mycangial beetles and their fungi. Entomological Society of American Annual Meeting, Ft. Lauderdale, FL.
128. R.W. Hofstetter, J.C. Moser, K.D. Klepzig, and B. Fitzgibbon. 2002. The role of fungal-mite interactions in outbreak dynamics of *Dendroctonus mexicanus* and *D. frontalis*. Entomological Society of American Annual Meeting, Ft. Lauderdale, FL.
129. Klepzig, K.D., R.W. Hofstetter, M.P. Ayres, and J.C. Moser. 2002. Mutualism and antagonism in bark beetle-fungus-mite interactions. International Mycological Congress 7. Oslo, Norway.
130. Klepzig, K.D. D. Robison, F. Hain, L. Allen, G. Fowler. 2002. Induced response of loblolly pine to mass inoculation with bark beetle associated fungus. IUFRO Working Party – Tree Resistance to Insects. Flagstaff, AZ.
131. Klepzig, K.D. 2002. Southern Pine Beetle: Problems and solutions. Tennessee Urban Forestry Council, Knoxville, TN. International Society of Arboriculture, Southern Chapter, Memphis, TN.
132. Klepzig, K.D., G. Fowler, D.J. Robison, L. Allen and F. Hain. 2001. "Induced responses of intensively managed loblolly pine to mass inoculation." North American Forest Insect Work Conference, Edmonton, Alberta, Canada.
133. Hofstetter, R.W., K.D. Klepzig, M.P. Ayres, and J.C. Moser. 2000. "Fungus-mite associations and the ecology of southern pine beetle." Joint Annual Meeting - Entomological Society of America/ Canadian Entomological Society. Montreal, Quebec, Canada.
134. Klepzig, K.D., and Z.H. Ning. 2000. "Effects of atmospheric pollutants on susceptibility of loblolly pine to saprogenic fungi." Southern Forest Insect Work Conference, Memphis, TN
135. Klepzig, K.D., J.C. Moser, F.J. Lombardero, R.W. Hofstetter, and M.P. Ayres. 2000. "Symbiosis and competition: Complex interactions among beetles, fungi and mites." Third International Conference on Symbiosis. Marburg, Germany.
136. Klepzig, K.D., and J. Meeker. 2000. Invasive insects: Threats to forest sustainability, opportunities for forest protection." Fragmentation 2000, Annapolis, MD.
137. Klepzig, K.D. 2000. "From Casual to Codependent: Insect-Fungal Interactions". Invited Seminar, Department of Biological Sciences, Dartmouth College, Hanover, NH.
138. Klepzig, K.D. 1999. "Mutualism and antagonism: Ecological interactions among bark beetles, mites and fungi." British Society of Plant Pathology- Biotic Interactions in Plant Pathogen Associations, Oxford, UK.
139. Klepzig, K.D., M. Lombardero, J.C. Moser, and M. Ayres. 1999. "Complexity among complexes: bark beetles, mites and fungi in southern pines". Western Forest Insect Work Conference, Breckenridge, CO

140. Klepzig, K.D. 1999. "Multiple roles for wood colonizing fungi in arthropod life histories". Invited Seminar, Department of Plant Pathology and Crop Physiology, Louisiana State University, Baton Rouge, LA.
141. Klepzig, K.D. 1999. "Bark beetles as indicators of, and factors in, forest health". Invited Seminar. North Carolina State University, Raleigh, NC.
142. Klepzig, K.D. 1998. "Symbiosis and antagonism: Complex interactions among bark beetles, fungi and mites". Invited Seminar. University of Georgia, Athens, GA, and Virginia Tech, Blacksburg, VA.
143. Klepzig, K.D. 1998. "Insects and fungi on the attack". in "Introduction to plant pathology: a learning partnership for teachers and students". American Phytopathological Society / Entomological Society of America Joint Meeting. Las Vegas, NV
144. Klepzig, K.D. 1998. "Bark beetle-fungal interactions at the organismal level". American Phytopathological Society / Entomological Society of America Joint Meeting. Las Vegas, NV

SELECT GRANTS RECEIVED

\$155,000	2022	USDA Forest Service
\$300,000	2004	USDA CSREES NRI Grant
\$327,933	2003	National Science Foundation Grant
\$210,000	2003	USDA CSREES NRI Grant
\$50,000	1999	USDA Forest Service FHTET Competitive Grant
\$20,000	1998	USDA Forest Service Challenge Cost Share Grant
\$16,000	1997	USDA Forest Service Internat. Forestry Competitive Grant
\$22,000	1997	USDA Forest Service BCUCP Competitive Grant
\$55,000	1997	USDA Forest Service Forest Health Competitive Grant
\$22,000	1996	USDA Forest Service BCUCP Competitive Grant
\$2,000	1991	O.N. Allen Graduate Fellowship
\$85,000	1990	USDA - Competitive Grant
\$350	1988	Sigma Xi - Grant in Aid of Research

TEACHING EXPERIENCE

Assistant Professor (2002)	Insect Symbiology
Guest Lecturer (1999)	Urban Forest Ecophysiology
Guest Lecturer (1997-2008)	Forest Insects and Diseases
Guest Lecturer (1996-97)	Plant Health Care 371
Assistant Professor (1994 -95)	Plant Pathology 307, Plant Health Care 371
Associate Lecturer (1993-94)	Plants, Parasites and People 123, Introduction to Plant Pathology 300, Ways of Knowing Biology 150
Teaching Assistant (1990-91)	Plant Pathogenic Fungi 620, Insects and Diseases in Forest Resource Management 500

INTERNATIONAL EXPERIENCE

Collaborative Research (2003-2008)	Forestry Agricultural and Biotechnology Institute, University of Pretoria Pretoria, South Africa
Collaborative Research (1998 - 2008)	El Collegio de la Frontera Sur, Chiapas, Mexico
Collaborative Research (June, 1996)	Department of Plant Protection Sciences, Division of Chemical Ecology, Swedish University of Agriculture at Alnarp, Sweden

SERVICE ACTIVITIES

2006-2017	SRS Representative to Southern Group of State Foresters, Forest Health Task Force
2016	Program Chair, North American Forest Insect Work Conference
2014-2016	Chair, Southern Forest Insect Work Conference
2006	Program Chair, North American Forest Insect Work Conference
1996-2003	Visiting Scientist - Phoenix Magnet Elementary School
1999	Program Chair, Southern Forest Insect Work Conference

PROFESSIONAL ACTIVITY MEMBERSHIPS

Entomological Society of America, Member
Environmental Entomology, Insect-Symbiont Subject Matter Editor

PROFESSIONAL TRAINING

Management Policy Seminar
Congressional Operations Seminar
Field Leadership Forum
Senior Leader Program
Coaching Training
The Art of Thinking Together
High Impact Communication for Scientists
Institute for Georgia Environmental Leadership