

# CURRICULUM VITAE

Updated: March 1, 2024

## **JOSEPH J. HENDRICKS**, Professor

Biology Program, Department of Natural Sciences, College of Arts, Culture, and Scientific Inquiry  
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## **EDUCATION**

- Ph.D.** University of New Hampshire, Institute of Natural Resources (1990 - 1994).  
Dissertation: Assessing the Effects of Nitrogen Availability on Fine Root Turnover and Tissue Chemistry in Forest Ecosystems.
- M.S.** University of Georgia, School of Forest Resources (1986 - 1989).  
Thesis: Nitrogen Fixation and Litter Quality of Understory Legumes in a Burned Pine Forest of the Georgia Piedmont.
- B.S.** Mercer University, Magna cum laude (1982 - 1986). Major: Biology. Minor: Chemistry.

## **EXPERIENCE**

- University of West Georgia, 2006 – Present, Professor of Biology
- University of West Georgia, 2001 - 2006, Associate Professor of Biology.
- State University of West Georgia, 1996 - 2001, Assistant Professor of Biology.
- Joseph W. Jones Ecological Research Center, 1994 - 1996, Postdoctoral Associate.
- University of New Hampshire, 1990 – 1994, NASA Graduate Research Program Participant.
- University of Georgia, 1988 – 1990, Research Technician III.
- University of Georgia, 1986 – 1988, Graduate Research and Teaching Assistant.
- Mercer University, 1984-1986, Undergraduate Teaching Assistant.
- Savannah Science Museum, 1983 - 1986, Research Assistant Leader - Loggerhead Sea Turtle Research Project.

## **HONORS**

- Academic Advisor of the Year 2014-2015, UWG Professional Association of Academic Advisors  
Phi Kappa Phi National Honor Society  
Gamma Sigma Delta Honor Society of Agriculture  
Xi Sigma Pi National Honor Society of Forestry  
Blue Key National Honor Fraternity  
Beta Beta Beta Biological Honor Society  
NASA Training Grant Recipient, University of New Hampshire  
Graduate Assistantship Recipient, University of Georgia  
T.P. Haines Biology Award Recipient 1985 and 1986, Mercer University  
Macon Audubon Society Scholarship Recipient, 1985

## TEACHING

### **Courses Taught** (note: course numbers and titles reflect current listings)

BIOL 1010: Fundamentals of Biology for Non-Majors (F99)

BIOL 1012: Ecology and Environmental Biology (S99, S00, S01, Su18, Su19, Su20, Su21, Su22, Su23)

BIOL 1107: Fundamentals of Biology for Majors (F97, W98)

BIOL 1108: Principles of Biology II (F23)

BIOL 1108L: Principles of Biology II Lab (F23)

BIOL 1110: Biological Diversity (F10)

BIOL 2108L: Principles of Biology II for Majors Lab (S23)

BIOL 2120: Biology Computer Applications (F98, S99, F00, S01, F01, S02, F02, F03, S04, F04, F05, S06, F06, S07, F07, S08)

BIOL 2130: Sophomore Biology Seminar (S97)

BIOL 2135: Ecology, Evolution, and Experimental Biology (F00, S01, F01, S02, F02, S03, F03, S04, F04, S05, F05, S06, F06, S07, F07, S08)

BIOL 2135L: Ecology, Evolution, and Experimental Biology Lab (F00, S01, F01, S02, F02, F03, S04, F04, F05, S06, F06, S07, F07, S08)

BIOL 3135: Ecology (F96, F97, F98, S00, F08, S09, F09, S10, Su10, S11, Su11, F11, S12, Su12, F12, S13, Su13, F13, S14, Su14, F14, S15, Su15, F15, S16, Su16, F16, S17, Su17, F17, S18, Su18, F18, S19, Su19, F19, S20, Su20, F20, S21, Su21, F21, S22, Su22, F22, S23, S24)

BIOL 3221: Plant Taxonomy (S97, S98, Su05)

BIOL 3223/6985: Vascular Plants/Botany (W97, W98, S99, F00)

BIOL 4424/5424: Wildlife Habitat Ecology (F08, F09, F10, F11, F12, F13, F14, F15, F16, F17, F18, F19, F20, F21, F22, F23)

BIOL 4450/5450: Terrestrial Ecology (S03, S05, S09, S10, S11, S12, S13, S14, S15, S16, S17, S18, S19, S20, S21, S22, S23)

BIOL 4984: Senior Biology Seminar (F10, F12, S14, Su16, S17, S24)

BIOL 4985/5985: Environmental Stress (F98)

BIOL 6984: Graduate Biology Seminar (S98, S00, F05)

ISCI 2001 (S24)

### **Certifications**

Georgia Department of Natural Resources – Project LEARNING TREE

Georgia Department of Natural Resources – Project WET

Georgia Department of Natural Resources – Project WILD

Quality Matters – Designing Your Online Course (DYOC)

Quality Matters – Independent Applying the QM Rubric (APPQMR)

## Undergraduate Student Work Directed

Hatch, A. Maria (Fall 1996)  
Hill, Thomas L. (Spring 1997)  
Cato, Candace D. (Winter 1998)  
Crocker, Tracey L. (Spring 1998)  
Yarbrough, Joey G. (Spring 1999)  
Nix, Russell J. (Spring 2000)  
Rampy, T. Russell. (Spring 2000)  
Green, Kevin M. (Summer 2000)  
Richey, Billi Jo (Summer 2001)  
Tuck, Jennifer B. (Summer 2001)  
Williams, Justin H. (Fall 2001)  
Colley, Angela M. (Summer 2002)  
Nix, Russell J. (Summer 2002)  
Earnest, Kate (Summer 2002)  
Snow, Sara (Summer 2002)  
Mostowy, Tara L. (Spring 2003)  
Jenkins, Sarah B. (Fall 2003)  
Earnest, Kate (Summer 2004)  
Mostowy, Tara L. (Fall 2005)  
Beck, Jason L. (Fall 2006)  
Fowler, Matthew D. (Spring 2007)  
Taylor, Charles A. (Fall 2007)  
Weaver, Anabelle R. (Spring 2008)  
Akins, Joshua M. (Fall 2008)  
Holland, J. Blake (Fall 2008)  
Eubanks, Jeffrey B. (Fall 2009)  
Daniel, Kendria L. (Summer 2010)  
Bond, Ashley C. (Summer 2011)  
Davis, Brittany J. (Fall 2011)  
Herrera, Nicolas (Fall 2012)  
Hooker, Michael S. (Fall 2012)  
Zimmerman, Ashley L. (Fall 2012)  
Bell, Zachary (Spring-Fall 2013)  
Apperson, Amelia (Fall 2013)  
Buckner, Cameron (Spring 2014)  
Warren, Tanner (Spring 2015)  
Adoba, Mel (Spring 2016)  
Alabre, Dino (Spring 2016)  
Gilbert, Courtney (Spring 2016)  
Quintana, Everett (Spring 2016)  
Adoba, Mel (Spring 2017)  
Daniel, Dalton (Spring 2017)  
Fain, Greg (Spring 2017)  
Kosmala, Morgan (Spring 2017)  
Banks, Tyler (Fall 2018)  
Borbor, Arelene (Fall 2018)  
Harris, Ivy (Fall 2018)  
Hayford, Nathan (Fall 2018)  
Cox, Octavian (Spring 2019)  
Holliday, Kavion (Spring 2019)  
Keierleber, Brianna (Spring 2019)  
Okim, Emmanuel (Spring 2019)  
Shellabarger, Christian (Spring 2019)  
Uter, Chase (Spring 2019)  
Abraham, Dominic (Fall 2019)  
Gardner, Mint (Fall 2019)  
Holliday, Kavion (Fall 2019)  
Smith, Jayla (Fall 2019)  
Still, Kaylee (Fall 2019)  
Ude, Anthony (Fall 2019)  
Hettmansperger, Jonah (Spring 2020)  
Holliday, Kavion (Spring 2020)  
Pinto, Kysis (Spring 2020)  
Still, Kaylee (Spring 2020)  
Aaron Klamfoth (Fall 2021)  
Zyn Liang (Fall 2021)  
Jasmine Taylor (Fall 2021)  
Jasmine Taylor (Spring 2022)  
Caitlyn Barton (Fall 2022)  
Brandon Jones (Fall 2022)  
Caitlyn Barton (Spring 2022)  
Caitlyn Barton (Fall 2022)  
Caitlyn Barton (Spring 2023)  
Pedro Vega Alvarez (Spring 2024)

## Undergraduate Student (\*) Publications

Hendricks, J.J., R.J. Mitchell, K.M. Green\*, T.L. Crocker\*, and J.G. Yarbrough\*. 2004. Assessing the <sup>15</sup>N concentration of plant-available soil nitrogen. *Communications in Soil Science and Plant Analysis* 35: 1207-1217.

## Undergraduate Student Awards

Rampy, T.R. - First Place, Undergraduate Biology Division, Georgia Academy of Science. 2000.

Nix, R.J. Special Commendation, Big Night 2000.

Buckner, C. Second Place, Poster Division. Big Night 2014.

## Graduate Student Work Directed/Advised

- Carter, Durwin C. 2001. Carbon-fine root allocation and transfer at ecosystem scales (C-FATES).
- Bouthillier, William J. 2002. The effects of riparian buffer width on avian use in the piedmont of western Georgia.
- Bennett, Brianna E. 2005. Restoring fire in a long-unburned mountain longleaf pine forest: impact on fine roots and mycorrhizal fungi.
- Sims, Stephanie E. 2005. Carbon source-sink controls on mycorrhizal fungi production in a longleaf pine forest.
- Holland, J. Blake. 2011. The abundance, biomass, and N<sub>2</sub>-fixation activity of native herbaceous legumes in regularly burned pine forests of the Piedmont National Wildlife Refuge.
- Heard, Philip D.L. 2012. Mycorrhizal fungal community composition in a longleaf pine forests.
- Hubbartt, John S. 2012. Patterns and controls of native herbaceous legume forage quality in regularly burned pine forests of the Piedmont National Wildlife Refuge.
- Stogner, Jonathan B. 2016. Patterns and controls of legume foliar litter decomposition in regularly burned loblolly pine forests of the Georgia Piedmont.
- Barton, Caitlyn E. 2023. In Progress.

## Graduate Student Publications

- Carter, D.C.**, J.J. Hendricks, R.J. Mitchell, and S.D. Pecot. 2004. Fine root carbon allocation and fates in longleaf pine forests. *Forest Science* 50: 177-187.
- Hendricks, J.J., R.J. Mitchell, K.A. Kuehn, S.D. Pecot, and **S.E. Sims**. 2006. Measuring external mycelia production of ectomycorrhizal fungi in the field: the soil matrix matters. *New Phytologist* 171: 179-186.
- Sims, S.E.**, J.J. Hendricks, R.J. Mitchell, K.A. Kuehn, and S.A. Pecot. 2007. Nitrogen decreases and precipitation increases ectomycorrhizal extramatrical mycelia production in a longleaf pine forest. *Mycorrhiza* 17: 299-309.
- Hendricks, J.J., **J.B. Holland**, and **J.S. Hubbartt**. 2019. Assessing the role of native herbaceous legumes in the nitrogen cycle of regularly burned loblolly pine forests. *Forest Ecology and Management* 438: 123-133.
- Stogner, J.B.**, D.B. Hall, M. Yu, and J.J. Hendricks. 2023. Legume versus non-legume foliar litter decomposition in regularly burned loblolly pine forests. *Forest Ecology and Management*. <https://doi.org/10.1016/j.foreco.2023.121500>.

## Graduate Student Awards

- Bennett, B.E. First Place, Graduate Biology Division, Georgia Academy of Science. 2005.
- Hubbartt, J.S. First Place, Graduate Biology–Science Division, Cullowhee Native Plant Conference. 2012.

## Graduate Student Committee Member: (1996 - Present)

### Thesis-Track

Arts, Kassandra J.  
Bennett, Brianna E. (chairman)  
Baldwin, Michelle E.  
Barger, Priscilla  
Barton, Caitlyn E. (chairman)  
Bouthillier, William J. (chairman)  
Brand, P. Patrick  
Carter, Durwin C. (chairman)  
Cornelison, W. Cody  
Dunning, Autumn M.  
George, Amy K.  
Geier, Nadja  
Gilley, Daniel J.  
Graham, Meghan B.  
Harding, Ellery R.  
Hayes, Valerie  
Heard, Philip D. L. (co-chairman)  
Holland, J. Blake (chairman)  
Holt, W. Adam  
Hubbart, John S. (chairman)  
Johnson, Gina M.  
Jones, Cody D.  
Mayer, Robert E. Jr.  
Milam, Ashley B.  
Piatt, Bridget E.  
Piper, Stephanie V.  
Pitt, Andrew P.  
Purcell, Matthew T.  
Pynne, Justin T.  
Saunders, Toby N.  
Sims, Stephanie E. (chairman)  
Smallwood, Justin D.  
Sparks, J.T.  
Sprayberry, Tyler  
Stogner, Jonathan B. (chairman)  
Torrey, Kaitlyn R.  
Touchstone, Terry H.  
Weaver, Anne R.  
Wyatt, H. Douglas, Jr.  
Zaborowski, Dale A.

### Non-Thesis Track

Acree, Amber N.  
Ancrum, Tiffany M.  
Anderson, Jessica R.  
Blackmon, Roni C.  
Cocchiere, Christopher A. (chairman)  
Cook, Stephanie  
Dreyer, Keith J.  
Hack, Charity D.  
Hamby, Terri L.  
Hargrove, Brittany D. (chairman)  
Harper, Erin L.  
Hassenger, Kurt D. (chairman)  
Hill, Thomas L. (chairman)  
Hudson, Michael J.  
Jaracz, Jennifer M.  
Kirkland, Holly  
Klemm, Rhonda K.  
Korn, Randi-Lynn  
Kuckucka, Margaret  
Lazer-Hansen, Kelly R.  
Locklear, Tina M.  
McGuffee, Wendee A.  
Moule, Brett M.  
Nowicki, Phillip D. (chairman)  
Nyuma, Amanda (chairman)  
Olorunfemi, Aramide  
Patel, Bhupendra A.  
Phan, Shelby L.  
Pinto, Kysis (chairman)  
Post, Melissa  
Robbins, Ross  
Rowe, Erica  
Smith, Mindy F.  
Stapleton, Amanda R.  
Stell, Amie  
Tabit, Sharon W.  
Trotter, William  
Weaver, Anabelle R.  
Yarbrough, Joey G. (chairman)

## PROFESSIONAL GROWTH AND DEVELOPMENT

### Publications – Refereed Journal Articles

- Stogner, J.B., D.B. Hall, M. Yu, and J.J. Hendricks. 2023. Legume versus non-legume foliar litter decomposition in regularly burned loblolly pine forests. *Forest Ecology and Management*. <https://doi.org/10.1016/j.foreco.2023.121500>.
- Hendricks, J.J., J.B. Holland, and J.S. Hubbartt 2019. Assessing the role of native herbaceous legumes in the nitrogen cycle of regularly burned loblolly pine forests. *Forest Ecology and Management* 438: 123-133.
- Hendricks, J.J., R.J. Mitchell, K.A. Kuehn, and S.D. Pecot. 2016. Ectomycorrhizal fungal mycelia turnover in a longleaf pine forest. *New Phytologist*, 209: 1693-1704.
- Aubrey, D.P., B. Mortazavi, J.J. O'Brien, J.D. McGee, J.J. Hendricks, K.A. Kuehn, R.O. Teskey, and R.J. Mitchell. 2012. Influence of repeated canopy scorching on soil CO<sub>2</sub> efflux. *Forest Ecology and Management* 282: 142-148.
- Guo, D., R.J. Mitchell, J.M. Withington, P.P. Fan, and J.J. Hendricks. 2008. Endogenous and exogenous controls of root lifespan, mortality and nitrogen flux in a longleaf pine forest: root branch order predominates. *Journal of Ecology* 96: 737-745.
- Guo, D., H. Li, R.J. Mitchell, W. Han, J.J. Hendricks, T.J. Fahey, and R.L. Hendrick. 2008. Fine root heterogeneity by branch order: exploring the discrepancy in root turnover estimates between minirhizotron and carbon isotopic methods. *New Phytologist* 177: 443-456.
- Sims, S.E., J.J. Hendricks, R.J. Mitchell, K.A. Kuehn, and S.A. Pecot. 2007. Nitrogen decreases and precipitation increases ectomycorrhizal extramatrical mycelia production in a longleaf pine forest. *Mycorrhiza* 17: 299-309.
- Hendricks, J.J., R.J. Mitchell, K.A. Kuehn, S.D. Pecot, and S.E. Sims. 2006. Measuring external mycelia production of ectomycorrhizal fungi in the field: the soil matrix matters. *New Phytologist* 171: 179-186.
- Hendricks, J.J., R.L. Hendrick, C.A. Wilson, R.J. Mitchell, S.D. Pecot, and D. Guo. 2006. Assessing the patterns and controls of fine root dynamics: an empirical test and methodological review. *Journal of Ecology* 94: 40-57.
- Boring, L.R., C.A. Wilson, J.J. Hendricks, and R.J. Mitchell. 2004. Season of burn and nutrient losses in a longleaf pine ecosystem. *International Journal of Wildland Fires* 13: 443-453.
- Carter, D.C., J.J. Hendricks, R.J. Mitchell, and S.D. Pecot. 2004. Fine root carbon allocation and fates in longleaf pine forests. *Forest Science* 50: 177-187.
- Guo, D.L., R.J. Mitchell, and J.J. Hendricks. 2004. Fine root branch orders respond differentially to carbon source-sink manipulations in a longleaf pine forest. *Oecologia* 140: 450-457.
- Hendricks, J.J., R.J. Mitchell, K.M. Green, T.L. Crocker, and J.G. Yarbrough. 2004. Assessing the <sup>15</sup>N concentration of plant-available soil nitrogen. *Communications in Soil Science and Plant Analysis* 35: 1207-1217.
- Hiers, J.K., R.J. Mitchell, L.R. Boring, J.J. Hendricks, and R. Wyatt. 2003. Legumes native to longleaf pine savannas exhibit capacity for high N<sub>2</sub>-fixation rates and negligible impacts due to timing of fire. *New Phytologist* 157: 327-338.

- Hendricks, J.J., C.A. Wilson, and L.R. Boring. 2002. Foliar litter position and decomposition in a fire-maintained longleaf pine-wiregrass ecosystem. *Canadian Journal of Forest Research* 32: 928-941.
- Wilson, C.A., R.J. Mitchell, L.R. Boring, and J.J. Hendricks. 2002. Soil nitrogen dynamics in a fire-maintained forest ecosystem: results over a 3-year burn interval. *Soil Biology and Biochemistry* 34: 679-689.
- Hendricks, J.J., J.D. Aber, K.J. Nadelhoffer, and R.D. Hallett. 2000. Nitrogen controls on fine root substrate quality in temperate forest ecosystems. *Ecosystems* 3: 57-69.
- Wilson, C.A., R.J. Mitchell, J.J. Hendricks, and L.R. Boring. 1999. Patterns and controls of ecosystem function across a complex environmental gradient in longleaf pine-wiregrass savannas: I. nitrogen dynamics. *Canadian Journal of Forest Research* 29: 752-760.
- Hendricks, J.J., and L.R. Boring. 1999. N<sub>2</sub>-fixation by native herbaceous legumes in burned pine ecosystems of the southeastern United States. *Forest Ecology and Management* 113: 167-177.
- Hendricks, J.J., K.J. Nadelhoffer, and J.D. Aber. 1997. A <sup>15</sup>N tracer technique for assessing fine root production and turnover. *Oecologia* 112: 300-304.
- Magill, A.H., J.D. Aber, J.J. Hendricks, R.D. Bowden, J.M. Melillo, and P.A. Steudler. 1997. Biogeochemical responses of forest ecosystems to simulated chronic nitrogen deposition. *Ecological Applications* 7: 402-415.
- Hendricks, J.J., K.J. Nadelhoffer, and J.D. Aber. 1993. Assessing the role of fine roots in carbon and nutrient cycling. *Trends in Ecology and Evolution* 8:174-178.
- Hendricks, J.J., and L.R. Boring. 1992. Litter quality of native herbaceous legumes in a burned pine forest of the Georgia Piedmont. *Canadian Journal of Forest Research* 22: 2007-2010.

### **Publications – Lab Manuals, Book Chapters, Proceedings, and Special Reports**

- Boring, L.R., J.J. Hendricks, R.S. Taylor, and D. Markewitz. 2017. Chapter 7: Ecosystem Processes and Restoration. In (L.K. Kirkman and S.B. Jack, Eds.), *Ecological Restoration and Management of Longleaf Pine Forests*. CRC Press.
- Hendricks, J.J., D. Morgan, and N.L. Penceo. 2012. *Biology 1110 Laboratory Manual*, 1<sup>st</sup> Edition. University of West Georgia.
- Aber, J., A. Magill, K. Nadelhoffer, J. Melillo, P. Steudler, J. Hendricks, R. Bowden, W. Currie, W. McDowell, and G. Berntson. 2004. Chapter 12: Exploring the process of nitrogen saturation. In (D. Foster and J. Aber, eds.), *Forests in Time: The Environmental Consequences of 1000 Years of Change in New England*. Yale University Press, New Haven and London.
- Boring, L.R., J.J. Hendricks, and M.B. Edwards. 1991. Loss, retention, and replacement of nitrogen associated with site preparation burning in southern pine-hardwood forests. Pp.145-153. In (S.C. Nodvin and T.A. Waldrop, eds.) *Fire and the Environment: Ecological and Cultural Perspectives: Proceedings of an International Symposium, March 20-24, 1990*. Knoxville, TN. General Technical Report SE-69. 429 pp.
- Boring, L.R., and J.J. Hendricks. 1989. State-of-the-science report: characterization of nitrogen inputs and key cycling processes in forest ecosystems. *State of the Science Assessment: Watershed and Estuarine Nitrogen Transport and Effects*. Thomas E. Waddell, Principal Author. U.S. Environmental Protection Agency.

## Presentations (Selected Presentations from September 1996 to Present)

- Barton, C., and J.J. Hendricks. 2023. *Desmodium viridiflorum* propagation techniques – seed germination vs. root cuttings. 2023 UWG Scholars' Day Undergraduate Research Conference, Carrollton, GA (April 4, 2023).
- Taylor, J., and J.J. Hendricks. 2022. Does animal tissue decay vary by tissue type and position in a pine forest ecosystem? 2022 UWG Scholars' Day Undergraduate Research Conference, Carrollton, GA (April 5, 2022).
- Still, K.E., J.G. Hettmansperger, and J.J. Hendricks. 2020. Effects of acid scarification and cold stratification on *Desmodium* spp. seed germination rates. Abstract accepted for presentation at the 2020 UWG Scholars' Day Undergraduate Research Conference, Carrollton, GA (2020). [Note: This conference was canceled due to public health concerns related to COVID-19.]
- Hubbartt, J., and J. Hendricks. 2019. Native herbaceous legume N<sub>2</sub>-fixation activity in regularly burned pine forests of the Piedmont National Wildlife Refuge. Georgia Chapter of the Wildlife Society Annual Meeting, September 12-13, 2019. Carrollton, GA.
- Cox, O., I. Harris, K. Holliday, C. Utter, J. Williams, and J. Hendricks. 2019. The effects of burn frequency on soil pH at the Piedmont National Wildlife Refuge. UWG Undergraduate Research Conference, April 2, 2019. Carrollton, GA.
- Hayford, N., S. Blanks, I. Harris, K. Holliday, B. Keierleber, E. Okim, C. Shellabarger, J. Williams, and J. Hendricks. 2019. Prescribed burning – ash production and liming effects in loblolly pine forests. UWG Undergraduate Research Conference, April 2, 2019. Carrollton, GA.
- Baylen, D., J. Hendricks, A. Cook, and K. Thomas. 2017. SMART Professional Development for Elementary Teachers on Georgia's Ecosystems. The 2017 Georgia Science Teachers Association Conference. February 2-4, 2017. Stone Mountain, Georgia.
- Alabre, D., M. Adoba, C. Gilbert, B. Stogner, and J. Hendricks. 2016. Patterns and controls of foliar decomposition in frequently burned loblolly pine forests. University of West Georgia Big Night 2016. April 13, 2016.
- Alabre, D., B. Stogner, and J. Hendricks. 2016. Foliar tissue decomposition dynamics in early and late stage forests. GA-AL LSAMP Conference. April 16, 2016. Clark Atlanta University. Atlanta, Georgia.
- Gilbert, C., D. Alabre, M. Adobah, B. Stogner, and J. Hendricks. 2016. Foliar decomposition nitrogen dynamics in frequently burned loblolly pine forests. University of West Georgia Big Night 2016. April 13, 2016.
- Buckner, C., B. Stogner, and J. Hendricks. 2014. Patterns and controls of foliar litter decomposition in loblolly pine forests. GA-AL LSAMP Conference. April 12, 2014. Clark Atlanta University. Atlanta, Georgia.
- Hendricks, J.J. 2012. Mycorrhizal fungi dynamics in longleaf pine forests. University of West Georgia Biology Department Seminar Series. October 12, 2012. Carrollton, Georgia.
- Hendricks, J.J., R.J. Mitchell, K.A. Kuehn, P.D.L. Heard, L.G. Kral, and S.D. Pecot. 2012. Ectomycorrhizal extramatrical mycelial dynamics in a longleaf pine forest. The 2012 Cullowhee Native Plant Conference. July 18-20, 2012. Cullowhee, North Carolina.

- Hubbart, J.S., J.B. Holland, and J.J. Hendricks. 2012. Abundance, biomass, and substrate quality of native herbaceous legumes in regularly burned mixed pine-hardwood forests. The 2012 Cullowhee Native Plant Conference. July 18-20, 2012. Cullowhee, North Carolina.
- Mitchell, R.J., J.J. Hendricks, and D. Guo. 2008. De-fining fine roots. The 2007 Annual Meeting of the American Society of Horticultural Science. July 21-24, 2007. Orlando, Florida.
- Hendricks, J.J., R.J. Mitchell, K.K. Kuehn, J.J. O'Brien, and D. Guo. 2008. Carbon fine root allocation and transfer at ecosystem scales: root architecture, mycorrhizae, and stored carbon regulation of belowground dynamics. NRI Managed Ecosystems Project Directors Meeting in conjunction with the Association of Natural Resource Extension Professionals Conference. May 19, 2008. Madison, Wisconsin.
- Mitchell, R.J., J.J. Hendricks, K.A. Kuehn, and J.J. O'Brien. 2006. Carbon fine root allocation at ecosystem scales. The 2006 Annual Meeting of the Soil Science Society of America. November 12-16, 2006. Indianapolis, Indiana.
- Mitchell, R.J., J.J. Hendricks, D. Guo, and N. Jansen. 2006. Linking structure to function: root branching order, mycorrhizal fungi, and the flow of energy and nutrients belowground. The 2006 Annual Meeting of the Ecological Society of America. August 6-11, 2006. Memphis, Tennessee.
- Bennett, B.E., and J.J. Hendricks. 2005. Reintroduction of fire in a long-unburned mountain longleaf pine forest – impacts on fine root and mycorrhizal dynamics. The 2005 Annual Meeting of the Georgia Academy of Science. April 1-2, 2005. Barnesville, Georgia.
- Sims, S.E., and J.J. Hendricks. 2005. Carbon source and sink controls on mycorrhizal fungi production in a longleaf pine forest. The 2005 Annual Meeting of the Georgia Academy of Science. April 1-2, 2005. Barnesville, Georgia.
- Guo, D., R.J. Mitchell, and J.J. Hendricks. 2003. Responses of fine roots to altered C source and sink strength differ with root branching order in a longleaf pine ecosystem. The 2003 Annual Meeting of the Ecological Society of America. August 2-6, 2003. Savannah, Georgia.
- Hendricks, J.J., R.J. Mitchell, R.L. Hendrick, C.A. Wilson, and M.K. Mulligan. 1999. Fine root production in longleaf pine-wiregrass ecosystems. The 1999 University System of Georgia State of the Art in Biology Symposium. January 29-30, 1999. Athens, Georgia.
- Hendricks, J.J., D.C. Carter, R.J. Mitchell, and M.D. Hunter. 1999. Carbon fine root allocation and transfer at ecosystem scales (C-FATES). Toward the Application of Process Models to Sustainable Management of Southern Pine Forests. June 8-11, 1999. Asheville, North Carolina.
- Mitchell, R.J., J.J. Hendricks, R.L. Hendrick, S.D. Pecot, C.A. Wilson, and L.R. Boring. 1999. Patterns and controls on above and below ground net primary productivity of longleaf pine-wiregrass woodlands across a complex environmental gradient. Toward the Application of Process Models to Sustainable Management of Southern Pine Forests. June 8-11, 1999. Asheville, North Carolina.
- Boring, L.R., J.J. Hendricks, and C.A. Wilson. 1999. Patterns and controls of foliar litter decomposition in longleaf pine-wiregrass ecosystems. The 2<sup>nd</sup> North American Forest Ecology Workshop. June 27-30, 1999. Orono, Maine.
- Wilson, C.A., R.J. Mitchell, J.J. Hendricks, and L.R. Boring. 1999. Nitrogen availability in a longleaf pine-wiregrass woodland over a 3-year burn cycle. The 2<sup>nd</sup> North American Forest Ecology Workshop. June 27-30, 1999. Orono, Maine.

- Boring, L.R., R.J. Mitchell, J.J. Hendricks, and C.A. Wilson. 1999. Nitrogen loss, retention, and replacement associated with prescribed burning in longleaf pine-wiregrass ecosystems. The 1999 Annual Meeting of the Ecological Society of America. August 4-8, 1999. Spokane, Washington.
- Hendrick, R.L., J.J. Hendricks, and R.L. Mitchell. 1999. Critical evaluation of field applicable root production assessment techniques. International Symposium, Dynamics of Physiological Processes in Woody Roots. September 26-30, 1999. Nancy, France.
- Hendricks, J.J., R.L. Hendrick, R.J. Mitchell, and C.A. Wilson. 1999. Fine root production and mortality in longleaf pine-wiregrass ecosystems. The 1999 Annual Meeting of the Soil Science Society of America. October 31 - November 4, 1999. Salt Lake City, Utah.
- Cato, C.D., J.N. Mathis, J.J. Hendricks, and G.J. Stewart. 1998. Can BIOLOG be used in the identification of *Rhizobium leguminosarum biovar trifolii* isolated from two species of clover? The 1998 National Minority Research Symposium. November 21-24, 1998. New York, New York.
- Wilson, C.A., R.J. Mitchell, J.J. Hendricks, and L.R. Boring. 1998. Nitrogen availability in longleaf pine-wiregrass woodlands over a 3-year burn cycle. Annual Longleaf Alliance Symposium. November 17-19, 1998. Charleston, South Carolina.
- Hiers, J.K., R.J. Mitchell, J.J. Hendricks, M.J. Hains, R. Wyatt, and L.R. Boring. 1998. Legume function in longleaf pine-wiregrass savannas. Annual Longleaf Alliance Symposium. November 17-19, 1998. Charleston, South Carolina.
- Carter, D.C., J.J. Hendricks, R.J. Mitchell, and R.L. Hendrick. 1998. Carbon-Fine root Allocation and Transformations at Ecosystem Scales (C-FATES): a test of a conceptual model of belowground dynamics in longleaf pine forests. Annual Longleaf Alliance Symposium. November 17-19, 1998. Charleston, South Carolina.
- Boring, L.R., J.J. Hendricks, C.A. Wilson, and M.L. Cobb. 1998. Assessing the patterns and controls of foliar litter decomposition in longleaf pine-wiregrass ecosystems. Annual Longleaf Alliance Symposium. November 17-19, 1998. Charleston, South Carolina.
- Wilson, C.A., R.J. Mitchell, J.J. Hendricks, and L.R. Boring. 1998. Nitrogen availability in longleaf pine-wiregrass woodlands over a 3-year burn cycle. The 1998 Annual Meeting of the Ecological Society of America. August 2-6, 1998. Baltimore, Maryland.
- Hendricks, J.J., R.J. Mitchell, R.L. Hendrick, C.A. Wilson, and M.K. Mulligan. 1998. Fine root production and mortality in longleaf pine-wiregrass ecosystems. The 1998 Annual Meeting of the Ecological Society of America. August 2-6, 1998. Baltimore, Maryland.
- Mitchell, R.J., S.D. Pecot, C.A. Wilson, L.K. Kirkman, L.R. Boring, R.C. Helton, and J.J. Hendricks. 1998. Controls on productivity of longleaf pine-wiregrass ecosystems across wide environmental gradients. The 1998 Meeting of the North American Forest Biology Workshop. June 21-26, 1998. Victoria, British Columbia, Canada.
- Hendricks, J.J., R.J. Mitchell, R.L. Hendrick, and C.A. Wilson. 1998. Fine root production and mortality in longleaf pine-wiregrass ecosystems. The 1998 Meeting of the North American Forest Biology Workshop. June 21-26, 1998. Victoria, British Columbia, Canada.
- Wilson, C.A., R.J. Mitchell, L.R. Boring, D.C. Carter, M.L. Cobb, and J.J. Hendricks. 1997. Nitrogen availability in a longleaf pine-wiregrass forest as related to site productivity: comparisons of net and gross mineralization rates. The 1997 Annual Meeting of the Ecological Society of America. August 10-14, 1997. Albuquerque, New Mexico.

- Pecot, S.D., R.J. Mitchell, J. Vose, W.K. Michener, and J.J. Hendricks. 1997. Variation in soil CO<sub>2</sub> flux within and among sites in longleaf pine-wiregrass communities. The 1997 Annual Meeting of the Ecological Society of America. August 10-14, 1997. Albuquerque, New Mexico.
- Hendricks, J.J., R.J. Mitchell, R.L. Hendrick, C.A. Wilson, and M.K. Mulligan. 1997. Fine root production and turnover in longleaf pine-wiregrass ecosystems estimated using multiple methods. The 1997 Annual Meeting of the Ecological Society of America. August 10-14, 1997. Albuquerque, New Mexico.
- Boring, L.R., J.J. Hendricks, C.A. Wilson, and M.L. Cobb. 1997. Assessing the patterns and controls of foliar litter decomposition in longleaf pine-wiregrass ecosystems. The 1997 Annual Meeting of the Ecological Society of America. August 10-14, 1997. Albuquerque, New Mexico.
- Wilson, C.A., R.J. Mitchell, L.R. Boring, J.J. Hendricks, and D.C. Carter. 1997. Patterns of nitrogen and phosphorus availability as related to site productivity. The First Biennial North American Forest Ecology Workshop. June 24-26, 1997. Raleigh, North Carolina.
- Mitchell, R., S. Pecot, C. Wilson, K. Kirkman, J. Hendricks, R. Hendrick, B. Palik, L. Boring, and M. Drew. 1997. Controls on productivity of longleaf pine-wiregrass ecosystems across wide environmental gradients. The First Biennial North American Forest Ecology Workshop. June 24-26, 1997. Raleigh, North Carolina.
- Hiers, K., J.J. Hendricks, M. Hains, R.J. Mitchell, L.R. Boring, B.J. Palik, D.J. Gjerstad, and R. Wyatt. 1997. Role of legumes in frequently burned longleaf pine-wiregrass ecosystems. The First Biennial North American Forest Ecology Workshop. June 24-26, 1997. Raleigh, North Carolina.

#### **Additional Meetings Attended During this Evaluation Period**

- Georgia Beekeepers Association Spring 2024 Conference. February 16-17, 2024.
- Georgia Beekeepers Association Spring 2023 Conference. February 17-18, 2023.
- Georgia Beekeepers Association Spring 2022 Conference. February 18-19, 2022.
- Georgia Beekeepers Association Fall 2021 Conference. September 23-25, 2021. Attended virtually.
- Georgia Beekeepers Association Spring 2021 Conference. February 20-21, 2021. Attended virtually.
- Creating Stability and Sustainability in Your Apiary. Sponsored by Mann Lake. February 17- March 10, 2021, Weekly online sessions.
- Bee Keeping Workshop. Sponsored by the Carrol County Young Farmers. February 4, 2020. Carrollton, GA.
- Agro-Forestry & Wildlife Field Day. Sponsored by the University of Georgia, Georgia Forestry Commission, Georgia Department of Natural Resources, U.S. Department of Agriculture, and Abraham Baldwin Agricultural College. September 20, 2018. Griffin, GA.
- Georgia Pollinator Conservation & Farmscaping Short Course. Sponsored by the Xerces Society for Invertebrate Conservation. October 14, 2016. Alma, GA.

## Grants

### Federal

- Baylen, D.M., and J.J. Hendricks. 2017. Expanding Elementary Teachers' Content Knowledge of Ecosystems Across Georgia. Improving Teacher Quality Grants Program. Funded March 1, 2017 for \$38,047.
- Baylen, D.M., and J.J. Hendricks. 2016. Enhancing Elementary Teachers' Content Knowledge of Ecosystems Across Georgia. Improving Teacher Quality Grants Program. Funded February 4, 2016 for \$40,885.
- Mitchell, R.J., J.J. Hendricks, K.A. Kuehn, and J.J. O'Brien. 2006. Carbon fine root allocation and transfer at ecosystem scales: root architecture, mycorrhizae, and stored carbon regulation of belowground dynamics. U.S.D.A. National Research Initiative Competitive Grants Program. Award: \$440,000.
- Mayer, J., C. Hollabaugh, J. Hendricks, and A. Leavitt. 2001. Acquisition of an ion chromatograph for multidisciplinary water-chemistry analysis. National Science Foundation. Award: \$20,000.
- Hendricks, J.J., R.J. Mitchell, and M.D. Hunter. 1999. Nitrogen controls on belowground carbon allocation and fates at ecosystem scales. U.S.D.A. National Research Initiative Competitive Grants Program. Award: \$400,000.

### State

- Hendricks, J.J. and T.W. Barger. 2002. Herbarium curator. Student Research/Project Assistantship Program, State University of West Georgia. Award: \$1,800.
- Hendricks, J.J. 1999. Effects of elevated CO<sub>2</sub> on belowground dynamics of plant communities. Faculty Research Enhancement Award. Award: \$1,200.
- Hendricks, J.J. 1998. Assessing the N<sub>2</sub>-fixation activity of legumes in regularly burned forest ecosystems. State University of West Georgia, Faculty Research Enhancement Award. Award: \$1,390.
- Hendricks, J.J. 1997. Assessing the <sup>15</sup>N concentration of plant-available soil nitrogen. State University of West Georgia, Faculty Research Enhancement Award. Award: \$700.
- Hendricks, J.J. 1996. Effects of acid rain on foliar nitrogen retranslocation in forests. State University of West Georgia, Faculty Research Enhancement Award. Award: \$2,497.

### Private

- Hendricks, J.J. 1998. Assessing the N<sub>2</sub>-fixation activity of native herbaceous legumes in longleaf pine-wiregrass ecosystems. Jones Ecological Research Center Award. Award: \$16,510.15.
- Hendricks, J.J. 1997. Assessing the role of fine roots in the structure and function of longleaf pine-wiregrass forest ecosystems. Jones Ecological Research Center. Award: \$12,889.56.

## Professional Service

### Review of Manuscripts for Professional Journals

Agronomy (2019, 2019)  
Alabama Academy of Science Journal (2005)  
American Journal of Botany (1999)  
Annals of Forest Science (2007, 2008)  
Biogeochemistry (2004, 2008)  
BioScience (1996, 1997)  
Biotropica (1996, 2008)  
Canadian Journal of Forest Research (1995, 1997, 2002, 2006, 2006)  
Ecology (1999, 2000)  
Ecosphere (2015)  
Ecosystems (2000, 2001, 2001, 2003, 2012)  
Environmental Conservation (2008)  
Environmental Management (2002)  
Fire Ecology (2009, 2018, 2019, 2019)  
Forest Ecology and Management (2006, 2007, 2008, 2008, 2012, 2018)  
Functional Ecology (2006, 2009, 2010)  
Global Ecology and Biogeography (2015, 2016)  
Journal of Ecology (2005, 2007, 2009, 2011, 2012, 2012)  
Journal of Forestry Research (2012)  
Journal of the Torrey Botanical Society (2004, 2008, 2010, 2011, 2014, 2019)  
Journal of Tropical Ecology (2002, 2004, 2007, 2010)  
New Phytologist (2007, 2008, 2010, 2012, 2012, 2012, 2012, 2014, 2015, 2016, 2016)  
Oecologia (1999)  
Plant and Soil (2004, 2006, 2007, 2007, 2008, 2009, 2011, 2011, 2013, 2013)  
Plant Ecology (1999)  
Plant Root (2006)  
Plants (2021)  
Restoration Ecology (2003, 2012)  
Soil Biology & Biochemistry (2015, 2015)  
Soil Science Society of America Journal (1997, 2002)  
Southeastern Naturalist (2016)  
Tree Physiology (2000, 2006, 2007, 2008, 2008)

### Review of External Grants for Federal Funding Agencies

National Science Foundation (2009, 2019)  
U.S.D.A. National Research Initiative Program (1997, 1998, 1999, 2001, 2002)  
U.S. Civilian Research and Development Foundation (2005)  
Deutsche Forschungsgemeinschaft German Research Foundation (2012)

### Review of Texts for a Scientific Publishers

Addison Wesley Publishers (2001)

### Review of Promotion Dossiers for Other Institutions

Georgia Southern University (2019)  
Jones Ecological Research Center (1998, 1999, 2001, 2004)  
University of Southern Mississippi (2019, 2021)

### Memberships

Ecological Society of America  
Georgia Academy of Science  
Georgia Beekeepers Association

## SERVICE

### University Wide Committees

Advisor: Lacrosse Club (2016)  
Advisor: Outdoor Club  
Advisor: Phi Mu Sorority (2015-2016)  
Budget Committee (2011-2013)  
Faculty Development Committee (2013-2015)  
Graduate School Visioning Committee  
Intercollegiate Activities Committee (2001-2003)  
University Arboretum Steering Committee (2005-2019)  
VPAA's Advisory Committee for the Structure and Function of the CAS (2008)

### College Committees

Curriculum Committee (2011, 2012 Secretary, 2013, 2014)  
Dean's Evaluation Committee  
Dean Search Committee (2015-2016)  
Faculty Advisory Committee (2018-2019, 2020-2021)  
Learning Resources Committee (2006, 2007, 2008)  
Promotion and Tenure Committee (2007, 2008, 2012 Chair, 2013, 2014)  
QEP DSW Committee (2011, 2012, 2013)  
SMC (Science Math Complex) Committee (2018-2019)  
Vision Committee (2015)

### Departmental/Program Committees and Duties

Co-Director: Wildlife Ecology Certificate Program  
Co-Manager: Biology Apiary Complex (2017 – Present)  
Manager: Biology Greenhouse Complex (1996 – Present)  
Manager: Biology Herbarium (1996 – 2006)  
Advisor: Biology Club/Tri-Beta Biology Honor Society (2013 – Present)  
Search Committee: Chair Search - Chairman (2002, 2003)  
Search Committee: Faculty Search (1997, 2002, 2003, 2004, 2008, 2009, 2011, 2012, 2013, 2014)  
Search Committee: Lecturer Search (2020)  
Standing Committee: Finance (2001, 2002, 2004, 2007, 2008, 2014, 2015, 2016)  
Standing Committee: Graduate Curriculum and Instruction (2002, 2003, 2004, 2005, 2014, 2015, 2016)  
Standing Committee: Personnel (2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2017, 2018, 2019)  
Standing Committee: Promotion and Tenure Review (2001 – Present)  
Standing Committee: Space Allocation Committee (2016, 2017, 2018)  
Standing Committee: Undergraduate Curriculum and Instruction (2021, 2022, 2023-chairman)  
Ad-Hoc Committee: Department Mission and Vision  
Ad-Hoc Committee: Library Resources  
Ad-Hoc Committee: Program Review  
Ad-Hoc Committee: Senior Faculty Advisory Committee  
Ad-Hoc Committee: Organization Committee for the 2023 LSAMP Annual Research Symposium

### Community

Consultation to Local Schools and Youth Organizations: 50  
Consultation as a Judge at Science Fairs: 13  
Consultation as a Judge at the Carrollton High School GHP interviews  
Consultation as a Mentor for Student Science Fair Projects: 10  
Consultation to Local Citizens, Businesses, and Organizations: 16  
Consultation to Professional Colleagues: 35  
Carrollton Elementary School Student Mentor  
Carrollton Rape Crisis Center Annual Fund Raiser - Volunteer  
Carrollton and Carroll County Parks and Recreation Coach: 32 Teams  
Carrollton Parks and Recreation Department - 2003 Volunteer of the Year  
Master Gardener Training Class (2012)