

CURRICULUM VITAE

MICHAEL WAYNE MORRIS

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Academic Achievement and Professional Development

Education

Ph.D., Botany (Systematics and Anatomy), **University of Florida**, Gainesville, FL, 1993; Dissertation Title: Vegetative Anatomy and Systematics of Subtribe Dendrobiinae (Orchidaceae); Major Advisor: Dr. William Louis Stern

M.S., Botany (Plant Taxonomy), **Mississippi State University**, Starkville, MS, 1987; Thesis Title: The Vascular Flora of Grenada County, Mississippi; Major Advisor: Dr. Sidney McDaniel

B.S., Biology/Chemistry (double major), **Delta State University**, Cleveland, MS, 1985; Cumulative GPA: 3.86 on a 4.0 scale

Experience

2006-Present. **Professor**, Department of Biological and Environmental Sciences, Troy University, Troy, AL 36082 (Previously Associate Professor 2008-2016 and Freshman Biology Coordinator 2006-2014; Lecturer 2006-2007)

Responsibilities: teaching principles of biology, organismal biology, general ecology, dendrology, cell biology, invasive species biology, and biogeography field study; coordinating faculty and graduate teaching assistants involved in instruction of principles of biology lectures and laboratories; writing additional lab exercises in ecology and human biology and set up account based on sales of co-authored lab manual to support undergraduate research in biology; advising students majoring in biology with general biology, ecology and field biology, and biomedical sciences concentrations; serving on graduate thesis committees; involved in coordinated curriculum revision on the Troy, Montgomery, and Dothan campuses; departmental coordinator for Common Reading Initiative on the Troy campus; conducting research in plant systematics; supervising graduate and undergraduate research; and professional service ranging

from working with federal, state, and private conservation agencies to leading field trips, and writing educational outreach articles on native plants.

1993-2006. **Professor**, Department of Biology, North Georgia College & State University, Dahlonega, GA 30597 (Previously Associate Professor 1998-2003; Assistant Professor 1993-1998)

Responsibilities: teaching general botany, plant diversity, plant taxonomy, and biogeography courses; teaching general biology for majors and non-majors; advising students for graduate studies in biology, for forestry school, and for careers in medicine and the allied health professions; conducting research in plant systematics; supervising undergraduate and graduate research; and professional service including serving as a board member of botanical organizations, working with federal, state, and private conservation agencies, judging science fair projects, and leading field trips.

1990-1993. **Research Associate**, Department of Botany, University of Florida, Gainesville, FL 32611 (Previously Research Assistant 1990-1991)

Responsibilities: prepared orchid tissues for microscopic examination; collected representative native terrestrial orchids for herbarium and histological specimens; maintained laboratory records, specimens, and supplies; studied vegetative anatomy of orchids; prepared manuscripts; work conducted in the laboratory of Dr. William Louis Stern.

1988-1990. **Teaching Assistant**, Department of Botany, University of Florida, Gainesville, FL 32611

Responsibilities: prepared and instructed economic botany, plant diversity, plant taxonomy, and tropical botany lab sections; graded all laboratory assignments and practicals. (Tropical botany is a graduate course attracting students nationwide, and it is taught at the Fairchild Tropical Garden, Everglades National Park, and the Florida Keys by Dr. Walter S. Judd.)

1989. **Intern**, Selby Botanical Gardens, Sarasota, FL 34263

Responsibilities: determined living and herbarium collections of tropical orchids; collected, determined, and prepared terrestrial and epiphytic orchids in Monteverde Cloud Forest Reserve, Costa Rica, for herbarium and histological specimens while on a one-month expedition supported by a National Science Foundation grant awarded to Dr. John T. Atwood; served as tour guide at the Southeastern Regional Meeting of the American Association of Botanical Gardens and Arboreta.

1987,1988. **Research Assistant**, USDA (position through Delta State University), Southern Weed Science Laboratory, Delta States Research Center, Stoneville, MS 38776 (Previously Research Technician 1985)

Responsibilities: recorded and analyzed data on experiments in weed science; collected, determined, and processed specimens of vascular plants for the Southern Weed Science Laboratory Herbarium (SWSL); work conducted in the laboratory of Dr. Charles T. Bryson.

1986. **Field Botanist**, the Crosby Arboretum, 1801 Goodyear Boulevard, Picayune, MS 39466

Responsibilities: collected, determined, and processed specimens of vascular plants occurring on several of the natural areas of the Crosby Arboretum in Hancock and Pearl River Counties in southern Mississippi. Communities range from alluvial swamp forests and bay swamps to longleaf pine sandhills, pitcher plant bogs, and savannas.

1986-1987. **Teaching Assistant**, Department of Biological Sciences, Mississippi State University, Mississippi State, MS 39762

Responsibilities: prepared and instructed botany labs for majors and non-majors; graded all laboratory practicals and assignments.

1984. **Laboratory Assistant**, Department of Biological Sciences, Delta State University, Cleveland, MS 38733

Responsibilities: assisted students in dissection and exercises in human anatomy and physiology; graded all laboratory practicals and assignments.

1982-1985. **Computer Operator**, Department of Data Processing, Delta State University, Cleveland, MS 38733

Responsibilities: processed programs on mainframe computer for students in data processing courses.

Contributing Author for Book

Morris, M. W. 2013. Ultramafic barrens and woodlands. Pp. 314-319 in L. Edwards, J. Ambrose, and L. K. Kirkman, eds., *The Natural Communities of Georgia*. Athens: University of Georgia Press.

Lab Manual

Perry, J. W., D. Morton, J. B. Perry, T. K. Moore, and M. W. Morris. 2013. *Lab Manual for Biology L100*, 6th edition (customized for Troy University). Mason, Ohio: Cengage Learning.

International Botanical Listing

I am listed as a plant names author in The International Plant Names Index (accessed at <http://www.ipni.org>) for formally describing *Pedimelum piedmontanum* J. R. Allison, M. W. Morris, & A. N. Egan as a new plant species in 2006. See journal article citation below:

Allison, J. R., M. W. Morris, and A. N. Egan. 2006. A new species of *Pedimelum* (Fabaceae) from the lower Piedmont Plateau of Georgia and South Carolina. *Sida* 22:227-241.

National Botanical Listing

Information on *Pedimelum piedmontanum* J. R. Allison, M. W. Morris, and A. N. Egan can be accessed on the USDA Plants Database (<http://plants.usda.gov/>).

Journal Articles

Morris, M. W. 2013. The genus *Platanthera* (Orchidaceae) in Mississippi. *Journal of the Botanical Research Institute of Texas* 7:323-339.

Morris, M. W. 2012. *Stenanthium leimanthoides* (Melanthiaceae) and *Nestronia umbellula* (Santalaceae) in Alabama. *Castanea* 77:375-380.

Morris, M. W., and J. R. MacDonald. 2012. Vascular plants of the Yazoo-Mississippi Delta, Loess Bluffs, and North Central Plateau in Grenada County, Mississippi. *Journal of the Botanical Research Institute of Texas* 6:653-679.

Carter, R., W. W. Baker, and M. W. Morris. 2009. Contributions to the flora of Georgia. *Vulpia* 8:1-54.

Allison, J. R., M. W. Morris, and A. N. Egan. 2006. A new species of *Pedimelum* (Fabaceae) from the lower Piedmont Plateau of Georgia and South Carolina. *Sida* 22:227-241.

- Morris, M. W.** 2004. Field botany and higher education in Georgia: A mutualism. *Tipularia* 19:26-35.
- Morris, M. W., E. Van De Genachte, T. Patrick, and S. Cammack.** 2000. Reconnaissance for the Ocmulgee skullcap (*Scutellaria ocmulgee*). *Tipularia* 15:27-32.
- Tatum, H. R., R. G. Moore, S. L. Butram, J. M. Ward, and M. W. Morris.** 1998. Summer flora of Pine Valley Recreation Area, Lumpkin County, Georgia. *Georgia Journal of Science* 56:131-148.
- Morris, M. W.** 1997. Contributions to the flora and ecology of the northern Longleaf Pine Belt in Rankin County, Mississippi. *Sida* 17:615-626.
- Morris, M. W., Stern, W. L., and W. S. Judd.** 1996. Vegetative anatomy and systematics of subtribe Dendrobiinae (Orchidaceae). *Botanical Journal of the Linnean Society* 120:89-144.
- Stern, W. L., M. W. Morris, and W. S. Judd.** 1994. Anatomy of the thick leaves in Dendrobium section Rhizobium (Orchidaceae). *International Journal of Plant Sciences* 155:716-729.
- Morris, M. W., C. T. Bryson, and R. W. Warren.** 1993. Rare vascular plants and associate plant communities from the Sand Creek Chalk Bluffs, Oktibbeha County, Mississippi. *Castanea* 58:250-259.
- Stern, W. L., M. W. Morris, W. S. Judd, A. M. Pridgeon, and R. L. Dressler.** 1993. Comparative vegetative anatomy and systematics of Spiranthoideae (Orchidaceae). *Botanical Journal of the Linnean Society* 113:161-197.
- Stern, W. L., H. C. Aldrich, L. M. McDowell, M. W. Morris, and A. M. Pridgeon.** 1993. Amyloplasts from cortical root cells of Spiranthoideae (Orchidaceae). *Protoplasma* 172:49-55.
- Bryson, C. T., and M. W. Morris.** 1992. Range extension for *Aralia racemosa* (Araliaceae) in Mississippi. *Sida* 15:155-157.
- Stern, W. L., and M. W. Morris.** 1992. Vegetative anatomy of *Stanhopea* (Orchidaceae) with special reference to pseudobulb water-storage cells. *Lindleyana* 7:34-55.
- Carter, R., M. W. Morris, and C. T. Bryson.** 1990. Some records of rare or otherwise interesting vascular plants from the Delta Region of Mississippi. *Castanea* 55:40-55.
- Morris, M. W.** 1989. *Spiranthes* (Orchidaceae) in Mississippi. *Selbyana* 11:39-48.

- Morris, M. W.** 1989. *Papilio troilus* (Linnaeus) (Papilionidae) on a new and rare larval food plant. *Journal of the Lepidopterists' Society* 43:147.
- Bryson, C. T., and M. W. Morris.** 1988. Noteworthy range extensions for *Juglans cinerea* (Juglandaceae) and *Eleocharis erythropoda* (Cyperaceae) in Mississippi. *Sida* 13:262-263.
- Morris, M. W.** 1988. Noteworthy vascular plants from Grenada County, Mississippi. *Sida* 13:177-186.
- Morris, M. W., and C. T. Bryson.** 1986. *Carex swanii* in Mississippi. *Castanea* 51:226-227.
- Morris, M. W.** 1986. *Lindera melissifolia* in Mississippi. *Castanea* 51:226.

Published Abstracts

- Bailey, J., A. Crabtree, E. Ward, V. Fisk, H. Williamson, H. Singletary, F. Parrish, and M. W. Morris.** 2024. A survey of trees, shrubs, and woody vines of Blue Springs State Park and Forever Wild Tract, Barbour County, Alabama, as a part of a Dendrology course at Troy University. *Southeastern Biology* (in press).
- Barger, T. W., and M. W. Morris.** 2023. A vascular plant survey of the Uchee Creek Forever Wild Tract, Russell County, Alabama. *Southeastern Biology* 70:169.
- Morris, M. W., and H. Sullivan.** 2022. Distribution and ecology of the Genus *Asclepias* (Apocynaceae) in Mississippi based on direct examination of herbarium specimens, field work, SERNEC, and iNaturalist. *Southeastern Biology* 69:116.
- Morris, M. W., and H. Sullivan.** 2022. Distribution and ecology of the Genus *Ilex* (Aquifoliaceae) in Mississippi based on direct examination of herbarium specimens, field work, SERNEC, and iNaturalist. *Southeastern Biology* 69:117.
- Morris, M. W., and H. Sullivan.** 2022. Distribution and ecology of the Genus *Hypericum* (Hypericaceae) in Mississippi based on direct examination of herbarium specimens, field work, SERNEC, and iNaturalist. *Southeastern Biology* 69:120-121.
- Morris, M. W., and H. Sullivan.** 2022. Distribution and ecology of the Genus *Polygala* (Polygalaceae) in Mississippi based on direct examination of herbarium specimens, field work, SERNEC, and iNaturalist. *Southeastern Biology* 69:121.
- Morris, M. W., and H. Sullivan.** 2020. Distribution and ecology of the Genus *Asclepias* (Apocynaceae) in Mississippi. *Southeastern Biology* 67:99.

- Morris, M. W., and H. Sullivan.** 2020. Distribution and ecology of the Genus *Hypericum* (Hypericaceae) in Mississippi. *Southeastern Biology* 67:139.
- Morris, M. W., and H. Sullivan.** 2020. Distribution and ecology of the Genus *Ilex* (Aquifoliaceae) in Mississippi. *Southeastern Biology* 67:138-139.
- Morris, M. W., and H. Sullivan.** 2020. Distribution and ecology of the Genus *Polygala* (Polygalaceae) in Mississippi. *Southeastern Biology* 67:99.
- Morris, M. W., and H. Sullivan.** 2018. The genus *Calopogon* (Orchidaceae) in Mississippi. *Southeastern Biology* 65:250.
- Duke, J., K. Ichikawa, J. Pittman, M. W. Morris, and S. Liu.** 2015. Assessment of extracts prepared from native St. John's wort species (*Hypericum* spp.) on anxiety/depression-related behaviors and neural pathways in zebrafish (*Danio rerio*). *Southeastern Biology* 62:485.
- Pittman, J., K. Ichikawa, K. Henry, C. Kelly, R. Hadi, J. Duke, and M. W. Morris.** 2014. Mechanisms underlying changes in anxiety/depression-related behaviors and neural circuits in zebrafish (*Danio rerio*) following exposure to *Hypericum perforatum* extracts. *Journal of the Society of Biological Psychiatry* 75:IS-401S.
- Dykes, B. E. Minton, D. Morrison, G. Newman, L. Ryan, and M. W. Morris.** 2013. A floristic survey of communities in the Big Creek Watershed, Barbour County, Alabama. *Journal of Alabama Academy of Science* 84:74.
- Dykes, B., D. Morrison, L. Ryan, and M. W. Morris.** 2012. Preliminary results of a floristic survey of communities in the Big Creek Watershed, Barbour County, Alabama. *Journal of Alabama Academy of Science* 83:72-73.
- Morris, M. W.** 2011. New reports of *Stenanthium leimanthoides* (A. Gray) Zomlefer & Judd and *Nestronia umbellula* Rafinesque in Alabama. *Southeastern Biology* 58:364.
- Morris, M. W.** 2011. The Genus *Platanthera* L. C. Richard in Mississippi. *Southeastern Biology* 58:365-366.
- Morris, M. W., N. Billington, J. Burchill, J. Catrett, E. Ensor, J. Gaston, and C. Magrath.** 2011. Integrated learning: Troy University Common Reading Initiative and Principles of Biology. *Journal of Alabama Academy of Science* 82:121-122.
- Shrestha, P., N. Billington, and M. W. Morris.** 2010. Genetic variation in bald cypress and pond cypress populations from southeastern Alabama. *Southeastern Biology* 57:314-315.

- Shrestha, P., Z. Heath, M. W. Morris, and N. Billington.** 2010. Population genetics of bald cypress in southeastern Alabama. *Journal of Alabama Academy of Science* 81:70-71.
- Shrestha, P., M. W. Morris, and N. Billington.** 2009. Genetic variation in bald cypress populations from southeastern Alabama. *Southeastern Biology* 56:244-245.
- Morris, M. W.** 2009. Floristic survey of selected sites in the Shoal Creek Ranger District, Talladega National Forest, Alabama. *Journal of Alabama Academy of Science* 80:119.
- Shrestha, P., N. Billington, and M. W. Morris.** 2009. Genetic variation in Pike County, AL, bald cypress populations. *Journal of Alabama Academy of Science* 80:107-108.
- Morris, M. W., J. Williams, M. Pschndl, and R. Van Cleave.** 2008. A floristic study of Burks Mountain ultramafic woodland, Columbia County, Georgia. *Southeastern Biology* 55:352-353.
- Morris, M. W., R. N. Koigi, and C. Magrath.** 2008. Integrated learning: First-Year Reading Initiative and Principles of Biology. *Journal of Alabama Academy of Science* 79:147.
- Barron, J., A. Briant, B. D. Cantrell, G. Childers, M. Clifton, S. Gowder, R. Van Cleave, and M. W. Morris.** 2006. A floristic study of Ramblewood, Lumpkin County, Georgia. *Southeastern Biology* 53:184.
- Fitzpatrick, N., J. Legler, M. W. Morris, and T. D. Schwaner.** 2006. Genetic variation in a new species of *Pediomelum* (Fabaceae) on serpentine outcrops in Georgia. *Georgia Journal of Science* 64:19.
- Barron, J., G. Childers, M. Clifton, and M. W. Morris.** 2005. A preliminary survey of the vascular flora of Ramblewood, Lumpkin County, Georgia. *Southeastern Biology* 52:119-120.
- Burke, L. S., W. T. Jones, J. M. Wisdom, J. L. Lipchinsky, B. T. Mullis, L. M. Bruce, L. E. Ownby, and M. W. Morris.** 2004. A floristic study of the North Georgia College & State University property in the Cane Creek Watershed, Lumpkin County, Georgia. *Georgia Journal of Science* 62:21.
- Allison, J. R., M. W. Morris, and T. S. Patrick.** 2003. *Pediomelum georgianum*, a new species from the Piedmont of Georgia. *Southeastern Biology* 50:185.
- Morris, M. W., J. R. Allison, and A. Vick.** 2002. College students experience service learning to enhance their knowledge of exotic pest plants. *Southeastern Biology* 49:132.

Morris, M. W., I. Kokkala, T. H. Fox, and M. S. Davis. 2001. Enhancing field experiences with undergraduate oral presentations. *Southeastern Biology* 48:113-114.

Greenlee, J. R., L. N. Smallwood, and M. W. Morris. 2001. A floristic study of Glade Shoals granite outcrop and adjacent habitats, Hall County, Georgia. *Georgia Journal of Science* 59:27.

Lewis, M., M. Davis, and W. Morris. 2001. Prey capture in a montane purple pitcher plant (*Sarracenia purpurea*) population. *Georgia Journal of Science* 59:28.

Morris, M. W., and S. A. Henderson. 2000. A survey of selected Savannah River bluffs and adjacent environments from Lincoln to Effingham counties, Georgia, for rare and endangered vascular plants. *The ASB Bulletin* 47:169-170.

Morris, M. W. 1989. New reports of rare, threatened, or endangered vascular plants from northern Mississippi. *The ASB Bulletin* 36:127.

Morris, M. W. 1988. The vascular flora of Grenada County, Mississippi. *Journal of the Mississippi Academy of Sciences* 33:1.

Morris, M. W. 1987. Orchidaceae in Grenada County, Mississippi. *Journal of the Mississippi Academy of Sciences* 32:2.

Technical Reports

Morris, M. W. 2004. A Floristic Survey of Selected Sites in the Shoal Creek District, Talladega National Forest, Alabama. Submitted to the **USDA Forest Service**. 18 pages.

Morris, M. W. 2000. A Floristic Survey of the Pascagoula River Wildlife Management Area, George and Jackson counties, Mississippi, for Special Plants and Communities. Submitted to the **Mississippi Department of Wildlife, Fisheries, and Parks**, Mississippi Wildlife Heritage Fund 2000 Research Grant Program. 130 pages.

Morris, M. W. 1999. Search for *Scutellaria ocmulgee* on Bluffs above the Savannah River and Its Major Tributaries. Submitted to the **Georgia Department of Natural Resources**, Georgia Natural Heritage Program 1999 Research Grant Program. 141 pages.

Morris, M. W. 1995. A Floristic Survey of Beech-Magnolia Forests and Longleaf Pine – Scrub Oak Communities in Southern Rankin County, Mississippi. Submitted to the **Mississippi Department of Wildlife, Fisheries, and Parks**, Mississippi Wildlife Heritage Fund 1995 Research Grant Program. 111 pages.

Morris, M. W. 1987. A Floristic Survey of Grenada County, Mississippi for Special Plants and Communities. Submitted to the **Mississippi Department of Wildlife, Fisheries, and Parks**, Mississippi Wildlife Heritage Fund 1987 Research Grant Program. 145 pages.

Educational Articles

Morris, M. W. 2022. An Introduction to the Laurel Family (Lauraceae) in Mississippi. *Quarterly News Journal of the Crosby Arboretum, Mississippi State University Extension Service* 36(3):1, 3.

Morris, M. W. 2021. Beebalm and Horsemint (*Monarda* spp.) of Mississippi. *Quarterly News Journal of the Crosby Arboretum, Mississippi State University Extension Service* 35(3):1, 5.

Morris, M. W. 2019. Native Pines of Mississippi. Part Two. *Quarterly News Journal of the Crosby Arboretum, Mississippi State University Extension Service* 34(1):1, 3.

Morris, M. W. 2019. Native Pines of Mississippi. Part One. *Quarterly News Journal of the Crosby Arboretum, Mississippi State University Extension Service* 33(4):1, 3.

Morris, M. W. 2018. Mississippi: Home to Six Native Magnolia Species. *Quarterly News Journal of the Crosby Arboretum, Mississippi State University Extension Service* 32(3):1, 3.

Morris, M. W. 2017. Native Palms of Mississippi. *Quarterly News Journal of the Crosby Arboretum, Mississippi State University Extension Service* 31(3):1.

Morris, M. W. 2017. Plant Profile: Milkworts. *Quarterly News Journal of the Crosby Arboretum, Mississippi State University Extension Service* 31(3):3.

Morris, M. W. 2016. The Native Hollies of Mississippi. *Quarterly News Journal of the Crosby Arboretum, Mississippi State University Extension Service* 30(4):1.

Morris, M. W. 2015. Native St. John's worts: Horticulturally Desirable Plants and Remarkable Sources of Biochemicals with Medicinal Properties. *Quarterly News Journal of the Crosby Arboretum, Mississippi State University Extension Service* 29(3):1.

Drackett, P., and M. W. Morris. 2014. Field trip to the Arboretum's Hillside Bog Natural Area. *Quarterly News Journal of the Crosby Arboretum, Mississippi State University Extension Service* 28(4):3.

Morris, M. W. 2014. Revealing Mississippi's Amazing Orchids. *Quarterly News Journal of the Crosby Arboretum, Mississippi State University Extension Service* 28(3):1.

Morris, M. W. 2004. Field Botany and Higher Education in Georgia: A Mutualism? *The Teacher* 6:2, 8-13.

Morris, M. W. 2004. An Introduction to the Flora of Shell Bluff, Burke County, Georgia. In: Georgia Botanical Society, [Online]. Available: <http://www.gabotsoc.org/articleShellBluff.htm>

Morris, M. W. 2003. Floyd County Prairies. *BotSoc News* 77:8-10.

Morris, M. W. 2002. Adaptable Wetland Natives: Some Perennials for the Typical Garden. *NativeSCAPE* 8:1-2.

Morris, M. W. 2001. Research and Service: Tools for the Scholarship of Teaching and Learning. *The Teacher* 3:1-2, 4.

Morris, M. W. 2001. Sandhill Laurel: An Ornamental for Rock Gardens in North Georgia? *NativeSCAPE* 7:1-2.

Morris, M. W. 2000. The Native Camellias: Regal Southern Shrubs for the Woodland Garden. *NativeSCAPE* 6:1-2.

Presentations at Professional Meetings

Barger, T. W., and M. W. Morris. 2023. A vascular plant survey of the Uchee Creek Forever Wild Tract, Russell County, Alabama, 84th Annual Meeting, Association of Southeastern Biologists, hosted by Catawba College, Winston-Salem, NC, March 23-26.

Morris, M. W., and H. Sullivan. 2022. Distribution and ecology of the Genus *Asclepias* (Apocynaceae) in Mississippi based on direct examination of herbarium specimens, field work, SERNEC, and iNaturalist, 83rd Annual Meeting, Association of Southeastern Biologists, hosted by University of Arkansas at Little Rock and University of Central Arkansas, Little Rock, AR, March 30-April 2.

Morris, M. W., and H. Sullivan. 2022. Distribution and ecology of the Genus *Ilex* (Aquifoliaceae) in Mississippi based on direct examination of herbarium specimens, field work, SERNEC, and iNaturalist, 83rd Annual Meeting, Association of Southeastern Biologists, hosted by University of Arkansas at Little Rock and University of Central Arkansas, Little Rock, AR, March 30-April 2.

Morris, M. W., and H. Sullivan. 2022. Distribution and ecology of the Genus *Hypericum* (Hypericaceae) in Mississippi based on direct examination of herbarium specimens, field work, SERNEC, and iNaturalist, 83rd Annual Meeting, Association of Southeastern Biologists, hosted by University of Arkansas at Little Rock and University of Central Arkansas, Little Rock, AR, March 30-April 2.

- Morris, M. W., and H. Sullivan.** 2022. Distribution and ecology of the Genus *Polygala* (Polygalaceae) in Mississippi based on direct examination of herbarium specimens, field work, SERNEC, and iNaturalist, 83rd Annual Meeting, Association of Southeastern Biologists, hosted by University of Arkansas at Little Rock and University of Central Arkansas, Little Rock, AR, March 30-April 2.
- Morris, M. W., and H. Sullivan.** 2018. The genus *Calopogon* in Mississippi, 79th Annual Meeting, Association of Southeastern Biologists, hosted by Coastal Carolina University, Francis Marion University, University of North Carolina at Wilmington, and University of North Carolina at Pembroke, Myrtle Beach, SC, March 28-31.
- Dykes, B., E. Minton, D. Morrison, G. Newman, L. Ryan, and M. W. Morris.** 2013. A floristic survey of communities in the Big Creek Watershed, Barbour County, Alabama, 90th Annual Meeting, Alabama Academy of Science, hosted by Samford University, Birmingham, AL, March 20-22.
- Dykes, B., D. Morrison, L. Ryan, and M. W. Morris.** 2012. Preliminary results of a floristic survey of communities in the Big Creek Watershed, Barbour County, Alabama, 89th Annual Meeting, Alabama Academy of Science, hosted by Tuskegee University, Tuskegee, AL, February 22-24.
- Morris, M. W.** 2011. The Genus *Platanthera* L. C. Richard in Mississippi, 72nd Annual Meeting, Association of Southeastern Biologists, hosted by the University of Alabama at Huntsville, Huntsville, AL, April 13-16.
- Morris, M. W.** 2011. New reports of *Stenanthium leimanthoides* (A. Gray) Zomlefer & Judd and *Nestronia umbellula* Rafinesque in Alabama, 72nd Annual Meeting, Association of Southeastern Biologists, hosted by the University of Alabama at Huntsville, Huntsville, AL, April 13-16.
- Morris, M. W., N. Billington, J. Burchill, J. Catrett, E. Ensor, J. Gaston, and C. Magrath.** 2011. Integrated learning: Troy University Common Reading Initiative and Principles of Biology, 88th Annual Meeting, Alabama Academy of Science, hosted by Jacksonville State University, Jacksonville, AL, March 2-4.
- Shrestha, P., M. W. Morris, and N. Billington.** 2009. Genetic variation in southeast AL, bald cypress populations, 70th Annual Meeting, Association of Southeastern Biologists, hosted by the University of Alabama at Birmingham and Jacksonville State University, Birmingham, AL, April 1-4.
- Morris, M. W.** 2009. A floristic survey of selected sites in the Shoal Creek Ranger District, Talladega National Forest, Alabama, 86th Annual Meeting, Alabama Academy of Science, hosted by the University of West Alabama, Livingston, AL, March 25-27.

- Shrestha, P., N. Billington, and M. W. Morris.** 2009. Genetic variation in Pike County, AL, bald cypress populations, 86th Annual Meeting, Alabama Academy of Science, hosted by the University of West Alabama, Livingston, AL, March 25-27.
- Morris, M. W., J. Williams, M. Pschandler, and R. Van Cleave.** 2008. A floristic study of Burks Mountain ultramafic woodland, Columbia County, Georgia, 69th Annual Meeting, Association of Southeastern Biologists, hosted by Wofford College and Furman University, Spartanburg, SC, April 16-19.
- Morris, M. W., R. N. Koigi, and C. Magrath.** 2008. Integrated learning: First-Year Reading Initiative and Principles of Biology, 85th Annual Meeting, Alabama Academy of Science, hosted by Samford University, Birmingham, AL, March 19-22.
- Barron, J., A. Briant, B. D. Cantrell, G. Childers, M. Clifton, S. Gowder, R. Van Cleave, and M. W. Morris.** 2006. A floristic study of Ramblewood, Lumpkin County, Georgia, 67th Annual Meeting, Association of Southeastern Biologists, hosted by The University of Tennessee, Knoxville, Gatlinburg, TN, March 30-31.
- Fitzpatrick, N., J. Legler, M. W. Morris, and T. D. Schwaner.** 2006. Genetic variation in a new species of *Pediomelum* (Fabaceae) on serpentine outcrops in Georgia, 83rd Annual Meeting, Georgia Academy of Science, Georgia Perimeter College, Lawrenceville, GA, March 24-25.
- Barron, J., G. Childers, M. Clifton, and M. W. Morris.** 2005. A preliminary survey of the vascular flora of Ramblewood, Lumpkin County, Georgia, 66th Annual Meeting, Association of Southeastern Biologists, University of North Alabama, Florence, AL, April 13-16.
- Burke, L. S., W. T. Jones, J. M. Wisdom, J. L. Lipchinsky, B. T. Mullis, L. M. Bruce, L. E. Ownby, and M. W. Morris.** 2004. A floristic study of the North Georgia College & State University property in the Cane Creek Watershed, Lumpkin County, Georgia, 81st Annual Meeting, Georgia Academy of Science, Berry College, Rome, GA, March 26-27.
- Allison, J. R., M. W. Morris, and T. S. Patrick.** 2003. *Pediomelum georgianum*, a new species from the Piedmont of Georgia, 64th Annual Meeting, Association of Southeastern Biologists, Howard and Bowie State Universities, Washington, D.C., April 9-12.
- Morris, M. W.** 2003. A floristic survey of the Pascagoula River Wildlife Management Area, George and Jackson counties, Mississippi, Annual Meeting, State-of-the-Art-in-Biology (SOTAB) Conference, University of Georgia, Athens, GA, January 24-25

Morris, M. W., J. R. Allison, and A. Vick. 2002. College students experience service learning to enhance their knowledge of exotic pest plants, 63rd Annual Meeting, Association of Southeastern Biologists, Appalachian State University, Boone, NC, April 10-13.

Morris, M. W., I. Kokkala, T. H. Fox, and M. S. Davis. 2001. Enhancing field experiences with undergraduate oral presentations, 62nd Annual Meeting, Association of Southeastern Biologists, Tulane and Loyola Universities, New Orleans, LA, April 4-7.

Greenlee, J. R., L. N. Smallwood, and M. W. Morris. 2001. A floristic study of Glade Shoals granite outcrop and adjacent habitats, Hall County, Georgia, 78th Annual Meeting, Georgia Academy of Science, Coastal Georgia Community College, Brunswick, GA, March 23-24.

Lewis, M., M. Davis, and W. Morris. 2001. Prey capture in a montane purple pitcher plant (*Sarracenia purpurea*) population, 78th Annual Meeting, Georgia Academy of Science, Coastal Georgia Community College, Brunswick, GA, March 23-24.

Morris, M. W., and S. A. Henderson. 2000. A survey of selected Savannah River bluffs and adjacent environments from Lincoln to Effingham counties, Georgia, for rare and endangered vascular plants, 61st Annual Meeting, Association of Southeastern Biologists, University of Tennessee at Chattanooga, Chattanooga, TN, April 5-8.

Morris, M. W. 1989. New reports of rare, threatened, or endangered vascular plants from northern Mississippi, 50th Annual Meeting, Association of Southeastern Biologists, University of North Carolina at Charlotte, NC.

Morris, M. W. 1988. The vascular flora of Grenada County, Mississippi, Annual Meeting of the Mississippi Academy of Sciences, hosted by the University of Southern Mississippi, Biloxi, MS.

Morris, M. W. 1987. Orchidaceae in Grenada County, Mississippi, Annual Meeting of the Mississippi Academy of Sciences, hosted by Belhaven, Millsaps, and Mississippi Colleges, Jackson, MS.

Invited Presentations

Morris, M. W. 2024. Led discussion on biodiversity in Alabama and comparison with ecosystems in Wyoming at the Sheridan Research and Extension Center of the University of Wyoming, July 3, 2024.

Morris, M. W. 2023. Field trip leader at the Interpretive Center of The Crosby Arboretum of Mississippi State University, Pearl River County, MS, May, 2023.

- Morris, M. W.** 2022. Field trip leader at the Interpretive Center of The Crosby Arboretum of Mississippi State University, Pearl River County, MS, August, 2022.
- Morris, M. W.** 2021. Presented “The Grand Flora, Magnolia grandifLORA, and the Natural Communities of Mississippi: Herbarium and Field Studies” for the Department of Biological Sciences, Mississippi College, Clinton, MS, February, 2021.
- Sullivan, H. and M. W. Morris.** 2016. Presenter for “The Botanist’s Tool Kit” and field trip leader at the Interpretive Center and Hillside Bog of the Crosby Arboretum of Mississippi State University, Pearl River and Hancock Counties, MS, October, 2016.
- Morris, M. W. and H. Sullivan.** 2015. Field trip leader for the Crosby Arboretum of Mississippi State University to Steep Hollow and Hillside Bog, Pearl River and Hancock Counties, MS, May, 2015.
- Morris, M. W. and H. Sullivan.** 2014. Field trip leader for the Crosby Arboretum of Mississippi State University to Hillside Bog, Hancock County, MS, August, 2014.
- Morris, M. W.** 2014. Presented “A Botanist’s Perspective on the Links between Field Botany, Medicinal/Toxic Plants, and Phytopharmaceuticals” for the Troy University Neuroscience Club, Troy, AL, March, 2014.
- Morris, M. W.** 2009. Presented “The Longleaf Pine Ecosystem” for all faculty teaching TROY 1101 – University Orientation at the Troy Arboretum, Troy University, Troy, AL, so that they could be informed about the biology of this region and relate it to the Common Reading Initiative book choice *Ecology of a Cracker Childhood*, by Janisse Ray, during academic year 2009-10; presented same talk at the Trojan Center, Troy University to students taking general studies classes, fall, 2009.
- Morris, M. W.** 2007. Presented “Dixie Mountain Breadroot (*Pediomelum piedmontanum*): A New Species of Legume from Georgia and South Carolina” for the Department of Biological & Environmental Sciences, Troy University, Troy, AL, November, 2007.
- Morris, M. W.** 2006. Presented “Orchid Biology: An Inside View” for the Frontiers in Science Seminar Series, Troy University, Troy, AL, November, 2006.
- Morris, M. W.** 2006. Presented “Just What Is a Plant?” for the Department of Biological & Environmental Sciences, Troy University, Troy, AL, August, 2006.
- Morris, M. W.** 2006. Presented “Orchids and Legumes: Lessons Learned from These Angiosperms” for the Department of Biology & Chemistry, Liberty University, Lynchburg, VA, May, 2006.

Morris, M. W. 2006. Presented “Orchids and Legumes: Lessons Learned from These Angiosperms” for the Department of Biology, University of Louisiana at Monroe, May, 2006.

Morris, M. W. 1999-2007. Field trip leader for Georgia Botanical Society to Burks Mountain Serpentine Barrens, Columbia County, GA, June, 2007 and September, 2006; to Unicoi State Park, White County, GA, April, 2005; to Reed Branch Wet Meadow, Towns County, GA, September, 2004; to DeSoto Falls, Lumpkin County, GA, May, 2003; to Sosebee Cove, Union County, GA, August, 2002; to John’s Mountain, Walker County, GA, as a part of the GBS Annual Wildflower Pilgrimage, April, 2002; to Amicalola Falls State Park, Dawson County, GA, May, 2001; to Yahoola Creek and Dawson Forest Wildlife Management Area, Lumpkin and Dawson counties, GA, April, 2000; to Reed Branch Wet Meadow, Towns County, GA, as a part of the GBS Annual Wildflower Pilgrimage, May, 1999; to Chestatee and Etowah Rivers, Lumpkin County, GA, April, 1999.

Morris, M. W. 1994-2005. Field trip leader for Dahlonega Wildflower Festival of the Arts, Lumpkin County, GA, held annually in May.

Thriffiley, T., L. Yager, and M. W. Morris. 2003. Coastal plain bogs and longleaf pine, a field trip for the annual meeting of the Botanical Society of America, July, 2003, Mobile, Alabama.

Morris, M. W. 2003. Presented “Field Botany: Applications in Research and Teaching” for the Department of Biology, University of Louisiana at Monroe, May, 2003.

Lewis, M., M. Davis, and W. Morris. 2001. Presented “Prey Capture in a Montane Purple Pitcher Plant (*Sarracenia purpurea*) Population” for the Georgia Plant Conservation Alliance at Callaway Gardens, Pine Mountain, GA.

Morris, M. W. 1998. Presented “Identifying Wetland Plants” for Georgia Adopt-A-Stream Conference, Columbus State University, Columbus, GA, October, 1998.

Morris, M. W. 1998. Presented “Wetland Plants” for Georgia Adopt-A-Stream Conference, North Georgia College & State University, Dahlonega, GA, June, 1998.

Morris, M. W. 1997. Field trip leader for Georgia Adopt-A-Stream Conference, North Georgia College & State University, Dahlonega, GA, September, 1997.

Morris, M. W. 1996. Presented “Orchid Biology: An Inside View” for the North Georgia College Science Seminar Series, NGC, Dahlonega, GA, January, 1996.

Morris, M. W. 1994-1995. Field trip leader and presenter on the flora and geology of NE Mississippi and NW Alabama for elementary, middle school, and high school science teachers participating in a workshop through Delta State University at the Crow's Neck Environmental Education Center, Tishomingo, MS; April, July, and October, 1994; April and October, 1995.

Stern, W. L., and M. W. Morris. 1992. Presented "Comparative Vegetative Anatomy and Systematics of Spiranthoideae (Orchidaceae)", Department of Botany, University of Florida, Gainesville, FL.

Morris, M. W. 1992. Presented "Native Orchids of Florida" to the Department of Botany, University of Florida and to the Gainesville Orchid Society at the Florida Division of Plant Industry, Doyle Connor Building, Gainesville, FL.

Morris, M. W. 1989. Presented "Noteworthy Vascular Plants from Northern Mississippi" as a part of the Selby Gardens Science Seminar Series, October, Sarasota, FL.

Morris, M. W. 1988. Field trip leader for the Mississippi Native Plant Society to Grenada County, Mississippi, May, 1988.

Morris, M. W. 1988. Presented "The Vascular Flora of Grenada County, Mississippi" to the Mississippi Coast Audubon Society at the J. L. Scott Marine Education Center, Biloxi, MS.

Morris, M. W. 1988. Presented "The Vascular Flora of Grenada County, Mississippi" to the Oktibbeha County Audubon Society, Mississippi State University, Starkville, MS.

Morris, M. W. 1987. Presented "The Vascular Flora of Grenada County, Mississippi" to the Department of Biological Sciences, Mississippi State University, Starkville, MS, October, 1987.

External Contracts and Grants

Georgia Native Plant Society, fall, 2005, for floristic surveys of the Burks Mountain serpentine barrens, Columbia County, Georgia; grant amount - \$2,500

USDA Forest Service, fall, 2003, for floristic studies of selected sites in the Shoal Creek District, Talladega National Forest, Alabama; grant amount - \$2,500

Mississippi Department of Wildlife, Fisheries, and Parks, Mississippi Wildlife Heritage Fund 2000 Research Grant Program, for a floristic survey of the Pascagoula River Wildlife Management Area, George and Jackson counties, Mississippi, for special plants and communities; grant amount - \$4,000

Georgia Department of Natural Resources, Georgia Natural Heritage Program
1999 Research Grant Program, for the search for *Scutellaria ocmulgee* on bluffs
above the Savannah River and its major tributaries from Lincoln to Effingham
counties, Georgia; grant amount - \$3,700

Mississippi Department of Wildlife, Fisheries, and Parks, Mississippi Wildlife
Heritage Fund 1995 Research Grant Program, for a floristic survey of beech –
magnolia forests and longleaf pine – scrub oak communities in Rankin County,
MS; grant amount - \$3,000

Mississippi Department of Wildlife, Fisheries, and Parks, Mississippi Wildlife
Heritage Fund 1987 Research Grant Program, for a floristic survey of Grenada
County, Mississippi, for special plants and communities; grant amount - \$3,000

Honors and Awards

Who's Who Among America's Teachers, multiple-year honoree, 2005, 2004, 2000,
1998

Honored as **Faculty Member of the Game** at Troy University basketball game in Trojan
Arena, March, 2014

Omicron Delta Kappa, the National Leadership Honor Society, NGCSU Chapter,
Member, 2001-Present

Sigma Xi, the Scientific Research Society, University of Florida Chapter, Member,
1989-Present

Phi Kappa Phi, the National Academic Honor Society, Delta State University
Chapter, Member, 1985-Present

Beta Beta Beta, the National Honor Society for Biology Majors, Delta State
University Chapter, Member, 1985-Present

Alpha Epsilon Delta, the National Honor Society for Medical and Allied Health
Professions, Delta State University Chapter, Member, 1984-Present

Phi Eta Sigma, the National Freshman Honor Society, Delta State University
Chapter, Member, 1983-Present

**American Orchid Society Eleventh World Orchid Conference Fellowship for
Research**, 1991-1992, for doctoral research on vegetative anatomy and
systematics of subtribe Dendrobiinae (Orchidaceae) at the University of Florida;
fellowship amount - \$5,000

Outstanding Student Paper in the Agriculture and Plant Science Division of the Mississippi Academy of Sciences, 1988, for presentation of master's thesis research on the flora of Grenada County, Mississippi at the annual meeting of the Mississippi Academy of Sciences, Biloxi, MS

Jim Spence Memorial Scholarship from the **Mississippi Coast Audubon Society**, 1988, for financial assistance to attend graduate school at the University of Florida; scholarship amount - \$500

Crosby Fellowship for Botanical Research from **The Crosby Arboretum**, 1986, for financial assistance to attend graduate school at Mississippi State University; fellowship amount - \$1,600

Other Professional Activities

Chair of Graduate Student Support Award Committee for the **Association of Southeastern Biologists**, 2008-09 (Member in 2006-08).

Member of Advisory Committee for the Field Guide to the Rare Plants of Georgia, 2004-07; served as peer reviewer for certain Blue Ridge, wetland, and coastal plain rare plant taxa.

Board of Directors, Georgia Botanical Society, 2001-2010. As a member of this board of fourteen members, I served as **Chair** of the **Grant/Scholarship Committee** in 2002. The committee established a grant program available to both **undergraduate and graduate students** studying field botany in Georgia – grant amounts for students – up to \$2,000

Board of Directors, Georgia Exotic Pest Plant Council, 2000-04. As a member of this board of twelve members, I helped organize “Privet Pull” events in conjunction with Rivers Alive, Georgia's annual river cleanup event. Students taking my courses demonstrated and enhanced their servant leadership skills by participating in these service learning activities while simultaneously learning about exotic pest plants in the Southeast.

Secretary of The Society of Herbarium Curators (as the Herbarium Curators Committee) for the Southeast region, 2003-04.

Judge for **Beta Beta Beta** District I undergraduate student posters at the annual meeting of the **Association of Southeastern Biologists**, April 9, 2010.

Judge for student poster in **Science Education Section** at the annual meeting of the **Alabama Academy of Science**, March 4, 2011.

Plants Technical Team for the **State of Georgia**, 2003-04. Assessment of plant conservation needs in Georgia.

External Reviewer for the **University of Southern Mississippi, College of Marine Sciences, Department of Coastal Sciences Tenure and Promotion Committee**, August-September, 2002.

External Reviewer for the **University of North Alabama, Tenure and Promotion Committee**, July, 2014.

Editorial Board Member for *Tipularia*, publication of the Georgia Botanical Society, 2002-05, 2008.

Advisor for **Georgia Native Plant Society Grant/Scholarship Committee**, assisted this organization's committee in establishing a research grant program **available to college students** studying botany and/or horticulture in Georgia – grant amounts for students – up to \$2,500; 2001.

Peer reviewer for *Southeastern Naturalist*, 2009.

Peer reviewer for several treatments of communities in the Piedmont for **The Natural Communities of Georgia**, edited by L. Edwards, J. Ambrose, and L. K. Kirkman and published by The University of Georgia Press, 2008.

Peer reviewer for *Georgia Journal of Science*, journal of the Georgia Academy of Science, 2003.

Peer reviewer for *Castanea*, journal of the Southern Appalachian Botanical Society, 2023, 2016, 2001, 1997, 1996, 1994.

Peer reviewer for *Journal of the Botanical Research Institute of Texas / Sida*, 2013, 1999, 1996.

Peer reviewer for *Australian Journal of Botany*, 1997.

Associate Graduate Faculty, University of Southern Mississippi, to serve on two master's thesis committees, May, 2022-Present.

Field Associate of the **Mississippi Museum of Natural Science**, Jackson, MS, August, 2015-2023.

Official Collaborator on the **Mississippi Vascular Plant Atlas & Checklist**, with botany faculty members at University of Mississippi, Mississippi State University, University of Southern Mississippi, Delta State University, and Mississippi Museum of Natural Science, June, 2015-Present.

Participant in **Mississippi Plant Conservation Alliance (MPCA)**; 2019-Present.

Representative for North Georgia College & State University as a member institution of the **Georgia Plant Conservation Alliance (GPCA)**, based at the **State Botanical Garden of Georgia** in Athens; member of two subcommittees: Bog Committee and Mountain Historic Species Manual Committee; 1997-2006.

Consultant for **The Nature Conservancy**, mountain bog monitoring in Towns County, Georgia, 1999-2005.

Consultant for **USDA Forest Service**, plant identification, 2005.

Consultant for **Elachee Nature Science Center**, plant identification, 2005.

Consultant for **Wildflowers of North Georgia Video Series**, by Dr. Frankie Abercrombie and Mildred Norrell, 2005

Consultant for **The University of Georgia Cooperative Extension Service**, plant identification, 2000, 1995.

Consultant for **Georgia Department of Transportation**, led field trip to habitats supporting rare, threatened, and endangered plant species for **five D.O.T. ecologists** learning about rare species management, 2000.

Consultant for **Chestatee River corridor/Birch River/City of Dahlonega** water and sewer line location; reviewed proposed water/sewer line site along banks of Chestatee River south of Dahlonega in terms of environmental impact and recommended alternative location; city moved the line to the recommended site, 2000.

Consultant for **NGCSU Adopt-A-Stream/Wetlands Teaching Center**; developed wetland plant species list for taxa represented in the NGCSU Herbarium; 2000.

Consultant for *The Calhoun Times* newspaper in Calhoun, Gordon County, Georgia, answered article on mystery exotic plant (*Paulownia tomentosa*) in a follow-up front-page article; consulted while supervising an independent study for a NGCSU student from Gordon County; July, 1999.

Consultant for the **Endangered Plant Advisory Council (EPAC) of Florida**; authority on native orchids of Florida; determined species that should be considered endangered; 1994.

Consultant for **U. S. Fish and Wildlife Service**; authority on the natural history of **Price's Potato-bean (*Apios priceana*)**, a federally threatened species; discovered one additional population of this taxon in Oktibbeha County, Mississippi, and reviewed recovery plan for the species; 1988-1993.

Consultant for U. S. Fish and Wildlife Service and the Department of the Army, Vicksburg District, Corps of Engineers, Planning – Environmental Resources Division; authority on the natural history of **Pondberry (*Lindera melissifolia*)**, a federally endangered plant species; discovered three additional populations of this taxon in Bolivar and Sunflower Counties, Mississippi; 1986-1990.

Teaching

Undergraduate Courses Taught at Troy University

BIO 1100 – Principles of Biology
BIO L100 – Principles of Biology Laboratory
BIO 1101 – Organismal Biology
BIO L101 – Organismal Biology Laboratory
BIO 2220 – Principles of Cell Biology
BIO L220 – Principles of Cell Biology Lab
BIO 2229 – General Ecology
BIO L229 – General Ecology Laboratory
BIO 4406 -- Dendrology
BIO 4454 – Biogeography Field Study
BIO 4491-92 – Guided Independent Research
BIO 4493 – Guided Independent Study

Graduate Courses Taught at Troy University

BIO 5506 -- Dendrology
BIO 5554 – Biogeography Field Study
BIO 6625 – Specialized Study in Biology
BIO/EBS 6662 – Invasive Species Biology
BIO 6695 – Thesis Research

Undergraduate Courses Taught at North Georgia College & State University

BIOL 1010 – Introductory Biology
BIOL 1107 & 1108 – Principles of Biology I & II
BIOL 3321 – General Botany
BIOL 3321H – General Botany (Honors)
BIOL 3322 – Plant Diversity
BIOL 4310 – Plant Taxonomy
BIOL 4311 – Botany Field Study
BIOL 4700 – Biology Seminar
BIOL 4710 – Biogeography
BIOL 4800-03 – Independent Study/Undergraduate Research

Graduate Courses Taught at North Georgia College & State University

BIOL 6310 – Plant Taxonomy
BIOL 6311 – Botany Field Study
BIOL 6321 – General Botany
BIOL 6800-03 – Independent Study/Graduate Research

Undergraduate and Graduate Student Projects Supervised

- “A Survey of Trees, Shrubs, and Woody Vines of Blue Springs State Park and Forever Wild Tract, Barbour County, Alabama, as a Part of a Dendrology Course at Troy University” in 2023-2024 and supported by Troy University Faculty Development Grant; undergraduate students: Adele Crabtree, Elijah Ward, Victoria Fisk, Hailey Williamson, Hailie Singletary, Fisher Parrish; graduate student: Joshua Bailey.
- “Assessment of Extracts Prepared from Five Native St. John’s wort Species (*Hypericum* spp.) on anxiety/depression-related behaviors and neural circuits in zebrafish (*Danio rerio*)” in 2014-2015 and supported by Beta Beta Beta Research Foundation and Troy University Faculty Development Research Grants; undergraduate students: Jeremy Duke, Kate Ichikawa; co-advisor: Julian Pittman. Jeremy Duke received the **District II Johnson Award (First Place)** at the annual meeting of the Association of Southeastern Biologists.
- “A Floristic Survey of Communities in the Big Creek Watershed, Barbour County, Alabama” in 2011-2013 and supported by Troy University Faculty Development Grants; undergraduate students: Eric Minton, Derek Morrison, Gabriel Newman, Lauren Ryan; graduate student: Bailee Dykes. Lauren Ryan earned the Troy University Department of Biological and Environmental Sciences **Scholar’s Award** presented to her at the annual Honors Convocation held in April, 2012, for her balance of academic excellence, service, and research; the research aspect was based on her work with this project.
- “A Floristic Study of the Burks Mountain Serpentine Barrens, Columbia County, Georgia” in 2005-06 and supported by a grant from the Georgia Native Plant Society; undergraduate students: Amanda Briant, Maggie Pschandl, Renee’ Van Cleave, John Williams
- “Comparative Species Diversity in Riparian, Upland Mesophytic, and Upland Oak-Hickory-Pine Forests in the Yahoola Creek Watershed, Lumpkin County, Georgia” in 2005; undergraduate students: Lashelle Lawson, Thao Nguyen, Landis Olar
- “A Floristic Study of Ramblewood, Lumpkin County, Georgia” in 2004-05; undergraduate students: Jennifer Barron, Amanda Briant, Gina Childers, Michelle Clifton, Sarah Gowder, Renee’ Van Cleave; graduate student: Brittney Denier Cantrell.
- “A Floristic Study of the NGCSU Cane Creek Property, Lumpkin County, Georgia” in 2003-04; supported by a grant from the NGCSU School of Natural & Health Sciences; undergraduate students: William Jones, Lisa Burke, Jamie Lipchinsky, Baron Mullis, Laura Ownby; graduate students: Jennifer Wisdom, Lori Bruce. William Jones and Lisa Burke presented this work for the **NGCSU Honors Day Program** in April, 2004.

“The Bond Between Botany and Medicine” in 2001; undergraduate student:
Kathryn Kuebler

“The Other Florida” in 2000; web-based tutorial development for BIOL 4311/6311
(Plant Taxonomy/Botany Extended Field Laboratory), a four-day excursion to Cape
San Blas, the Apalachicola National Forest, and Torreya State Park, Florida;
undergraduate student: Micah Anderson

“Prey Capture in a Montane Purple Pitcher Plant (*Sarracenia purpurea*) Population”
in 2000 and supported by a grant from the NGCSU School of Natural & Health
Sciences; undergraduate student: Melissa Lewis; co-advisor: Mark S. Davis.
Melissa received a **Best Student Paper Award** presented to her at the annual
Georgia Academy of Science meeting banquet.

“A Floristic Study of Glade Shoals Granite Outcrop and Adjacent Habitats, Hall
County, Georgia” in 2000 and supported by a grant from the NGCSU School of
Natural & Health Sciences; undergraduate students: Jodi Greenlee, Lyrad
Smallwood, Sarah Tate Gannaway. Jodi presented this work for the **NGCSU
Honors Day Program** in April, 2001.

“Summer Flora of Selected Calcareous Bluffs in Bartow and Gordon Counties,
Georgia” in 1999; undergraduate student: Lyrad Smallwood. Lyrad presented
this work for the **NGCSU Honors Day Program** in April, 2000, and also
authored a manuscript published by *Honores: The NGCSU Journal of
Undergraduate Research* in April, 2001. See the citation below:
Smallwood, Lyrad N. 2001. Summer flora of selected calcareous bluffs in
Bartow and Gordon Counties, Georgia. *Honores: The NGCSU Journal of
Undergraduate Research* 1:34-47.

“Vascular Plants of North Georgia” in 1999; web-based tutorial development for
BIOL 4310/6310 (Plant Taxonomy); undergraduate student: Drew Henderson

“Summer Flora of Blue Ridge Property, Fannin County, Georgia” in 1998;
graduate student: Dana Tipton

“Summer Flora of Pine Valley Recreation Area, Lumpkin County, Georgia” in
1994-1997; undergraduate students: Holly Tatum, Ryan Moore, Sandra
Butram; graduate student: Jean Ward.

Other Teaching-Related Activities

Set up **financial account** (with Mrs. Teresa Moore) resulting from sales of *Lab Manual
for Biology L100* that we co-authored with Cengage Learning authors to support
undergraduate and graduate students conducting research in the Department of
Biological and Environmental Sciences, **Troy University**; spring, 2014 to fall,
2015; account exceeded **\$10,000** total.

Coordinated summer internships for two **Troy University students** (Adele Crabtree and Elijah Ward) at the **Sheridan Research and Extension Center of the University of Wyoming**; the students were studying rangeland ecology; June to July, 2024.

Led Troy University students taking BIO 4454/5554 – Biogeography Field Study to **Joe Wheeler State Park and the Tennessee Valley Authority Trails** in the **Interior Plateau** level III ecoregion, to **Natural Bridge Park** in the **Southwestern Appalachians** level III ecoregion, to **Oak Mountain State Park and the Kathy Stiles Freeland Bibb County Glades Preserve of The Nature Conservancy** in the **Ridge and Valley** level III ecoregion, to the **Pike County Pocosin Forever Wild Tract, Solon Dixon Center of Auburn University, and the Conecuh National Forest** in the **Southeastern Plains** level III ecoregion, and to **Weeks Bay National Estuarine Research Reserve, Graham Creek Preserve, and Bon Secour National Wildlife Refuge** in the **Southern Coastal Plain** level III ecoregion, 2024.

Arranged for **waived registration fees (\$800) for 16 NGCSU students** (Cynthia Smith Anderson, Nathan Beasley, Valorie Boyd, Lisa Burke, Sharon Candler, Joanna Cipolla, Michelle Clifton, Lisa Cross, Beth Greenway, William Jones, Jamie Lipchinsky, Fortune Nsome, Landis Olar, Stephanie Riley, Grace Thiongo, Ashley Williams) to attend the **Georgia Native Plant Society's Annual Symposia**, held in October, 2001-03, 2005. Students received resources on how to incorporate plant biology in the public school system. **Five NGCSU students wrote articles, for which I served as an editor, about the symposia.** See citations below:
Beasley, Nathan. 2006. Molecular Biology: Its Role in the Future of Herbaria. *NativeSCAPE* 12:9-10.
Cipolla, Joanna. 2003. A Teacher's Perspective. *NativeSCAPE* 9:5.
Riley, Stephanie. 2004. Landscaping with Native Grasses. *NativeSCAPE* 10:1-3.
Thiongo, Grace. 2006. Herbaria: Managing and Restoring Diversity. *NativeSCAPE* 12:8.
Williams, Ashley. 2004. Butterfly Gardening: Georgia's Native Plants. *NativeSCAPE* 10:6.

Participated as a professional botanist in **Elachee Nature Science Center's Biodiversity Blitzes** (Gainesville, GA) in May and September, 2003, to assist the staff there in developing teaching exercises focused on the outdoors for visiting school groups. My BIOL 3321 – General Botany students also participated in the preparation of a comprehensive plant checklist. This event led to an **internship program** in 2003-05 **for three NGCSU students** (Laura Ownby, Lesli Duval, Kimberly Bollinger) **planning careers as high school science teachers.**

Led NGCSU students taking extended field study courses to **Cape San Blas, Apalachicola National Forest, and Torreya State Park, Florida** (1995-2005) and also to the **Okefenokee Swamp, the University of Georgia Marine Institute**

on Sapelo Island, and the **Joseph W. Jones Ecological Research Center (Ichauway) in Georgia** (1994; the latter in 2003-04). The connection with Ichauway resulted in **research technician positions** in plant ecology for **three NGCSU students** (Kathleen Mawhinney, Jamie Lipchinsky, Amanda Briant) in 2003 & 2006; the three students planned to attend graduate school following this experience.

Led NGCSU students taking BIO 4710 – Biogeography to **Brasstown Bald** in the **Blue Ridge Mountains**, to **Stone Mountain** in the **Piedmont**, to **Cloudland Canyon** in the **Cumberland Plateau**, to the **Burks Mountain Ultramafic Barrens and Woodlands** in the **lower Piedmont**, and to longleaf pine sandhill communities near the **Fall Line**, and **Shell Bluff** and environs in the **Coastal Plain**, 2005.

Wrote requests for **NGCSU Student Government Association (SGA) Travel Awards for four students** (Jodi Greenlee, Drew Henderson, Melissa Lewis, and Lyrad Smallwood) giving presentations at the annual Georgia Academy of Science and Association of Southeastern Biologists meetings held in March, 2001, and April, 2000, respectively. Lodging and transportation costs were covered.

Service

Committees at Troy University

Department Committees

Student Research Travel Grant Evaluation Committee, 2016, 2018, **Chair**

Graduate Thesis Proposal Guidelines Revision Committee, 2008, **Chair**

Lecturer in Biology Search Committee, 2008, **Chair**

Curriculum Committee, Freshman Biology Subcommittee, 2012-Present, Member

Master of Science in Environmental and Biological Sciences Committee for Yoon Cho, thesis title: Evaluating the use of online discussion board in freshman biology courses at Troy University, 2008-09, Member

Master of Science in Environmental and Biological Sciences Committee for Puja Shrestha, thesis title: Use of protein electrophoresis to examine genetic variation in bald cypress and pond cypress in southeast Alabama, 2008-09, Member

Master of Science in Environmental and Biological Sciences Committee for Roaa Hadi, thesis title: Mechanisms underlying changes in anxiety/depression-related behaviors and neural circuits in zebrafish (*Danio rerio*) following exposure to *Hypericum perforatum* extracts, 2013-2014, Member

Master of Science in Environmental and Biological Sciences Committee for Christopher Buff, thesis title: Characterizing avian communities of freshwater wetlands in Alabama across multiple spatial scales, 2020-2022, Member

Master of Science in Environmental and Biological Sciences Committee for Joshua Bailey, thesis title: A vascular plant survey of Blue Springs State Park and Forever Wild Tract, Barbour County, Alabama, 2024-Present, Chair

Master of Biology Education Comprehensive Examination Committee for Allison Farrington; examination questions based on my BIO 6662 – Invasive Species Biology course at Troy University, March, 2011.

University Committees

Faculty Development Committee, 2012-2015, Member
Arboretum Oversight Committee, 2012-2015, Member

Committees at the University of Southern Mississippi

Master of Science thesis committee for Amos Adams, thesis title: A floristic survey of Marion County, Mississippi, 2022-Present, Member
Master of Science thesis committee for Allison Wilson, thesis title: A floristic survey of Lamar County, Mississippi, 2023-Present, Member

Committees at North Georgia College & State University

Department Committees

SACS Narrative Committee, Summer, 2005, Member
Assistant Professor in Cell Biology/Toxicology and Assistant Professor in Human Anatomy & Physiology/Microbiology Search Committee, Spring, 2005, Member
Curriculum Committee, 2003-04, Member
Assistant Professor in Genetics Search Committee, 2003-04, Member
Biology Department Head Search Committee, Spring, 2002, Member
Harry B. Forester Eminent Scholar Chair in Biology Search Committee, 2001-02, Member
Physics Department Comprehensive Program Review Committee, 2002-03, Member
Assistant Professor in Genetics/Cell Biology Search Committee, 2000-01, Member
Biology Department Head Search Committee, 1999-2000, Member
Ad Hoc Biology Department Storage Committee, 1999, Member
Biology Department Independent Study Committee, 1999, Member
Biology Department Promotion & Tenure Committee, 1998-99, Member
Biology Department Advisement Committee, 1998-99, **Chair**
Biology Interim Department Head Search Committee, 1998, Member
Assistant Professor in Genetics Search Committee, 1998, Member
Biology Department Curriculum Committee, 1998, Member
Biology Department Library Committee, 1998, **Chair**
Assistant/Associate Professor in Environmental Science/Developmental Biology Search Committee, 1997, Member
Biology Department Semester Conversion Committee, 1995-98, Member
Biology Department Brochure Committee, 1997, Member
Biology Lab Coordinator/Instructor Search Committee, 1996, Member
Assistant Professor in Physiology Search Committee, 1994-95, Member
Biology Department Introductory Biology Sequence Revision Committee, 1994, Member

School Committees

NGCSU School of Natural & Health Sciences Promotion & Tenure Committee,
1999-2001, Member

University Committees

Faculty Development Advisory Committee, 1997-2005, Member,
Chair in 1998-99
Admissions Committee, 2002-03, Member
Council of Honor Societies, 1999-2004, Member (Faculty Advisor for
Phi Eta Sigma, the National Freshman Honor Society)
Faculty Senate, 2001-02 (representing Biology Department)
Editorial Advisor for *Honores: The NGCSU Journal of Undergraduate
Research*, 2000-02, Member of Editorial Board
Oral Communication Assessment Evaluator, NGCSU Honors Day Program,
Spring, 2000, Member of Evaluation Committee
Oral Communication Assessment Instrument Reviewer, Spring, 2000,
Member of Review Committee
Academic Review Committee, 2000, Member
Discipline Committee, 2000, Member
Ad Hoc Core Curriculum Committee, Fall, 1999, Member
Advisory Committee of Faculty Associates for the Center for Science,
Mathematics, and Environmental Education, 1994-99, Member
Graduate Faculty Advisory Committee, 1998, Member
Writing Skills Committee, 1996-98, Member
Institutional Effectiveness Committee, 1995-97, Member
Health Committee, 1994-96, Member, **Chair in 1995-96**
Master of Biology Education Comprehensive Examination Committee for
Ann Stucke; examination questions based on my BIO 6310 – Plant Taxonomy
course at North Georgia College, April, 1995.
Master of Biology Education Comprehensive Examination Committee for
Russell Gray; examination questions based on my BIO 6310 – Plant Taxonomy
course at North Georgia College, April, 1995.

University System of Georgia Committees

Assessment Committee, 2000-01, Member

Committees at the University of Florida

Botany Department Undergraduate Committee, 1992-93, Member
Botany Department Representative to the Graduate Student Council, 1991-92,
Member
Graduate Student Affairs Committee, 1991-92, Member
Greenhouse Committee, 1988-89, Member

Community Service

Science Olympiad event coordinator at NGCSU, 1996, 1998-99, 2001-05;

supervised Tree-mendous, Nature Quest, Feathered Frenzy, and Forestry events

Judge for district science fairs at Gainesville College, Gainesville, GA,
1994-2003

Judge for 46th, 47th, 48th, 49th, and 50th Georgia Science and Engineering Fairs
at The University of Georgia, Athens, GA, 1994-98

Supervised PREP Middle School Visits to NGCSU Biology Department, 2000-01

Led lecture/discussion/laboratory/field trip sessions for the **NGCSU/North Georgia
RESA Summer Honors Program**, 1994-2001

Invited speaker for the NGC Elderhostel program at Amicalola Falls State Park, GA,
May and October, 1995

Professional Organizations

Association of Southeastern Biologists, Member (1989-Present)

Southern Appalachian Botanical Society, Member (1986-Present)

Botanical Research Institute of Texas, Member (1988-Present)

The Society of Herbarium Curators, Member (2003-Present) (Secretary in 2003-04)

The Crosby Arboretum, Member (1986-Present)

Alabama Academy of Science, Member (2008-2016)

Georgia Academy of Science, Member (1997-2006)

Georgia Botanical Society, Member (1997-2018); board of directors (2001-2010)

Georgia Native Plant Society, Member (1999-2006)

Georgia Exotic Pest Plant Council, Member (1999-2006); board of directors (2000-04)

Mississippi Academy of Sciences, Member (1987-1988; 2001-2002)

Mississippi Plant Conservation Alliance (2019-Present)

Southeast Exotic Pest Plant Council, Member (2001-2006; 2010-2014)