

CURRICULUM VITAE

David R. Morgan

Department of Biology, University of West Georgia, Carrollton, GA 30118
(678) 839-4044; dmorgan@westga.edu

EDUCATION:

- Ph.D. Plant Biology, University of Texas at Austin, August 1990
Dissertation title: A systematic study of *Machaeranthera* (Asteraceae) and related groups using restriction site analysis of chloroplast DNA and a taxonomic revision of *Machaeranthera* section *Psilactis*.
- M.S. Biological Sciences, Mississippi State University, August 1979
Thesis title: A floristic survey of northeastern Jones County, Mississippi.
- B.S. Mississippi State University, 1976 (Summa cum laude)
Major: Entomology

ACADEMIC POSITIONS HELD:

UNIVERSITY OF WEST GEORGIA
Professor of Biology
August 2010 to date

UNIVERSITY OF WEST GEORGIA
Associate Professor of Biology
August 2005–May 2010

WESTERN WASHINGTON UNIVERSITY
Associate Professor of Biology
September 1997–June 2005

WESTERN WASHINGTON UNIVERSITY
Assistant Professor of Biology
September 1993–June 1997

WASHINGTON STATE UNIVERSITY, PULLMAN
Postdoctoral Research Associate
January 1991–July 1993.

THE UNIVERSITY OF TEXAS, AUSTIN
Biology Instructor
August–December 1990

THE UNIVERSITY OF TEXAS, AUSTIN
Teaching Assistant
1986–1987 and 1989–1990

PEER-REVIEWED PUBLICATIONS:

- Wang, C., Z.-Y. Yap, P. Wan, K. Chen, R. A. Folk, D. Z. Damrel, W. Barger, A. Diamond, C. Horn, G. P. Landry, T. Samarakoon, S. Harvey, **D. R. Morgan**, Y. Qiu and P. Li. 2023. Molecular phylogeography and historical demography of a widespread herbaceous species from eastern North America, *Podophyllum peltatum*. *American Journal of Botany*. DOI: 10.1002/ajb2.16254
- Morgan, D. R.** and T. A. Zanoni. 2022. Revised taxonomy with a new combination for a Mexican species of *Xanthisma* (Asteraceae: Astereae). *Harvard Papers in Botany* 27: 53–55.
- Morgan, D. R.**, J. R. Morgan and J. Wasdin. 2020. Moss communities of xeric calcareous habitats in the southeastern United States: An assessment of compositional variation and distance decay. *The Bryologist* 123: 396–411.
- Saunders, T. N. and **D. R. Morgan**. 2019. The vascular flora of Snake Creek Gorge in the Georgia Piedmont. *Castanea* 84: 53–69.
- Morgan, D. R.**, L. Krstec and R. Korn. 2016. Variation in moss floras of granite outcrops in the southern Piedmont, eastern U.S.A. *The Bryologist* 116: 16–28.
- Morgan, D. R.** and B. Holland. 2012. Systematics of Symphyotrichinae: Disagreements between two nuclear regions suggest a complex evolutionary history. *Systematic Botany* 37: 818–832.
- Morgan, D. R.** 2012. *Arida*, *Dieteria*, *Machaeranthera*, and *Xanthisma*. Pp 246, 300–302, 378, and 442–443 in *The Jepson Manual: Vascular Plants of California, second edition*. Eds. B. G. Baldwin, D. H. Goldman, D. J. Keil, R. Patterson, T. J. Rosatti, and D. H. Wilken. Berkeley: University of California Press.
- Morgan, D. R.**, R.-L. Korn and S. L. Mugleston. 2009. Insights into reticulate evolution in Machaerantherinae (Asteraceae: Astereae): 5S ribosomal RNA spacer variation, estimating support for incongruence, and constructing reticulate phylogenies. *American Journal of Botany* 96: 920–932.
- Potter, D., T. Eriksson, R. C. Evans, S. Oh, J. E. Smedmark, **D. R. Morgan**, M. Kerr, K. R. Robertson, M. Arsenault, T. A. Dickinson and C. S. Campbell. 2007. Phylogeny and classification of Rosaceae. *Plant Systematics and Evolution* 266: 5–43.
- Campbell, C. S., R. C. Evans, **D. R. Morgan**, T. A. Dickinson and M. P. Arsenault. 2007. Phylogeny of subtribe Pyrinae (formerly the Maloideae, Rosaceae): Limited resolution of a complex evolutionary history. *Plant Systematics and Evolution* 266: 119–145.
- Morgan, D. R.** 2006. *Dieteria*. Pp 395–401 in *Flora of North America*. Vol. 20. Magnoliophyta: Asteridae, part 6: Asteraceae, part 2. Eds. Flora of North America Editorial Committee. New York: Oxford University Press.
- Morgan, D. R.** 2006. *Psilactis*. Pp 462–464 in *Flora of North America*. Vol. 20. Magnoliophyta: Asteridae, part 6: Asteraceae, part 2. Eds. Flora of North America Editorial Committee. New York: Oxford University Press.

- Morgan, D. R.** and R. L. Hartman. 2006. *Machaeranthera*. Pp 394–395 in *Flora of North America*. Vol. 20. Magnoliophyta: Asteridae, part 6: Asteraceae, part 2. Eds. Flora of North America Editorial Committee. New York: Oxford University Press.
- Morgan, D. R.** and R. L. Hartman. 2003. A synopsis of *Machaeranthera* (Asteraceae), with recognition of segregate genera. *Sida Contributions to Botany* 20: 1387–1416.
- Morgan, D. R.** 2003. nrDNA external transcribed spacer (ETS) sequence data, reticulate evolution, and the systematics of *Machaeranthera* (Asteraceae). *Systematic Botany* 28: 179–190.
- Soltis, D. E., M. E. Mort, P. S. Soltis, C. Hibsich-Jetter, E. A. Zimmer and **D. R. Morgan**. 1999. Phylogenetic relationships of the enigmatic angiosperm family Podostemaceae inferred from 18S rDNA and *rbcL* sequence data. *Molecular Phylogenetics and Evolution* 11: 261–272.
- Morgan, D. R.** 1997. Reticulate evolution in *Machaeranthera* (Asteraceae). *Systematic Botany* 22: 599–615.
- Morgan, D. R.** 1997. Decay analysis of large sets of phylogenetic data. *Taxon* 46: 509–517.
- Lane, M. A., **D. R. Morgan**, Y. Suh, B. B. Simpson and R. K. Jansen. 1996. Relationships of North American genera of Astereae, based on chloroplast DNA restriction site data. Pp 49–77 in *Proceedings of the International Compositae Conference, 1994*, eds. D. J. N. Hind, H. Beentje, and G. V. Pope. Royal Botanic Gardens, Kew.
- Soltis, D. E., P. S. Soltis, **D. R. Morgan**, S. M. Swensen, B. C. Mullin, J. M. Dowd and P. G. Martin. 1995. Chloroplast gene sequence data suggest a single origin of the predisposition for symbiotic nitrogen fixation in angiosperms. *Proceedings of the National Academy of Sciences* 92: 2647–2651.
- Morgan, D. R.**, D. E. Soltis, and K. R. Robertson. 1994. Systematic and evolutionary implications of *rbcL* sequence variation in Rosaceae. *American Journal of Botany* 81: 890–903.
- Soltis, D. E., **D. R. Morgan**, A. Grable, P. S. Soltis and R. Kuzoff. 1993. Molecular systematics of Saxifragaceae sensu stricto. *American Journal of Botany* 80: 1056–1081.
- Morgan, D. R.** 1993. A molecular systematic study and taxonomic revision of *Psilactis* (Asteraceae: Astereae). *Systematic Botany* 18: 290–308.
- Morgan, D. R.** and D. E. Soltis. 1993. Phylogenetic relationships among members of Saxifragaceae sensu lato based on *rbcL* sequence data. *Annals of the Missouri Botanical Garden* 80: 631–660.
- Xiang, Q., D. E. Soltis and **D. R. Morgan**. 1993. Phylogenetic relationships of *Cornus* L. sensu lato and putative relatives inferred from *rbcL* sequence data. *Annals of the Missouri Botanical Garden* 80: 723–734.
- Chase, M., D. Soltis, R. Olmstead, **D. R. Morgan**, M. Duvall, R. Price, H. Hills, J. Palmer, M. Clegg, J. Rettig, J. Manhart, K. Sytsma, J. Rodman, J. Kress, D. Clark, K. Kron, M. Donoghue, R. Jansen, C. Wimpee, J. Smith, G. Furnier, Q. Xiang, G. Plunkett,

S. Barrett, P. Soltis, A. Graham and V. Albert. 1993. Phylogenetics of seed plants: An analysis of nucleotide sequences from the plastid gene *rbcL*. *Annals of the Missouri Botanical Garden* 80: 528–580.

Morgan, D. R. and B. B. Simpson. 1992. A systematic study of *Machaeranthera* (Asteraceae) and related groups using restriction site analysis of chloroplast DNA. *Systematic Botany* 17: 511–531.

Nesom, G. L., Y. Suh, **D. R. Morgan**, S. D. Sundberg and B. B. Simpson. 1991. Chloracantha, a new genus of North American Astereae (Asteraceae). *Phytologia* 70: 371–381.

Nesom, G. L. and **D. R. Morgan**. 1990. Reinstatement of *Tonestus* (Asteraceae: Astereae). *Phytologia* 68: 174–180.

Nesom, G. L., Y. Suh, **D. R. Morgan** and B. B. Simpson. 1990. *Xylothamia* (Asteraceae: Astereae), a new genus related to *Euthamia*. *Sida Contributions to Botany* 14: 101–116.

Morgan, D. R., N. P. Tugwell and J. L. Bernhardt. 1989. Early rice field drainage for control of rice water weevil (Coleoptera: Curculionidae) and evaluation of an action threshold based upon leaf-feeding scars of adults. *Journal of Economic Entomology* 82: 1757–1759.

Morgan, D. R., P. H. Slaymaker, J. F. Robinson and N. P. Tugwell. 1984. Rice water weevil (Coleoptera: Curculionidae) indirect flight muscle development and spring emergence in response to temperature. *Environmental Entomology* 13: 26–28.

Morgan, D. and S. McDaniel. 1979. *Trillium pusillum* (Liliaceae) in Mississippi. *Sida Contributions to Botany* 8: 209–210.

OTHER PUBLICATIONS:

Morgan, D. R., G. Weaver and R. Nicolson. 2013. Vascular plant inventory of McIntosh Reserve, Carroll County Georgia.
<http://friendsofmcintoshreserve.org/publications/other-publications/>

Morgan, D. R. 2001. Rosaceae. Chapter contributed to *Plant Sciences for Students*. New York: Macmillan.

Morgan, D. R. 1998. Book review of Intermountain Flora: Volume 3A. *Journal of the Torrey Botanical Society* 125: 89.

INVITED PRESENTATIONS:

Morgan, D. R. Reticulate evolution in flowering plants: examples from the sunflower family. Kennesaw State University, March 2016.

Morgan, D. R. Reticulate evolution in flowering plants: examples from the sunflower family. University of West Georgia, September 2016.

Morgan, D. R. Lichens and mosses of Georgia. Georgia Native Plant Society, West Georgia chapter, June 2013.

Morgan, D. R. Native grasses and sedges of Georgia. Georgia Native Plant Society, West Georgia chapter, October 2012.

Morgan, D. R. Plant inventory of McIntosh Reserve, Carroll County Georgia. Georgia Botanical Society, May 2010.

Morgan, D. R. Plant inventory of McIntosh Reserve, Carroll County Georgia. Friends of McIntosh Reserve annual meeting, October 2010.

Evans, R., C. Campbell, D. Potter, **D. Morgan**, T. Eriksson, L. Alice, S.-H. Oh, E. Bortiri, F. Gao, J. Smedmark, and M. Arsenault. A Rosaceae Phylogeny. Presented at the colloquium "Rosaceae phylogeny: current knowledge, problems, and prospects" held at the Botanical Society of America meeting, August 2002

Morgan, D. R. and K. R. Robinson. Fruit evolution in Rosaceae. Presented at the colloquium "Rosaceae phylogeny: current knowledge, problems, and prospects" held at the Botanical Society of America meeting, August 2002.

Morgan, D. R., K. R. Robinson and C. S. Campbell. Origin of the fruits of Maloideae s.l. Presented at the symposium "Phylogeny, Evolution and Systematics of Rosaceae" held at the International Botanical Congress, August 1999.

Morgan, D. R. Molecular data and the subfamilial classification of Rosaceae. Presented at the symposium "Translating Phylogenetic Analyses into Classifications" held at the American Institute of Biological Sciences meeting, August 1995.

CONTRIBUTED PRESENTATIONS:

Morgan, D. R. and J. R. Morgan. 2023. Molecular systematics and biogeography of *Dieteria* (Asteraceae: Astereae). Botanical Society of America annual meeting, Boise, Idaho.

Morgan, D. R., L. Krstec, and R. Korn. 2016. Variation in moss floras of southern Piedmont granite outcrops. Botanical Society of America annual meeting, Savannah, Georgia.

Zomlefer, W. B., S. Hughes, J. R. Carter, D. E. Giannasi, A. Harvey, and **D. R. Morgan**. 2015. Patterns of biodiversity documented by four herbaria in Georgia: Do small collections data make a difference? Abstract 167. Association of Southeastern Biologists, 76th Annual Meeting, Chattanooga, TN.

Morgan, D. R. and B. Holland. 2010. Systematics of Symphyotrichinae: Disagreements between two nuclear regions indicate complex relationships between *Psilactis* and *Symphyotrichum*. Botanical Society of America annual meeting, Providence, Rhode Island.

Morgan, D. R., R.-L. Korn, and S. L. Mugleston. 2008. 5S Ribosomal RNA spacer variation in Machaerantherinae (Asteraceae: Astereae): Resolution of relationships and clarification of reticulate evolution processes. Botanical Society of America annual meeting, Vancouver, B.C., Canada.

- Morgan, D. R.** 2001. Nuclear rDNA ETS sequence data and the systematics of *Machaeranthera* (Asteraceae). Botanical Society of America annual meeting, Albuquerque, New Mexico.
- Morgan, D. R.** 1996. Nuclear rDNA ITS data and the systematics of *Machaeranthera* (Asteraceae). Botanical Society of America annual meeting, Seattle, Washington.
- Morgan, D. R.** and D. E. Soltis. 1994. Evolutionary implications of *rbcL* sequence variation in Rosaceae. Northwest Scientific Association annual meeting, Ellensburg, Washington.
- Morgan, D. R.**, D. E. Soltis, and K. R. Robertson. 1993. Systematic and evolutionary implications of *rbcL* sequence variation in Rosaceae. Botanical Society of America annual meeting, Ames, Iowa.
- Morgan, D. R.** A reassessment of the systematics of *Machaeranthera* section *Psilactis* (Asteraceae: Astereae). American Institute of Biological Sciences, 1991.
- Morgan, D. R.**, D. E. Soltis and P. S. Soltis. Phylogenetic relationships in Saxifragaceae sensu lato and Rosales based on *rbcL* sequence data. American Institute of Biological Sciences, 1991.
- Morgan, D. R.** and B. B. Simpson. A systematic study of *Machaeranthera* (Asteraceae) using chloroplast DNA analysis. American Institute of Biological Sciences, 1989

GRANTS:

- Morgan, D. R. "Moss floras of southern Piedmont rock outcrops." Georgia Native Plant Society; 2013-2014; \$500.00.
- Morgan, D. R. "Variation in moss communities on southern Piedmont rock outcrops." COSM Faculty Research Grant; 2013-2014; \$1,250.00.
- Morgan, D. R. "The relationship between *Psilactis* and *Symphyotrichum*." UWG Faculty Research Grant; 2010-2011; \$1,016.00.
- Wendell Hoopes, D. R. Morgan, and Friends of McIntosh Reserve. "McIntosh Reserve Park native plant survey." Community Foundation of West Georgia; 2009-2012; \$4,700.00.
- Morgan, D. R. "The relationships of a unique group of Mexican species in the Sunflower family." UWG Faculty Research Grant; 2008-2009; \$1,000.00.
- Grants continued:
- Holmes, W., S. Mabry, and D. R. Morgan. "McIntosh Reserve native plant rescue project." Pre-proposal submitted to the National Fish and Wildlife Foundation; 2007; \$14,528.00 (not funded).
- Morgan, D. R. "Investigation of reticulate evolution in *Machaeranthera*." Mini-grant from the WWU Bureau for Faculty Research; 2004; \$750.00.
- Morgan, D. R. "DNA sequence data and the evolution of *Machaeranthera*." Grant-in-Aid from the WWU Bureau for Faculty Research; 2001; \$1,450.00.

Morgan, D. R. "The origin of pome fruits." Grant-in-Aid from the WWU Bureau for Faculty Research; 1998; \$1,083.00.

Morgan, D. R. "Incorporation of modern evolutionary research methods into an undergraduate laboratory." ILI grant from the National Science Foundation; 1994-1996; \$6,440.00, matched by \$6,440.00 from WWU.

Morgan, D. R. "Evolutionary studies in the sunflower family." Grant-in-Aid from the WWU Bureau for Faculty Research; 1994; \$642.00.

REVIEWS:

Journals:

Systematic Botany: 1993, 1996, 1997, 1999, 2000, 2001 (two times), 2002, 2006 (three times), 2007, 2012, 2013
American Journal of Botany: 1992, 1994, 1998, 2002, 2003, 2005, 2009
Annals of the Missouri Botanical Garden: 1993, 1994
Annals of Botany: 2009
Theoretical and Applied Genetics: 1995
Journal of Evolutionary Biology: 1995
Sida Contributions to Botany: 1999, 2006
Journal of the Torrey Botanical Society: 1997
International Journal of Plant Sciences: 2000, 2006, 2007, 2014
Phytochemistry: 2001
Plant Systematics and Evolution: 2001
Rhodora: 2004
Journal of Systematics and Evolution: 2019 (two times)
Journal of the Botanical Research Institute of Texas: 2007, 2008, 2014, 2015
Molecular Phylogenetics and Evolution: 2008
Madrono: 2015
Southeastern Naturalist: 2016
Taxon: 2023

Funding agencies:

National Science Foundation: 1994, 1995, 1996, 1997 (two times), 1998 (two times), 1999, 2000, 2001, 2002, 2004, 2006
Canada Council for the Arts: 1998.
Civilian Research and Development Foundation: 2008

Books:

Judd, Campbell, Kellogg, Stevens, and Donoghue. 1999. *Plant Systematics: A Phylogenetic Approach*
Solomon, Berg, and Martin. 2005. *Biology*, eighth edition.
Turner and Gustafson. 2005. *Wildflowers of the Pacific Northwest*.
Brooker, Widmaier, Graham, and Stiling. 2008. *Biology*, second edition.
Cain, Bowman, and Hacker. 2010. *Ecology*, second edition.
Morris, Hartl, Knoll, Lue, Berry, Biewener, Farrell, Holbrook, Pierce, and Viel. 2010–2012. *How Life Works*.
Brandenburg. 2010. *Field Guide to the Wildflowers of North America*.
Emlen and Zimmer. 2022. *Evolution: Making Sense of Life*, fourth edition.

UNIVERSITY TEACHING EXPERIENCE:

Introductory Cell and Molecular Biology
Introductory Evolution, Ecology, and Biodiversity
Introductory Plant and Animal Biology
Introductory Plant Biology
Systematic Botany/Plant Taxonomy
Intermediate/advanced Plant Biology
Biological Diversity
Ecology
Evolution
Advanced Plant Systematics
Plant Anatomy
Pollination Biology

PROFESSIONAL SOCIETIES:

American Bryological and Lichenological Society
American Society of Plant Taxonomists
Botanical Society of America
Southern Appalachian Botanical Society

EDITORIAL SERVICE:

Associate Editor, *Systematic Botany*; 2013–2017.
Associate Editor, *Northwest Science*; 2001–2005.

COLLEGE AND UNIVERSITY SERVICE:

University of West Georgia

Biology Department team captain for A-Day: 2006, 2007, 2008
Biology Department representative to the Faculty Affairs Committee: 2006–2007, 2007–2008
Interviewer for applicants to the Advanced Academy: 2008–2009
WAC/DSW committee: 2008–2009
College of Science and Mathematics interim dean search committee: fall 2010
College of Science and Mathematics dean's advisory committee: fall 2010–spring 2011
UWG faculty development committee: fall 2011–spring 2013
College for a Day leader: spring 2012
College of Science and Mathematics promotion and tenure committee: fall 2014–spring 2016
UWG Faculty Senate: spring 2017
College of Science and Mathematics executive committee: fall 2018–spring 2019
Student Affairs and Intercollegiate Activities committee: fall 2022 to date

Western Washington University

Graduate Council: 1996–1998
College of Science and Technology resources committee: 2003–2005
College of Science and Technology professional leave committee: 2003–2004
Summerstart advisor for beginning freshmen: 1999
Radiation safety committee: 2004–2005

DEPARTMENT SERVICE:

University of West Georgia Biology Department

Committee chairmanships

Lecturer search committee: Spring 2007
Library committee: Spring 2007
Undergraduate curriculum committee: 2007–2008, 2017–2018
Cell/molecular biologist search committee: 2008–2009
Graduate curriculum committee: 2009–2010
Science education faculty search committee (co-chair): 2012
Personnel committee: 2012–2013, 2014–2015, 2021–2022
Plant biologist search committee: 2015–2016
Paid leave committee: 2018
Internal department chair search committee: spring 2019

Other committee memberships

Policies and procedures committee: 2017–2018
Undergraduate curriculum committee: 2005–2008, 2015–2018
Environmental Biology undergraduate program committee: 2005–2006
Freshman seminar development committee: 2007
Graduate curriculum committee: 2007–2009
Personnel committee: 2010–2013, 2013–2015, 2019–2021.

Other department service

Internship coordinator: 2019 to date

Western Washington University Biology Department

Committee chairmanships

Graduate committee (Graduate Program Director): 1997–2001
Plant biologist search committee: 1996
Greenhouse design and construction committee: 1995–1996
Schedule committee: 2004–2005

Other committee memberships

Executive committee: 1994–1999, 2004–2005
Search committees: 1997, 1999, 2001
Graduate committee: 1994–1997, 2002–2004
Curriculum committee: 1993–1994, 2001–2005

COMMUNITY SERVICE:

Georgia Botanical Society

Field trip leader: May 2010

Field trip leader for annual Wildflower Pilgrimage: April 2011

West Georgia Regional Science Fair

Science project judge: February 2010, February 2016

Carroll County Cooperative Extension Service, Georgia

Instructor for the Master Gardener Program: 2010, 2011, 2013, 2014, 2016, 2018

Troup County Cooperative Extension Service, Georgia
Instructor for the Master Gardener Program: 2007, 2008

Muscogee County Cooperative Extension Service, Georgia
Instructor for the Master Gardener Program: 2008

Botanical Society of America
Faculty mentor for the Society's Planting Science program: 2006-2009

Friends of McIntosh Reserve
Leader of native plant field trips, McIntosh Reserve: May 2008, June 2009, June 2011,
August 2012, May 2014, April 2017, March 2018, April 2023

Presentations to Local Chapter of Georgia Botanical Society
Vascular plant inventory of McIntosh Reserve: October 2010
Grasses and sedges: October 2012
Lichens and mosses: June 2013

Washington Native Plant Society
Workshop on identifying Rosaceae for the state WNPS: 1998
Programs for the Kulshan and Salal chapters of the WNPS: 1994-2004

Whatcom County Cooperative Extension Service, Washington
Instructor for the Master Gardener Program: 2002-2005

Western Washington University Elder Hostel
Botanical tours of Sehome Hill Arboretum: 1998