

CURRICULUM VITAE
TIMOTHY MORGAN EVANS

Associate Professor, Biology
Biology Department
Grand Valley State University
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EDUCATION:

- 1995 Ph. D. - Botany. University of Wisconsin. Madison, Wisconsin. Thesis: A Phylogenetic Analysis of the Plant Family Commelinaceae based on Morphological and Molecular Characters. (Advisor: Dr. Kenneth Sytsma)
- 1991 M. S. - Botany. University of Wyoming, Laramie, Wyoming. Thesis: Chloroplast DNA Variation in *Haplopappus* section *Oonopsis* (Asteraceae). (Advisor: Dr. Gregory Brown)
- 1989 B. S. - Botany. University of Wyoming, Laramie, Wyoming. (Advisor: Dr. Gregory Brown)

PROFESSIONAL EXPERIENCE:

- 2011-present Associate Professor of Biology, Grand Valley State University, Allendale, Michigan
- 2008-2011 Assistant Professor of Biology, Grand Valley State University, Allendale, Michigan
- 2008-present Director, Grand Valley State University Herbarium (GVSC)
- 2003-2008 Associate Professor of Biology, Hope College. Holland, Michigan.
- 2004-2011 Faculty Member – Au Sable Institute of Environmental Studies. Mancelona, Michigan (I taught Summer Field Botany and Molecular Tools for the Field Biologist).
- 1997-2008 Director, Hope College Herbarium (HCHM).
- 1997-2003 Assistant Professor of Biology. Hope College. Holland, Michigan.
- 1995-1997 Postdoctoral Research Associate. Miami University. Oxford Ohio. Examined phylogenetic relationships in Asteraceae tribe *Anthemideae* based on *ndhF* sequence and chloroplast DNA restriction site data. (Advisor: Dr. Linda Watson)
- 1994 Researcher. Smithsonian Institution. Laboratory of Molecular Systematics. Examined phylogenetic relationships in the order Zingiberales based on 18S nuclear ribosomal and *rbcL* sequences. (Host: Dr. John Kress).

- 1993-1994 Graduate Research Assistant. Botany Department, University of Wisconsin-Madison. Examined phylogenetic relationships in the family Rapateaceae based on *rbcL* and *ndhF* gene sequences. (Advisor: Dr. Thomas Givnish).
- 1991-1993 Graduate Teaching Assistant. Botany Department, University of Wisconsin-Madison. Courses taught: Introductory Botany; Flora of Wisconsin; Plant Morphology; Plant Geography.
- 1989-1991 Graduate Teaching Assistant. Botany Department, University of Wyoming. Courses taught: General Biology; Rocky Mountain Flora; Plant Anatomy.
- 1987-1989 Research Technician. Botany Department, University of Wyoming. Examined taxonomic relationships in *Tillandsia* subgenus *Anoplophytum* (Bromeliaceae) using floral anatomy. (Advisor: Dr. Gregory Brown).

HONORS AND SCHOLARSHIPS:

- 2014 Pew Teaching Excellence Award, Grand Valley State University
- 2014 Educational Support Program Professor of the Year Award, Grand Valley State University
- 2010 Interfraternal Council's Professor of the Month Award, January, Grand Valley State University
- 1993 Eldon Newcombe Teaching Award, University of Wisconsin.
- 1993 Graduate Student Fellowship, Smithsonian Institution. (Host: Dr. Robert Faden)
- 1990 Wyoming Native Plant Society Scholarship. Wyoming Native Plant Society.
- 1989 Young Botanist Recognition Award. National Science Foundation.
- 1988 Payson Scholarship recipient for Botany Department, University of Wyoming.

GRANTS AND FELLOWSHIPS:

- 2014 Grand Valley State University – Center for Scholarly and Creative Excellence – Catalyst Grant for Research and Creativity - Comparative Transcriptomics of Floral Development in *Aneilema* (Commelinaceae). (\$3,000)
- 2013 Hanes Trust - Digitization of Michigan's Regional Herbaria: A Collective Effort (\$22,526)
- 2010 Grand Valley State University - Pew Faculty Teaching and Learning Center Technology Improvement Grant - DNA Barcoding of the Ravines Plants; Bringing Systematic Botany into the 21st Century. (\$2855)
- 2009 Grand Valley State University-Student Summer Scholars - An examination of speciation, extinction, and evolutionary relationships in plants from two continents. (\$3,000)
- 2009 Grand Valley State University- Research and Development: Faculty Research Stipend - A Molecular Evolutionary Study of the African Plant Genus *Aneilema* (family Commelinaceae) and its Associated Genera. (\$5,000)

- 2009 Grand Valley State University- Faculty Research Grant in Aid - A Molecular Evolutionary Study of the African Plant Genus *Aneilema* (family Commelinaceae) and its Associated Genera. (\$2,992)
- 2009 Grand Valley State University-R&D Travel Grant: A Preliminary Phylogenetic Analysis of the Genus *Aneilema* (Comelinaceae) based on chloroplast-encoded *matK* and nuclear *rps16* sequences. (\$500.00)
- 2008 National Science Foundation Major Research Instrumentation Grant: "Acquisition of Automated Genetic Analyzer for Interdisciplinary Research, Teaching and Training in Molecular Phylogenetics, Biology, and Bioinformatics in an Undergraduate College" (\$117,080)
- 2007 Hope College-Howard Hughes Medical Institute Faculty Development Grant – Phylogenetic Relationships in the plant genus *Aneilema* (Comelinaceae) based on chloroplast and nuclear DNA sequences. (\$3600)
- 2007 Hope College-Howard Hughes Medical Institute Faculty Development Grant – The Use of Pollen from Lake Sediment Cores to Reconstruct Coastal Dune History and Ecology (with Dr. Ed Hansen and Suzanne Zimmerman; \$10,000)
- 2007 Hope College-Howard Hughes Medical Institute Faculty Development Grant – Chemical aspects of ethnobotany, course development. (with Dr. Debbie Swarthout and Dr. Kenneth brown, \$9540)
- 2005 Hope College-Howard Hughes Medical Institute Faculty Development Grant - Interdisciplinary Case Study Development-Tropical/Island Biology & Geology (with Dr. Brian Bodenbender; \$2400)
- 2002 National Science Foundation Research Grant: "Collaborative Research: Generic Relationships within subfamily Bromelioideae (Bromeliaceae)" (\$143,501)
- 2000 Hope College Faculty Development Grant - Phylogenetic relationships in *Tradescantia* based on morphological and molecular data. (\$3600)
- 1999 Pew Midstates Science and Mathematics Consortium Short Term Visitor Grant. (\$875)
- 1997 Howard Hughes Medical Institute: Faculty Startup Award. (\$25,000)
- 1995 Raper Graduate Student Research/Travel Award. University of Wisconsin.
- 1994 Visiting Research Associate. Smithsonian Institution. (Host: Dr. John Kress)
- 1994 Raper Graduate Student Research/Travel Award. University of Wisconsin.
- 1993 Graduate Student Research Grant. American Society of Plant Taxonomists.

- 1992 Short Term Visitor Program. Smithsonian Institution. Department of Botany. (Host: Dr. Robert Faden)
- 1988 Research Experiences for Undergraduates Grant. National Science Foundation. (Advisor: Dr. Gregory Brown)

PUBLICATIONS:

- Aguirre-Santoro, J., J. Betancur, G. K. Brown, **T. M. Evans**, F. Salgueiro, M. Alves-Ferreira, and T. Wendt. 2015. Is *Ronnbergia* (Bromeliaceae, Bromelioideae) a geographically disjunct genus? Evidence from morphology and chloroplast DNA sequence data. *Phytotaxa* 219: 261-275.
- Evans, T. M.**, R. S. Jabaily, A. P. G. de Faria, L. O. F. de Sousa, T. Wendt, and G. K. Brown. 2015. Phylogenetic Relationships in Bromeliaceae subfamily Bromelioideae based on chloroplast DNA sequence data. *Systematic Botany* 40: 116-128.
- Givnish, T. J., M. H. J. Barfuss, B. Van Ee, R. Riina, K. Schulte, R. Horres, P. A. Gonsiska, R. S. Jabaily, D. M. Crayn, J. A. C. Smith, K. Winter, G. K. Brown, **T. M. Evans**, B. K. Holst, H. Luther, W. Till, G. Zizka, P. E. Berry, K. J. Sytsma. 2014. Adaptive radiation, correlated and contingent evolution, and net species diversification in Bromeliaceae. *Molecular Phylogenetics and Evolution* 71: 55-78.
- McFadden, J. M., A. Salywon, **T. Evans**, M. F. Wojciechowski, P. G. Wilson, and N. Snow. 2011. Morphological and molecular evidence of polyphyly in *Rhodomyrtus* (Myrtaceae: Myrteae). *Systematic Botany* 36: 390-404.
- Givnish, T. J., M. H. J. Barfuss, B. Van Ee, R. Riina, K. Schulte, R. Horres, P. A. Gonsiska, R. S. Jabaily, D. M. Crayn, A. C. Smith, K. Winter, G. K. Brown, **T. Evans**, B. K. Holst, H. Luther, W. Till, G. Zizka, P. E. Berry, and K. J. Sytsma. 2011. Phylogeny, adaptive radiation and historical biogeography in Bromeliaceae: insights from an 8-locus plastid phylogeny. *American Journal of Botany* 98: 872-895
- Evans, T. M.** 2009. Plant Systematics in the 21st Century, Chapter 6 in: D. W. Woodland, *Contemporary Plant Systematics, Fourth Edition*. Andrews University Press, Berrien Springs, Michigan.
- Rogers, K. L., K.L. Smith, M. Calkins, and **T. M. Evans**. 2009. Inter- and Intra-specific Patterns of Genetic Variation in West Michigan Ranid Frogs: Evolutionary and Conservation Implications—A Preliminary Report. *Michigan Academician*. 39: 69-91.

- de Sousa, L. O. F., T. Wendt, G. K. Brown, D. E. Tuthill, and **T. M. Evans**. 2007. Monophyly and phylogenetic relationships in *Lymania* (Bromeliaceae: Bromelioideae) based on morphology and chloroplast DNA sequences. *Systematic Botany* 32: 264-270.
- Givnish, T. J., J. C. Pires, S. W. Graham, M. A. McPherson, L. M. Prince, T. B. Patterson, H. S. Rai, E. H. Roalson, **T. M. Evans**, W. J. Hahn, K. C. Millam, A. W. Meerow, M. Molvray, P. J. Kores, H. E. O'Brien, J. C. Hall, W. J. Kress, and K. J. Sytsma. 2006. Phylogenetic relationships of monocots based on the highly informative cpDNA gene *ndhF*: evidence for widespread concerted convergence. Pp. 28-51, In: *Proceedings for the Third International Symposium on Monocots*. Ontario, California.
- Wade, D. J., **T. M. Evans**, and R. B. Faden. 2006. Subtribal relationships in tribe Tradescantieae (Commelinaceae) based on molecular and morphological data. Pp. 520-526, In: *Proceedings for the Third International Symposium on Monocots*. Ontario, California.
- Givnish, T. J., J. C. Pires, S. W. Graham, M. A. McPherson, L. M. Prince, T. B. Patterson, H. S. Rai, E. H. Roalson, **T. M. Evans**, W. J. Hahn, K. C. Millam, A. W. Meerow, M. Molvray, P. J. Kores, H. E. O'Brien, J. C. Hall, W. J. Kress, K. J. Sytsma. 2005. Repeated evolution of net venation and fleshy fruits among monocots in shaded habitats confirms *a priori* predictions: evidence from an *ndhF* phylogeny. *Proceedings of the Royal Society London (Biology)* 272: 1481-1490.
- Givnish, T. J., K. C. Millam, **T. M. Evans**, J. C. Hall, J. C. Pires, P. E. Berry, and K. J. Sytsma. 2004. Ancient vicariance or recent long-distance dispersal? Inferences about phylogeny and South American-African disjunctions in Rapateaceae and Bromeliaceae based on *ndhF* sequence data. *Int. J. Plant Sci.* (4 Suppl.): S35-S54.
- Evans, T. M.**, Robert B. Faden, Thomas J. Givnish, and Kenneth J. Sytsma. 2003. Phylogenetic relationships in the plant family Commelinaceae. II: A cladistic analysis of *rbcL* sequences and morphology. *Systematic Botany* 28: 270-292.
- Watson, L. E., P. L. Bates, **T. M. Evans**, M. M. Unwin and J. R. Estes. 2002. Molecular phylogeny of Subtribe Artemisiinae (Asteraceae), including *Artemisia* and its allied and segregate genera. *BMC Evolutionary Biology* 2:17
- Evans, T. M.**, Robert B. Faden, Michael G. Simpson, and Kenneth J. Sytsma. 2000. Phylogenetic relationships in the plant family Commelinaceae. I: A cladistic analysis of morphological data. *Systematic Botany* 25: 668-691.
- Evans, T. M.**, R. B. Faden, and K. J. Sytsma. 2000. Homoplasy in the Commelinaceae: a comparison of different classes of morphological characters. Pp. 547-556 in *Proceedings of the Second International Conference on the Comparative Biology of the Monocots*, Sydney, September 1998, eds. K. L. Wilson and D. A. Morrison. Melbourne: CSIRO.

- Givnish, T. J., **T. M. Evans**, M. L. Zjhra, T. B. Patterson, P. E. Berry, K. J. Sytsma. 2000. Molecular evolution, adaptive radiation, and geographic diversification in the amphiatlantic family Rapateaceae: evidence from *ndhF* sequences and morphology. *Evolution* 54(6): 1915-1937.
- Watson, L. E., **T. M. Evans**, and T. Boluarte. 2000. Molecular phylogeny of tribe Anthemideae (Asteraceae), based on chloroplast gene *ndhF*. *Molecular Phylogenetics and Evolution* 15: 59-69.
- Faden, R. B. and **T. M. Evans**. 1999. Reproductive characters, habitat and phylogeny in African Commelinaceae. In Timberlake, J. & S. Kativu (eds.), *African Plants. Biodiversity, taxonomy and uses* Proceedings of the 1997 AETFAT Congress, Harare, Zimbabwe, pp. 23-38.
- Givnish, T. J., **T. M. Evans**, J. C. Pires, and K. J. Sytsma. 1999. Polyphyly and convergent morphological evolution in Commelinales and Commelinidae: evidence from *rbcL* sequence data. *Molecular Phylogenetics and Evolution* 12: 360-385.
- Daugherty, John, **T. M. Evans**, Tally Skillom, Linda E. Watson, and Nicholas P. Money. 1998. Evolution of spore release mechanisms in the Saprolegniaceae (Oomycetes): evidence from a phylogenetic analysis of Internal Transcribed Spacer sequences. *Fungal Genetics and Biology* 24: 354-363.
- Evans, T. M.** 1995. A phylogenetic analysis of the Commelinaceae based on morphological and molecular data. Ph. D. Dissertation. University of Wisconsin. Madison, Wisconsin.
- Evans, T. M.** and Gregory K. Brown. 1990. Plicate staminal filaments in *Tillandsia* subgenus *Anoplophytum*. *J. Bromel. Soc.* 40: 11-15.
- Evans, T. M.** and Gregory K. Brown. 1989. Plicate staminal filaments in *Tillandsia* subgenus *Anoplophytum*. *Amer. J. Bot.* 76: 1478-1485.
- Evans, T. M.** and Gregory K. Brown. 1989. Stomata in *Tillandsia bryoides*. *J. Bromel. Soc.* 39: 58-61.

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS:

American Society of Plant Taxonomists
 American Association for the Advancement of Science
 Sigma Xi
 Michigan Botanical Club

RECENT PRESENTATIONS AT PROFESSIONAL MEETINGS (Student authors underlined):

Brown, T. E., Martin, L. M., Evans, T., MacDonald, N., West Michigan Regional Undergraduate Science Research Conference, Van Andel Institute, Aquinas, Calvin, GVSU, and Hope, Grand Rapids, Michigan, "Using DNA Barcoding for

- Plant Identification in a Long-Term Prairie Restoration Study", Academic, Regional, Accepted. (November 17, 2012).
- Brown, T. E., Martin, L. M., Evans, T., MacDonald, N., 2012 Student Summer Scholars Showcase, Office of Undergraduate Research and Scholarship, Grand Rapids, Michigan, "Using DNA Barcoding for Plant Identification in a Long-Term Prairie Restoration Study", Academic, Local. (August 1, 2012).
- Zuiderveen, G., Evans, T., Luttenton, M., Botanical Society of America Annual Meeting, Botanical Society of America/American Society of Plant Taxonomists, Columbus, OH, "Geographic Distribution of Native and Invasive Haplotypes of *Phragmites australis* along Michigan's West Coast", Academic, International, Accepted. (July 11, 2012).
- Givnish, T., Barfuss, M., VanEe, B., Riina, R., Schulte, K., Horres, R., Gonsiska, P., Jabaily, R., Crayn, D., Smith, A., Winter, K., Brown, G. K., Evans, T., Holst, B., Luther, H., Till, W., Zizka, G., Berry, P., Sytsma, K., Botanical Society of America Annual Meeting, Botanical Society of America/American Society of Plant Taxonomists, Columbus, OH, "Adaptive radiation, correlated evolution, and determinants of net diversification rates in Bromeliaceae: test of an a priori model", Academic, International, Accepted. (July 10, 2012).
- Evans, T., Zuiderveen, G., Faden, R. B., Botanical Society of America Annual Meeting, Botanical Society of America/American Society of Plant Taxonomists, Columbus, OH, "Phylogenetic analysis of the genus *Palisota* (Commelinaceae) based on chloroplast and nuclear DNA sequences", Academic, International, Accepted. (July 10, 2012).
- Greer, G., Winther, J. L., Evans, T., Toogood, J., Annual Meeting of Luquillo Long-Term Ecological Research Station, Luquillo, LTER and University of Puerto Rico, Rio Peidras, San Juan, Puerto Rico, "Community Assembly of Lower-Trunk Epiphytes At Mid-Elevation in El Yunque National Forest.", Academic, International, Invited. (June 6, 2012).
- Evans, T., Michigan Consortium of Botanists Annual Meeting, Michigan Consortium of Botanists, Hillsdale College, "Digitizing Michigan's Small Herbaria", Academic, State, Invited. (May 14, 2012).
- Zuiderveen, G. and T. M. Evans. 2011. A Phylogenetic Analysis of the African Plant Genus *Palisota* (family Commelinaceae) Based on Chloroplast DNA Sequences. GVSU Student Scholars Day, GVSU.
- James, C. and T. M. Evans. 2011. Phylogenetic Relationships within the Neotropical Plant Genus *Lymania* (Family Bromeliaceae) based on Several DNA Regions. GVSU Student Scholars Day, GVSU.
- Evans, T. 2010. From Ancient Tropics to Modern West Michigan: What Molecular Phylogenetics Can Tell Us About Plant Evolution. West Michigan Regional

Undergraduate Science Research Conference, Van Andel Institute, Grand Rapids, Michigan.

James, C., Evans, T., Brown, G. K. 2010. Phylogenetic Relationships within the Neotropical Plant Genus *Lymania* based on several Chloroplast DNA Regions. West Michigan Regional Undergraduate Science Research Conference, Van Andel Institute, Grand Rapids, Michigan.

Zuiderveen, G., Evans, T., Faden, R. B. 2010. A Phylogenetic Analysis of the African Plant Genus *Palisota* (family Commelinaceae) based on Chloroplast DNA Sequences. West Michigan Regional Undergraduate Science Research Conference, Van Andel Institute, Grand Rapids, Michigan.

Spalink, D., C. Davis, K. Mosher, R. B. Faden, and T. M. Evans. 2009. A preliminary phylogenetic analysis of the genus *Aneilema* (Comelinaceae) based on chloroplast DNA sequences. American Society of Plant Taxonomists/Botanical Society of America Annual Meeting. Snowbird, Utah.

Spalink, D., C. Davis, K. Mosher, R. B. Faden, and T. M. Evans. 2009. A preliminary phylogenetic analysis of the genus *Aneilema* (Comelinaceae) based on chloroplast DNA sequences. Van Andel Research Institute Undergraduate Research Symposium. Van Andel Research Institute, Grand Rapids, Michigan.

Sousa, L. O. F. de, T. Wendt, G. Brown, D. Tuthill, and T. M. Evans. 2006. Monophyly and Phylogenetic Relationships in *Lymania* (Bromeliaceae: Bromelioideae) Based on Morphology and Chloroplast DNA Sequences. American Society of Plant Taxonomists/Botanical Society of America Annual Meeting. Chico, California.

Evans, T. M., G. K. Brown, T. Wendt, S. L. Kortering, and J. E. Drake. 2005. A phylogenetic analysis of Bromelioideae (Bromeliaceae) based on molecular and morphological data. International Botanical Congress, Vienna, Austria.

Evans, T. M., C. R. Hardy, R. B. Faden, R. F. Bode. 2005. A combined molecular phylogenetic analysis of Commelinaceae; evidence from *rbcL*, *ndhF*, and 26S nuclear ribosomal sequences. International Botanical Congress, Vienna, Austria.

Sousa, L. O. F. de, G. K. Brown, T. Wendt, D. E. Tuthill, and T. M. Evans. 2004. Is the genus *Lymania* (Bromeliaceae) monophyletic? Phylogenetic analyses of morphology, molecular and combined data. American Society of Plant Taxonomists/Botanical Society of America Annual Meeting. Mobile, Alabama.

Evans, T. M., G. K. Brown, T. Wendt, D. E. Tuthill. 2004. Phylogenetic relationships in Bromelioideae (Bromeliaceae) based on three chloroplast DNA regions. American Society of Plant Taxonomists/Botanical Society of America Annual Meeting. Mobile, Alabama.

Givnish, T. J., J. C. Pires, S. W. Graham, M. A. McPherson, L. M. Prince, T. B. Patterson, H. S. Rai, E. R. Roalson, T. M. Evans, W. J. Hahn, K. C. Millam, A. W. Meerow, M. Molvray, P. Kores, H. E. O'Brien, J. W. Kress, J. Hall, K. J. Sytsma. 2004. Phylogeny of the monocotyledons based on *ndhF* sequence variation: evidence for widespread concerted convergence. American Society of Plant Taxonomists/Botanical Society of America Annual Meeting. Mobile, Alabama.

Wade, D. J., T. M. Evans, and R. B. Faden. 2003. Subtribal relationships in tribe Tradescantieae (Commelinaceae) based on molecular and morphological data. Presented at the Third International Symposium on Monocots. Ontario, California.

T. M. Evans, Stephanie L. Kortering, Tania Wendt, and Gregory K. Brown. 2003. Adaptive radiation and extinction in subfamily Bromelioideae (Bromeliaceae). Presented at the Third International Symposium on Monocots. Ontario, California.

Watson, Linda E., T. M. Evans, Matthew M. Unwin, and Amy B. Kornkven. 2001. Origin and Diversification of Tribe Anthemideae (Asteraceae), based on molecular phylogenies of *ndhF* and ITS. Annual Meeting of the Botanical Society of America/American Society of Plant Taxonomists. Albuquerque, New Mexico. August 2001.

Boerema, David, T. M. Evans, and Gregory K. Brown. 2001. Phylogenetic relationships in *Oönope* (Asteraceae) based on DNA sequences from three spacer regions. Annual Meeting of the Botanical Society of America/American Society of Plant Taxonomists. Albuquerque, New Mexico. August 2001.

Evans, T. M. and R. B. Faden. 1998. Homoplasy in the Commelinaceae: a comparison of different classes of morphological characters. Monocots II International Symposium. Sydney, Australia.

Givnish, T. J., T. M. Evans, K. J. Sytsma, T. B. Patterson, and M. L. Zjhra. 1998. Molecular evolution, adaptive radiation, and the origin of the amphiatlantic distribution of the family Rapateaceae. Monocots II International Symposium. Sydney, Australia.

Givnish, T. J., T. M. Evans, and K. J. Sytsma. 1998. Polyphyly and convergent morphological evolution in Commelinales and Commelinidae: evidence from *rbcL* sequence data. Molecular Phylogenetics and Evolution.

GRADUATE STUDENT MENTORING:

Syndell Parks, M.S. Grand Valley State University (member of graduate committee)

Lindsey-Ann Schulte, M.S. Grand Valley State University (member of graduate committee)

Laurelin Martin, M.S. Grand Valley State University (member of graduate committee)

Robert Roos, M.S. Grand Valley State University (member of graduate committee)
Dylan Wade, M.S. University of Wyoming (invited member of graduate committee)
Rachel S. Jabaily, Ph.D. candidate, University of Wisconsin-Madison.
Leandro de Sousa, M.S., Universidade Federal do Rio de Janeiro, Brazil.
Ana Paula Faria, M.S., Ph.D., Universidade Federal do Rio de Janeiro, Brazil.

FIELDWORK:

USA, including: Wyoming, Colorado, South Dakota, Montana, Nebraska, New Mexico,
Texas, Arkansas, Missouri, Florida, Wisconsin, Michigan.

Brazil, including: Bahia, Rio de Janeiro, Minas Gerais

Bahamas: San Salvador Island

PROFESSIONAL SERVICE:

2013-present Associate Editor, *Systematic Botany*

2011-present Associate Editor, *Molecular Phylogenetics and Evolution*

2010-2015 Associate Editor, *Phytotaxa*

2010-present Executive Board Member, Michigan Consortium of Botanists

2010-present Trustee, Hanes Trust (Dedicated to funding study of Michigan plants)

1997-2000 Radiation Safety Officer, Hope College.

As needed: National Science Foundation Systematic Biology panel review.

Reviewer for the following journals: *American Journal of Botany*, *Kew Bulletin*, *Systematic Botany*, *Molecular Phylogenetics and Evolution*,
Taxon, *Phytotaxa*, *Phytokeys*