

CURRICULUM VITAE

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EDUCATION:

1991. Ph.D. Ecology. Rutgers University, New Brunswick, NJ. Dissertation: Chemical defense of ripe fruit: antifungal defense versus frugivore attraction in the Ericaceae. Advisor: Dr. Edmund W. Stiles.

1984. M.S. Biology. Indiana University of Pennsylvania, Indiana, PA. Thesis: The phytotoxicity of barium in leach-field disposal of gas well brines. Advisor: Dr. Jerry L. Pickering.

1981. B.S. Biology major/Chemistry minor. Indiana University of Pennsylvania, Indiana, PA.

PROFESSIONAL EXPERIENCE:

2013 – present. Steering Committee, Talladega-Mountain Longleaf Pine Conservation Partnership (chair of the Northwest Georgia Working Group).

2011 – present. Dana Professor of Biology, Berry College, Department of Biology, Mount Berry, GA. Courses taught: Field Botany, Principles of Cell Biology, Principles of Microbiology and Botany, General Microbiology, Forest Ecology, Tropical Ecology and Conservation in Cuba, Biology Seminar.

2006 – present. Director of the Berry College American Chestnut Project and undergraduate internship program (collaborative program with the Georgia Chapter of the American Chestnut Foundation; TACF Science Coordinator and Treasurer for the state of Georgia).

2002 - present. Research Collaborator: Plant Ecology Laboratory. Smithsonian Institution, Smithsonian Environmental Research Center, Edgewater, MD (collaborator on the Spicebush Project).

2001 - present. Director of the Berry College Longleaf Pine Project, Department of Biology, Mount Berry, GA.

2011. Faculty Participant: Scientific and Economic Analysis of Environmental Issues: An Institute for Teachers on Free Market Environmentalism. Costa Rica.

2011. Introduction to GIS. Berry College (Audited course).

2008 – 2011. Professor: Berry College, Department of Biology, Mount Berry, GA. Courses taught: Principles of Cell Biology, Principles of Microbiology and Botany, General Microbiology, Forest Ecology, Tropical Biodiversity and Conservation (Costa Rica), Biology Seminar.

2008. Basic Tree Climbing Technician Certificate, Tree Climber's Coalition and TreeTrek Adventures, February 2008.

2006. Introduction to ArcGIS I Certificate, Kennesaw State University, May 2006.

2000 - 2010. Research Cooperator. United States Geological Survey - Biological Resources Division, Hawaii Volcanoes National Park, HI.

2001 - 2008. Associate Professor: Berry College, Department of Biology, Mount Berry, GA. Courses taught: Biological Diversity, General Botany, Principles of Biology I and II, Principles of Cell Biology, Microbiology, Forest Ecology, Tropical Biodiversity and Conservation (Costa Rica), Biology Seminar

2003 - 2007. Project Director of the Berry College National Science Foundation Research Experiences for Undergraduates Program in Ecology and Environmental Biology.

2001 – 2004. Chair: Berry College, Department of Biology, Mount Berry, GA.

2003. Prescribed Burn Manager Certificate, Georgia Forestry Commission.

2003. Faculty Participant: Scientific and Economic Analysis of Environmental Issues: An Institute for Teachers on Free Market Environmentalism. Costa Rica.

1998 - 2001. Department Coordinator: Berry College, Department of Biology, Mount Berry, GA.

1995 - 2001. Assistant Professor: Berry College, Department of Biology, Mount Berry, GA. Courses taught: General Botany, Principles of Biology I and II, Environment and Society, Microbiology, Plant Taxonomy, Plant Ecology, Tropical Biodiversity and Conservation (Costa Rica), Biology Seminar, Freshman Seminar.

1998. Environmental Consultant, Douglas County Endangered Species Survey: Garrett Consulting, Inc., Kennesaw, GA.

1997 - 1999. Research Collaborator: Plant Ecology Laboratory. Smithsonian Institution, Smithsonian Environmental Research Center, Edgewater, MD.

1997 - 1999. Scientific Consultant: Eisenhower education grant for Drs. Stephen Bell and Mary Outlaw, Berry College, Department of Education, Mount Berry, GA.

1996. Botanical Consultant: West Rome Bypass Project Endangered Species Survey: Edwards-Pittman Environmental, Inc., Smyrna, GA.

1993 - 1995. Postdoctoral Research Associate: University of Florida, Department of Zoology, Gainesville, FL.

1994. Resource Person, Field course in Tropical Biodiversity and Conservation (Costa Rica): Organization for Tropical Studies, Durham, NC.

1991 - 1993. Smithsonian Postdoctoral Fellow: Smithsonian Institution, Smithsonian Environmental Research Center, Edgewater, MD.

1990 - 1991. Curator of Botanical Records: Willowood Arboretum, Morris County Park Commission, Morristown, NJ and Rutgers University, Department of Biological Sciences, Piscataway, NJ.

1989. Course Participant, OTS 89-3 Field course in Tropical Biology (Costa Rica): Organization for Tropical Studies, Durham, NC.

1987 - 1990. Coordinator/Lecturer, General Ecology: Rutgers University, The Summer School, New Brunswick, NJ.

1987 - 1990. Assistant to Director: Hutcheson Memorial Forest, Rutgers University, Department of Biological Sciences, Piscataway, NJ.

1984 - 1987. Teaching Assistant, General Biology: Department of Biological Sciences, Rutgers University, Piscataway, NJ.

1982 - 1983. Field Botanist: A.G. Shields Herbarium, Department of Biology, Indiana University of Pennsylvania, Indiana, PA.

1982. Botanical Consultant: Office of Campus Physical Planning, Indiana University of Pennsylvania, Indiana, PA.

1981 - 1983. Teaching Assistant, General Biology, Mycology, Cell Biology, Immunology: Department of Biology, Indiana University of Pennsylvania, Indiana, PA.

GENERAL RESEARCH INTERESTS:

Evolutionary ecology, plant secondary chemistry, plant reproductive ecology, plant-animal interactions, frugivory and seed dispersal, ecological biochemistry, ecological restoration,

physiological ecology, plant pathology, microbiology, foraging behavior, fire ecology, tropical ecology, and conservation biology.

PUBLICATIONS/MANUSCRIPTS: (undergraduate co-authors are underlined)

Research papers in preparation (data collected/manuscripts drafted):

Cipollini, M.L., J.P. Moss, W. Walker, and N. Bailey. An alternative small stem assay for blight resistance in American, Chinese, and hybrid chestnuts. Work in progress, manuscript in first draft.

Cipollini, M.L., N. Wessel, J.P. Moss, N. Bailey, and D. Nicely. Seed and seedling characteristics of hybrid chestnuts (*Castanea* spp.) derived from a backcross blight-resistance breeding program in Georgia. Manuscript in preparation for *Castanea*.

Cipollini, M.L., D. Whigham, J. O'Neill, N.R. Dingley, and P. Felch. Evaluation of primary sex ratio of seeds from a population of *Lindera benzoin* (Spicebush) showing pronounced female-biased adult sex ratios. Work in progress.

Perkins, M.T., A.C. Robinson, M.L. Cipollini, and J.H. Craddock. Identifying novel sources of resistance to *Phytophthora* root rot in backcross American-Chinese hybrid chestnuts. Manuscript being edited for submission to the Journal of the American Society for Horticultural Science.

Cipollini, M.L. and D. Whigham. Long-term responses of the understory shrub *Lindera benzoin* L. (Lauraceae) to canopy closure: implications for sex ratio variation (*in preparation for Plant Species Biology*).

Cipollini, M.L., A. Lottes, and C. Francia (and/or other possible student co-authors). Effects of restoration fuel-reduction burning on mortality and health of relict Mountain Longleaf Pines (*in preparation for Restoration Ecology or Forest Ecology and Management*).

Cipollini, M.L., L. Bohs, E. Paulk, R. Neal, and K. Boehning-Gaese. Interspecific variation in fruit chemistry and morphology in the genus *Solanum*: ecology vs. phylogeny revisited (*in preparation for Ecology*).

Banko, P., R. Neal, K. Brinck, W. Watkins, W. Brooks, M. Cipollini, and G. Breton. Intraspecific variation in quinolizidine alkaloids of mamane (*Sophora chrysophila*) seeds. (*in preparation for Journal of Chemical Ecology*).

Submitted papers:

None.

Accepted papers:

Cipollini, M.L., P. Felch, N. R. Dingley, and C. Maddox. Changes in tree canopy, understory vegetation, and fuel composition after 10 years of restoration management in an old-growth

mountain longleaf pine forest. Submitted to Forest Ecology and Management February 17, 2017 (rejected). Accepted pending minor revision in Natural Areas Journal July 24, 2018.

Peer-reviewed papers:

Cipollini, M.L., N.R. Dingley, P. Felch, and C. Maddox. 2017. Evaluation of phenotypic traits and blight-resistance in an American chestnut backcross orchard in Georgia. *Global Ecology and Conservation* 10:1–8. <http://dx.doi.org/10.1016/j.gecco.2017.01.004>

Kronenberger, J., Cipollini, M.L., T. Baldvins, A. Montgomery, and A. Simpson. 2014. Vegetative and bird community response to management in a mountain longleaf pine forest. *Natural Areas Journal* 34(1):8-23.

Cipollini, M.L., J. Culberson, D. Whigham, K. Johnson, T. Knight, and J. O’Neill. 2013. Spatial and temporal patterns of sexual dimorphism and sex ratio variation in *Lindera benzoin* L. (Lauraceae). *Journal of the Torrey Botanical Society* 140(3):280-299.

Cipollini, M.L., D. Whigham, and J. O’Neill. 2013. Seed size, sexual dimorphism, and sex ratio in *Lindera benzoin* L. (Lauraceae). *Journal of the Torrey Botanical Society* 140(3):300-312.

Coughlin, E., M. Cipollini, and S. Watkins. 2013. Chestnut’s newest enemy: Ambrosia beetles. *The Journal of The American Chestnut Foundation* 27(3):28-31. (reviewed by science cabinet)

Cipollini, M.L., Strahl, M., N. Soper Gorden, P. Tomlinson, and R. Ware. 2013. Vegetative survey of Martha’s Meadow, an open limestone habitat in northwestern Georgia. *Southeastern Naturalist* 12(2):317–338.

Cipollini, M.L., J. Culberson, C. Strippelhoff, T. Baldvins, and K. Miller. 2012. Herbaceous plants and grasses in a mountain Longleaf Pine forest undergoing restoration: a survey and comparative study. *Southeastern Naturalist* 11(4):637–668.

Hall, C. A., T. Hobby, and M. L. Cipollini. 2006. Efficacy and mechanisms of solasonine- and solamargine-induced cytolysis on two strains of *Trypanosoma cruzi*. *Journal of Chemical Ecology* 32:2405-2416.

Levey, D. J., J. Tewksbury, M. Cipollini, and T. Carlo. 2006. A field test of the directed deterrence hypothesis in two species of wild chili. *Oecologia* 150:61-68.

Spanjer, G. R., and M. L. Cipollini. 2006. Physiochemical parameters and distribution of stygobitic crayfishes. *Southeastern Naturalist* 5(1):17-26.

Walls, R., H. Appel, M. Cipollini, and J. Schultz. 2005. Fertility, root reserves and the cost of inducible defenses in the perennial plant *Solanum carolinense* L. (Horsenettle). *Journal of Chemical Ecology* 31(10):2263-2288.

Cipollini, M. L., E. Paulk, K. Mink, K. Vaughn, and T. Fischer. 2004. Defense tradeoffs in fleshy fruits: effects of resource variation on growth, reproduction, and fruit secondary chemistry in *Solanum carolinense*. *Journal of Chemical Ecology* 30 (1):1-17.

Cipollini, M. L., Paulk, E., and D. F. Cipollini. 2002. Effect of nitrogen and water treatment on leaf chemistry in Horsenettle (*Solanum carolinense*), and relationship to herbivory by flea beetles (*Epitrix* spp.) and Tobacco Hornworm (*Manduca sexta*). *Journal of Chemical Ecology* 28(12): 2371-2392.

Banko, P., M. L. Cipollini, G. Breton, E. Paulk, and M. Wink. 2002. Seed chemistry of *Sophora chrysophylla* (Mamane) in relation to the diet of the specialist seed predator *Loxioides bailleui* (Palila) in Hawaii. *Journal of Chemical Ecology* 28(7): 1393-1410.

Cipollini, M. L., Bohs, L., Mink, K., E. Paulk, and K. Boehning-Gaese. 2002. Patterns of secondary compounds within fleshy fruits: ecology and phylogeny. pp. 111-128 In Levey, D. J., W. R. Silva and M. Galetti. *Seed Dispersal and Frugivory: Ecology, Evolution and Conservation*. CABI Publishing, Wallingford, Oxfordshire, UK.

Cipollini, M. L. 2000. Secondary compounds in fleshy fruits: evidence for adaptive functions. *Revista Chilena de Historia Natural*, Special Issue: Avian physiological ecology — old questions, new systems and new approaches. 73: 243-252.

Levey, D. J. and M. L. Cipollini. 1999. Effects of plant secondary metabolites on diet choice and digestion. In: Adams, N. and R. Slotow (eds.). *Proceedings of the XXII International Ornithological Congress*, Durban. *Ostrich* 69: 2208-2220.

Wahaj, S., D. J. Levey, A. N. Sanders, and M. L. Cipollini. 1998. A test of the fruit laxative hypothesis in *Solanum americanum* fruits. *Ecology* 79: 2309-2319.

Cipollini, M. L. and D. J. Levey. 1998. Secondary metabolites as traits of ripe fleshy fruits: a response to Eriksson and Ehrlen. *American Naturalist* 152: 908-911.

Levey, D. J. and M. L. Cipollini. 1998. A glycoalkaloid in ripe fruit deters consumption by Cedar Waxwings. *The Auk* 115: 359-367.

Cipollini, M. L. and D. J. Levey. 1997. Antifungal activity of *Solanum* fruit glycoalkaloids: implications for frugivory and seed dispersal. *Ecology* 78: 799-809.

Cipollini, M. L. and D. J. Levey. 1997. Why are some fruits toxic? Glycoalkaloids in *Solanum* and fruit choice by vertebrates. *Ecology* 78: 782-798.

Cipollini, M. L. and D. J. Levey. 1997. Secondary metabolites of fleshy vertebrate-dispersed fruits: adaptive hypotheses and implications for seed dispersal. *American Naturalist* 150: 346-372.

Tamboia, T., M. L. Cipollini, and D. J. Levey. 1996. An evaluation of vertebrate seed dispersal syndromes in four species of Black Nightshade (*Solanum* Sect. *Solanum*). *Oecologia* 107: 522-532.

Levey, D. L. and M. L. Cipollini. 1996. Is most glucose absorbed passively in Northern Bobwhite? *Comparative Biochemical Physiology* 113A: 225-231.

Cipollini, M. L., D. A. Wallace-Senft, and D. F. Whigham. 1994. A model of patch dynamics, seed dispersal, and sex ratio in the dioecious shrub *Lindera benzoin* (Lauraceae). *Journal of Ecology* 82: 621-633.

Cipollini, M. L. and D. F. Whigham. 1994. Sexual dimorphism and cost of reproduction in the dioecious shrub *Lindera benzoin* (Lauraceae). *American Journal of Botany* 81: 65-75.

Cipollini, M. L., D. F. Whigham, and J. O'Neill. 1993. Population growth, structure, and seed dispersal in the understory herb *Cynoglossum virginianum*: a population and patch dynamics model. *Plant Species Biology* 8: 117-129.

Whigham, D. F., J. P. O'Neill, and M. L. Cipollini. 1993. The role of tree gaps in maintaining the population structure of a woodland herb: *Cynoglossum virginianum*. *Plant Species Biology* 8: 107-115.

Cipollini, M. L., and E. W. Stiles. 1993. Fruit rot, antifungal defense, and palatability of fleshy fruits for frugivorous birds. *Ecology* 74: 751-762.

Cipollini, M. L., and E. W. Stiles. 1993. Fungi as biotic defense agents of fleshy fruits: alternative hypotheses, predictions, and evidence. *American Naturalist* 141: 663-673.

Cipollini, M. L., B. G. Drake, and D. F. Whigham. 1993. Effects of elevated CO₂ on growth and carbon/nutrient balance in the deciduous woody shrub *Lindera benzoin*. *Oecologia* 96: 339-346

Wetterer, J. M., S. Shaferi, M. Orr, K. Lipps, G. Gilbert, M. Cipollini, and C. Blaney. 1992. On- and off-trail orientation in the leaf-cutting ant *Atta cephalotes*. *Journal of the Kansas Entomological Society* 65: 96-98.

Cipollini, M. L., and E. W. Stiles. 1992. Relative risks of microbial rot for fleshy fruits: significance with respect to fruit dispersal and selection for secondary defenses in temperate fruits. *Advances in Ecological Research* 23: 35-91.

Cipollini, M. L., and E. W. Stiles. 1992. Relative risks of fungal rot for temperate ericaceous fruits: effects of seasonal variation on selection for chemical defense. *Canadian Journal of Botany* 70: 1868-1877.

Cipollini, M. L., and E. W. Stiles. 1992. Antifungal activity of ripe ericaceous fruits: phenolic-acid interactions and palatability for dispersers. *Biochemical Systematics and Ecology* 20: 501-514.

Cipollini, M. L., and E. W. Stiles. 1991. Costs of reproduction in *Nyssa sylvatica*: sexual dimorphism in reproductive frequency and nutrient flux. *Oecologia* 86: 585-593.

Cipollini, M. L., and D. J. Levey. 1991. Why some fruits are green when they are ripe: carbon balance in fleshy fruits. *Oecologia* 88: 371-377.

Cipollini, M. L., and E. W. Stiles. 1991. Seed predation by the weevil *Acanthoscelides obtectus* on *Phaseolus* species: consequences for seed germination, early growth and reproduction. *Oikos* 60: 205-214.

Cipollini, M. L. 1991. Female-biased sex ratios in response to increased density in a bruchid seed predator: a consequence of local mate competition? *Oikos* 60: 197-204.

Cipollini, M. L., and J. L. Pickering. 1986. Determination of the phytotoxicity of barium in leach-field disposal of gas-well brines. *Plant and Soil* 92: 159-169.

PROFESSIONAL PRESENTATIONS: (undergraduate co-authors are underlined)

Cipollini, M.L., A.M. Metaxas, J. Klaus, N. Klaus, JP. Moss, W. Walker, and N. Bailey. 2018. Georgia offers unique opportunities to incorporate greater genetic diversity in *Castanea* breeding programs. TACF Annual Meeting, Huntsville, AL. October 26-27, 2018

Cipollini, M.L., JP. Moss, W. Walker, and N. Bailey. 2018. Evaluation of an alternative small stem assay for blight resistance. TACF Annual Meeting, Huntsville, AL. October 26-27, 2018.

Cipollini, M.L. 2018. Restoration of American chestnut in the southeastern United States; strategies for the development of disease resistance and conservation of genetic diversity. GA-DNR Master Naturalist Program, Canton, GA. October 19, 2018.

Cipollini, M.L. 2018. Restoration of American chestnut in the southeastern United States; strategies for the development of disease resistance and conservation of genetic diversity. Dahlenega Science Café, Dahlenega, GA. July 16, 2018.

Cipollini, M.L. 2018. GA-TACF Breeding Program Progress Report. GA-TACF Annual Meeting, Reinhardt University, Waleska, GA, May 5, 2019.

Cipollini, M.L. 2018. Restoring Mountain Longleaf Pine and American Chestnut in Georgia, Georgia Urban Forest Council Meeting, Rome, GA. April 25, 2015.

Moss, J.P., N. Bailey, N. Wessel, S. Williams, and E. Humphreys. 2018. The Berry College Central Grove Longleaf Pine Seed Orchard. Council for Student Scholarship Symposium, Berry College, Mount Berry, GA. April 10, 2018.

Williams, S., N. Bailey, J.P. Moss, and N. Wessel. 2018. Is there sexual dimorphism in *Lindera benzoin* prior to fruit production? Council for Student Scholarship Symposium, Berry College, Mount Berry, GA. April 10, 2018.

Cipollini, M.L. 2017. Insect pests of chestnuts, with emphasis on ambrosia beetles. TACF Annual Meeting, Portland, ME. October 5-7, 2017.

Cipollini, M.L., N. Wessel, J.P. Moss, N. Bailey, and D. Nicely. 2017. Seed and seedling characteristics of hybrid chestnuts (*Castanea* spp.) derived from a backcross blight-resistance breeding program in Georgia. TACF Annual Meeting, Portland, ME. October 5-7, 2017. Also presented at Council for Student Scholarship Symposium, Berry College, Mount Berry, GA. April 4, 2017.

Cipollini, M.L. and N. Wessel. 2017. Seed and seedling characteristics of hybrid chestnuts (*Castanea* spp.) derived from a backcross blight-resistance breeding program in Georgia. Ecological Society of America Annual Meeting, Portland, OR. August 9, 2017.

Cipollini, M.L. 2017. Restoration of disease resistant American chestnuts: Role of TACF state chapters and “citizen science”. Georgia Mountain Research and Education Center Community Council. Blairsville, GA, May 11, 2017.

Cipollini, M.L. 2017. GA-TACF Breeding Program Progress Report. GA-TACF Annual Meeting, University of North Georgia, Dahlonega, GA, April 29, 2017.

Cipollini, M.L. 2017. Restoration of disease resistant American chestnuts: Role of TACF state chapters and “citizen science”. Union County Master Gardeners/GA Master Naturalist Program. Blue Ridge, GA. April 12, 2017.

Cipollini, M.L. 2017. GA-TACF Breeding Program Progress Report. State TACF Chapter Meeting, Sewickley, PA. February 24-26, 2017.

Cipollini, M. L., N. R. Dingley, and P. Felch. 2016. Progress over the first ten years of The American Chestnut Foundation blight resistance breeding program in Georgia. Natural Areas Conference, Davis, CA. October 20, 2016.

Cipollini, M.L. 2016. Restoration of Mountain Longleaf Pine. University of Tennessee-Chattanooga, Chattanooga, TN. October 7, 2016.

Cipollini, M.L. 2016. Restoring the Mountain Longleaf Pine and American Chestnut. Association of Natural Resource Extension Professionals Annual Meeting and Professional Improvement Conference. Berry College, Mount Berry, GA. August 1, 2016.

Cipollini, M.L. 2016. Berry College Campus Arboretum and E.L.M. Project. Georgia Association of Natural Resource Extension Professionals Annual Meeting and Professional Improvement Conference. Berry College, Mount Berry, GA. August 2, 2016.

Cipollini, M.L. 2016. Forest restoration and community engagement: Restoration of Mountain Longleaf Pine and American Chestnut forests in Georgia. Georgia Native Plant Society – West Georgia Chapter, Carrollton, GA. June 21, 2016.

Cipollini, M.L. 2016. Decimation and Restoration of the American Chestnut. Mushroom Club of Georgia, Atlanta, GA. May 4, 2016.

Dingley, N.R., P. Felch, and M. Cipollini. 2016. Progress over the first ten years of the GA-TACF blight resistance breeding program. Council for Student Scholarship Symposium, Berry College, Mount Berry, GA. April 12, 2016.

Cipollini, M.L. 2016. Progress over the first ten years of the GA-TACF blight resistance breeding program. Annual Meeting of the Georgia Chapter of the American Chestnut Foundation, Athens, GA, April 9, 2016.

Cipollini, M.L. 2016. Restoration of disease resistant American chestnuts: Role of TACF state chapters and “citizen science”. Gilmer County Master Gardeners/GA Master Naturalist Program. Ellijay, GA. April 7, 2016.

Cipollini, M.L. 2016. Restoration of disease resistant American chestnuts: Role of TACF state chapters and “citizen science”. Northwood Garden Club. Atlanta, GA. March 22, 2016.

Cipollini, M.L. 2016. Restoration of disease resistant American chestnuts: Role of TACF state chapters and “citizen science”. Pine Mountain Chapter of the Society of American Foresters. Pine Mountain, GA. February 18, 2016.

Cipollini, M.L. 2015. Forest restoration and community engagement: Restoration of Mountain Longleaf Pine and American Chestnut forests in Georgia. Rome Federation of Garden Clubs, Rome, GA. November 2, 2015.

Cipollini, M.L., N.R. Dingley, and P. Felch. 2015. Progress over the first ten years of the GATACF blight resistance breeding program. TACF Annual Meeting 2015 with Schatz Tree Genetics Colloquium. State College, PA. October 23-24, 2015. (Cipollini presenting). Add web page link.

Cipollini, M.L., N. R. Dingley, and P. Felch. 2015. Changes in vegetative structure across the first decade of restoration management in an old growth mountain longleaf pine forest. Ecological Society of America Annual Meeting, August 9-14, 2015, Baltimore, MD (Cipollini presenting).

Cipollini, M. L. 2015. Progress over the first nine years of the GATACF blight resistance breeding program. Annual Meeting of the Georgia Chapter of the American Chestnut Foundation, Atlanta, GA, April 25, 2015.

Cipollini, M.L., N. R. Dingley, and P. Felch. 2015. Changes in vegetative structure across 10 years of restoration management in an old growth mountain longleaf pine forest. 74th Annual

Association of Southeastern Biologists Meeting, April 1-4, 2015, Chattanooga, TN (Cipollini presenting). Also presented at the Berry College Symposium on Student Scholarship, April 14, 2015, Mount Berry, GA (Dingley and Felch presenting).

Cipollini, M.L., N.R. Dingley, P. Felch, R. Ware, C. Hughes, R. Carleton, K. Richardson, and B. Erb. 2015. The Berry College Arboretum: Initial inventory and short-term plans. 74th Annual Association of Southeastern Biologists Meeting, April 1-4, 2015, Chattanooga, TN. Also presented at the Berry College Symposium on Student Scholarship, April 14, 2015, Mount Berry, GA (Dingley and Felch presenting).

Cipollini, M.L. 2014. Changes in vegetative structure across 10 years of restoration management in an old growth mountain longleaf pine forest. Kennesaw State University, Kennesaw, GA. November 13, 2014 (invited oral presentation)

Cipollini, M.L., Watkins, S., T. Kantelis, N.R. Dingley, and P. Felch 2014. The first tests of blight-resistance in backcross hybrid American chestnuts (*Castanea dentata*) in Georgia: an assessment of leaf, stem, and bud traits. The American Chestnut Foundation 2014 Annual Meeting. October 17-19, 2014. Front Royal, VA.
http://www.acf.org/pdfs/Annual%20Meeting_Fall%202014_Posters/First%20tests%20of%20blight-resistant%20hybrids%20in%20GA.pdf

Cipollini, M.L., N. R. Dingley, and P. Felch. 2014. Changes in vegetative structure across 10 years of restoration management in an old growth mountain longleaf pine forest. Natural Areas Conference. October 15-17, 2014. Dayton, OH.

Cipollini, M.L. 2014. The American Chestnut Foundation's blight resistance breeding program: Role of state chapters and "citizen science". Paul Burton Seminar Series, September 20, 2014. Western Carolina University, Cullowhee, NC. (invited oral presentation)

Cipollini, M.L. 2014. Forest restoration and student/community engagement. Bonner Summer Leadership Institute: Community-Based Learning: Pedagogies, Partners, and Practice Symposium. May 29, 2014, Berry College, Mount Berry, GA.

Watkins, S., T. Kantelis, N.R. Dingley, P. Felch, and M. Cipollini. 2014. The first tests of blight-resistance in backcross hybrid American chestnuts (*Castanea dentata*) in Georgia: an assessment of leaf, stem, and bud traits. 73rd Annual Association of Southeastern Biologists Meeting, April 2-5, 2014, Spartanburg, SC. Also presented at the Berry College Symposium on Student Scholarship, April 8, 2014, Mount Berry, GA (Watkins and Kantelis presenting), and at the GATACF Annual Meeting, Blairsville, GA, April 26, 2014 (Watkins, Kantelis, and Cipollini presenting).

Cipollini, M. L. 2014. Progress over the first eight years of the GATACF blight resistance breeding program. Annual Meeting of the Georgia Chapter of the American Chestnut Foundation, Blairsville, GA, April 26, 2014.

Cipollini, M. L. 2014. Natural forests, native trees and healthy watersheds: Restoration of Mountain Longleaf Pine and American Chestnut Forests in Georgia. Georgia Statewide Arbor Day Celebration, Rome, GA, February 18, 2014.

Cipollini, M., S. Watkins, E. Coughlin, and T. Kantelis. 2013. Monitoring and control of Ambrosia beetles in chestnut orchards. The American Chestnut Foundation's 30th Annual Meeting, Herndon, VA, October 19-20, 2013.

Cipollini, M. L. 2013. Progress over the first seven years of the GATACF blight resistance breeding program. Annual Meeting of the Georgia Chapter of the American Chestnut Foundation, Reinhardt University, Waleska, GA. May 18, 2013.

Johnson, K., M. Cipollini, D. Whigham, J. O'Neill, J. Culberson, and K. Miller. 2013. The use of image analysis in the study of sexual dimorphism in *Lindera benzoin* (spicebush). Berry College Symposium on Student Scholarship, April 16, 2013.

Coughlin, E., S. Watkins, and M.L. Cipollini. 2012. Trapping and monitoring ambrosia beetles in a Georgia chestnut backcross orchard. The American Chestnut Foundation's 29th Annual Meeting, Asheville, NC, October 19-21.

Cipollini, M. L. 2012. The Berry College Longleaf Pine Project: Lessons for Marshall Forest. Emma Lewis Lipps Ecology Lecture. Shorter University, April 11, 2012.

Coughlin, E., S. Watkins, and M. Cipollini. 2012. Trapping and monitoring ambrosia beetles for the implementation of integrated pest management in Georgia chestnut orchards. 72nd Annual Association of Southeastern Biologists Meeting, April 3-8, 2012, Athens, GA. Also presented at the Berry College Symposium on Student Scholarship, April 11, 2012, Mount Berry, GA (Coughlin and Watkins presenting), at the TACF Southern Regional Meeting, April 14, 2012, Morrison, TN (Cipollini, presenting) and at the GATACF Annual Meeting, Berry College, Mount Berry, GA, April 21, 2012 (Coughlin and Watkins presenting).

Cipollini, M. L. 2012. Progress over the first six years of the GATACF blight resistance breeding program. Annual Meeting of the Georgia Chapter of the American Chestnut Foundation, Berry College, Mount Berry, GA. April 21, 2012.

Bannister, C.B., and M. Cipollini. 2012. Swan Lake as a possible source of human pathogens. Berry College Symposium on Student Scholarship, April 11, 2012, Mount Berry, GA (Bannister presenting)

Montgomery, A., M. Cipollini, and S. Barrow. 2012. Survey of ravine-dwelling herpetofauna in Mountain Longleaf Pine ecosystem. Berry College Symposium on Student Scholarship, April 11, 2012, Mount Berry, GA (Montgomery presenting)

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Cipollini, M. L. 2012. To B3F3 or not to B3F3? That is the question... The Georgia Sprout (Newsletter of the Georgia Chapter of the American Chestnut Foundation) 9(1):3 (news article).

Cipollini, M. L. 2012. Chestnut plantings in Spring 2012. The Georgia Sprout (Newsletter of the Georgia Chapter of the American Chestnut Foundation) 9(1):7 (news article).

Cipollini, M. L. 2011. Breeding for *Phytophthora* root rot resistance in American chestnut. The Georgia Sprout (Newsletter of the Georgia Chapter of the American Chestnut Foundation) 8(2):6 (news article).

Cipollini, M. L. (writer/project director) 2008. Forest Health in Northwest Georgia and Mountain Longleaf Pine. Produced in conjunction with the Georgia Forestry Commission and U.S. Forest Service. (educational brochure).

Cipollini, M. L. (writer/project director) and A. Potts* (associate producer/production assistant). 2007. Promoting healthy forests in NW Georgia: Management practices, ecological restoration, and Mountain Longleaf Pine. Produced in conjunction with Dan Sperling Video, Georgia Forestry Commission and U.S. Forest Service. July 2007. (DVD, web podcast, video PSA, and audio PSA).

Cipollini, M. L. 2007. GATACF's First "Official" Georgia Chestnut Orchard is Planted! The Georgia Sprout (Newsletter of the Georgia Chapter of the American Chestnut Foundation) 4(1):1 (news article).

Cipollini, M. L. 2007. Chestnut Seed Planting at Berry College. The Georgia Sprout (Newsletter of the Georgia Chapter of the American Chestnut Foundation) 4(1):5. (news article).

Cipollini, M. L. (editor). 2006. Proceedings of the Second Montane Longleaf Conference Workshop. Berry College, Mount Berry, GA. November 18-19, 2005. Longleaf Alliance Report No. 9 (conference proceedings).

Cipollini, M. 2006. The Berry College Longleaf Pine Project: Progress over the first three years. Proceedings of the 2nd Mountain Longleaf Conference, Mount Berry, GA. November 18-19, 2005. Longleaf Alliance Report 9:9-12. (not peer-reviewed)

Knight, T., M. Cipollini and C. Worrell. 2006. Dendrochronological investigations of longleaf pine on Lavendar Mountain. Proceedings of the 2nd Mountain Longleaf Conference, Mount Berry, GA. November 18-19, 2005. Longleaf Alliance Report 9:18-24. (not peer-reviewed)

Currie, K., J. M. Varner, J. Kush, and M. Cipollini. 2006. A survey of the herbaceous vegetation found in the Berry Longleaf Pine Management Area. Proceedings of the 2nd Mountain Longleaf Conference, Mount Berry, GA. November 18-19, 2005. Longleaf Alliance Report 9:35-39. (not peer-reviewed)

Huber, A., A. Gaskell, C. Worrell, and M. Cipollini. 2006. Estimation of carbon storage in a Mountain Longleaf ecosystem in northwestern Georgia. Proceedings of the 2nd Mountain Longleaf Conference, Mount Berry, GA. November 18-19, 2005. Longleaf Alliance Report 9:44-48. (not peer-reviewed)

Cipollini, M., Gaskell, A., and C. Worrell. 2005. Use of herbicides and prescribed burning to control hardwoods in the regeneration and restoration of Mountain Longleaf Pine habitats. Longleaf Alliance Report 8:9-13. (not peer-reviewed)

Cipollini, M. L. 2004. The Berry College Longleaf Pine Project. Restoration project feature. The Southern Restorationist (Newsletter of the Coastal Plain Chapter of Society for Ecological Restoration) 4(1): 3-4 (news article).

Cipollini, M. L. 2004. The Berry College Longleaf Pine Project: a management update. Proceedings of the First Mountain Longleaf Alliance Conference. Longleaf Alliance Report 7: 43-50. (not peer-reviewed)

Cipollini, M. L., C. R. Faulkner, and J. G. Goss. 2003. The Berry Longleaf Management Plan: status of Mountain Longleaf Pine (*Pinus palustris*) on campus and current management plan. Proceedings of the Fourth Longleaf Alliance Regional Conference. Longleaf Alliance Report 6: 25-28. (not peer-reviewed)

Karen Vaughn, Eduardo Aguilar-Espinoza, Sofia Arce-Flores, Corey Babb, Lisa Barnes, Melanie Barnett, Rebecca Bennett, Brooke Bowen, Rex Bowman, Amy Brown, Ian Cipollini, Chris Clary, Janine Douglass, Kevin Eifell, Jason Farmer, Sally Hileman, Walter Hutchins, Alison Hydeman, Jeremy Jones, John Jones, Stacy Lindsey, Carrie Manous, Lauren Marziliano, Kimberly Mink, Diane Mitchell, Meghan Nolan, Pennsylvania Olinda, Paul Pugliese, Kristen Palmer, Sonya Payne, Susan Roth, Anna Sanders, Stephanie Wallace, Sarah Williams, Shelby West, Kerri Wrinn, and Martin Cipollini (project coordinator). 2002. The Berry College Longleaf Management Plan: A proposal for the study and management of Mountain Longleaf Pine on Lavender Mountain. Accepted September 26, 2002 by the Educational Land Management Presidential Task Force and Dr. Scott Colley, President, Berry College, Mount Berry, GA (land management plan).

Cipollini, M. L. and E. Paulk. 1999. An assessment of Biorinse for the reduction of *Salmonella* on post-chill poultry products. American Food Safety Products, Inc., c/o Mr. Don Westall, Lab Depot, Inc., 3510 Trotter Drive, Alpharetta, GA 30004 and Mr. Frank Beadle, Equitech, Inc., 1392 La Vista Rd., Atlanta, GA 30324. April 30, 1999 (technical report).

Cipollini, M. L. and K. R. Collins. 1998. An assessment of Biorinse as a post-chill treatment to reduce pathogenic bacterial loads of poultry products. American Food Safety Products, Inc. September 11, 1998 (technical report).

Cipollini, M. L. 1992. Hey girls, where are all the guys? A report on female-biased sex ratios in a foxy spicebush population. On the Rhoads 2: 2-3 (news article).

Cipollini, M. L. 1992. Microbes, plants, and herbivores. *BioScience*, January 1992 (invited book review).

Cipollini, M. L. 1991. The Willowood Arboretum Botanical Records Program. Morris County Park Commission, April 1991 (computer program and procedure manual).

AWARDS:

2012. The American Chestnut Foundation Volunteer Service Award – 2012 State of Georgia.

2011. Dana Professor of Biology, Berry College, Mount Berry, GA.

2008. Martindale Faculty Award of Distinction, Berry College, Mount Berry, GA.

2005. Inducted into the Honor Society of Phi Kappa Phi.

2004. Inducted into Sigma Xi, The Scientific Research Society.

1990-1993. Smithsonian Post-Doctoral Fellowship, The Smithsonian Institution, Washington, D.C. Sexual dimorphism and cost of reproduction in the dioecious shrub *Lindera benzoin*.

1989. Organization for Tropical Studies Fellowship. The Graduate School, Rutgers University, New Brunswick, New Jersey.

1986-1988. Hutcheson Memorial Forest Fellowships. Department of Biological Sciences, Rutgers University, Piscataway, New Jersey.

1984-1985. Graduate Merit Scholarships. Rutgers University, New Brunswick, New Jersey.

1984. Award for Most Outstanding Graduate Student Research. Sigma Xi Club, Indiana University of Pennsylvania, Indiana, Pennsylvania.

1980. Inducted into Chi Beta Phi National Honorary Science Fraternity, Indiana University of Pennsylvania Chapter, Indiana, Pennsylvania.

RESEARCH GRANTS and PROPOSALS:

In preparation:

USDA Forest Service – Chattahoochee-Oconee National Forest/Southern Company/Georgia Power. 2016. American chestnut orchard projects in Georgia. Co-PI Ryan McNeill (UGA) and/or Tom Saielli (TACF). In preparation.

Submitted:

Funded (not counting Berry College School of Mathematics and Natural Sciences Travel Grants to present papers at conferences):

Lumpkin Coalition. American chestnut orchard projects in Georgia. Co-PI Ryan McNeill (UGA) and/or Tom Saielli (TACF). Version submitted to Lumpkin Coalition on behalf of the Georgia Chapter of the American Chestnut Foundation (not submitted through Berry College) \$25,000 awarded to GA-TACF in 2017 and \$15,000 in 2018.

The Nature Conservancy. 2016. Mountain Longleaf Pine Seedling-based Seed Orchard Project (aka Central Grove Longleaf Pine Seedling-based Seed Orchard); \$20,000. 2 year period starting October 15, 2016 and ending December 1, 2018.

National Fish and Wildlife Foundation Longleaf Stewardship Fund. 2014. \$280,000 to The Nature Conservancy (K. Tassin, PI) to support the Talladega-Mountain Longleaf Pine Conservation Partnership (\$344,040 in matching contributions provided by The Nature Conservancy). Project Partner (assisted with grant writing and will assist as a project administrator). 3 yr. period starting July 22, 2014. \$5000 to Berry College.

Faculty Professional Development Grant, Berry College. 2014. Tree Seedling Projects: American Chestnut and Spicebush. \$1,250.

Laura Maddox Smith Summer Research Institute for the Environmental Sciences. 2013. The first blight-resistance tests in American chestnut orchards in Georgia. (Martin Cipollini, Samuel Watkins, and Theron Kantelis). \$5,500

Development of Undergraduate Research Grant. School of Mathematical and Natural Sciences and the Berry College Chapter of Sigma Xi, Berry College. 2012. Trapping and monitoring Ambrosia beetles for the implementation of integrated pest management in Georgia Chestnut orchards. (Martin Cipollini, Erin Coughlin, and Samuel Watkins). \$355.

Georgia Chapter of the American Chestnut Foundation. 2010. Proposal for an American chestnut backcross orchard to be established in cooperation with Berry College and the Henry Family (Armuchee, GA). (Martin Cipollini and Erin Coughlin). \$39,801.

Provost's Office, Berry College. 2009. Proposal to obtain rugged laptops for general field use in the Biology Department. \$4450.

Faculty Professional Development Grant, Berry College. 2009. Prescribed burns in the Berry College Longleaf Pine Management Area. \$660.

Georgia Chapter of the American Chestnut Foundation. 2008. A grant proposal for a water tap and drip irrigation system for the Berry College American Chestnut backcross orchard. \$5416.

Faculty Professional Development Grant, Berry College. 2008. A water tap for a drip irrigation system for the Berry College American Chestnut Backcross Orchard. \$2000.

Faculty Professional Development Grant, Berry College. 2007. The Establishment of a seedling-based Longleaf pine seed orchard on the Berry College campus. \$2000.

Georgia Forestry Commission Southern Pine Beetle Prevention Program. 2006. Forest Health and Public Education and Outreach: Use of the Longleaf Pine in Restoring Healthy Forests to Northwest Georgia. \$15,000.

Georgia Chapter of the American Chestnut Foundation. 2006. Berry College American Chestnut Backcross Orchard. \$35,885.

Development of Undergraduate Research Grant, School of Mathematical and Natural Sciences and the Berry College Chapter of Sigma Xi, Berry College. 2006. The Evaluation of Graft Success Rate in the Berry College Mountain Longleaf Seed Orchard. \$1000.

National Fish and Wildlife Foundation – Southern Company Longleaf Legacy Grant. 2005. Berry College (GA) Longleaf Pine Project. \$41,564 (plus \$145,995 matching funds).

Faculty Professional Development Grant, Berry College. 2004. An analysis of sex-ratio variation in spicebush (*Lindera benzoin*) using matrix demographic modeling. \$2000.

National Science Foundation Research Experiences for Undergraduates Sites Grant. 2004. REU Site: An Integrative Faculty/Student Research Program in Biology at Berry College. \$166,244 (Co-PI Patricia Tomlinson).

Georgia DNR Watchable Wildlife and Education Project Grant. 2003. Berry College Longleaf Management Project Interpretive Trails. \$5000.

Faculty Development Grant, Berry College. 2003. The Berry College Longleaf Management Plan. \$2000.

Development of Undergraduate Research Grant, School of Mathematical and Natural Sciences, Berry College. 2002. The Berry College Longleaf Management Plan. \$1000.

Development of Undergraduate Research Grant, School of Mathematical and Natural Sciences, Berry College. 2001. Secondary metabolites of fleshy fruits: ecology vs. phylogeny in the genus *Solanum*. \$1426.

Development of Undergraduate Research Grant, School of Mathematical and Natural Sciences, Berry College. 2001. Secondary metabolites of fleshy fruits: ecology vs. phylogeny in the genus *Solanum*. \$1500.

Faculty Development Grant, Berry College. 2000. Effect of nitrogen and water treatment on leaf chemistry in Horsenettle *Solanum carolinense*, and relationship to herbivory by flea beetles (*Epitrix* spp.) and Tobacco Hornworm (*Manduca sexta*). \$2500.

Faculty Development Grant, Berry College. 1999. Inter- and intra-specific variation in fruit chemistry of *Solanum* species. \$1500.

Summer Research Program in Environmental Sciences, School of Mathematical and Natural Sciences, Berry College. 1999. Secondary metabolites of fleshy fruits: ecology vs. phylogeny in the genus *Solanum*. \$5200.

International Travel Grant, School of Mathematical and Natural Sciences, Berry College. 1999. To collect *Solanum* fruit samples in Monterrey, Mexico and Guanacaste, Costa Rica in October, 1999. \$2500.

Development of Undergraduate Research Grant, School of Mathematical and Natural Sciences, Berry College. 1999. Secondary metabolites of fleshy fruits: ecology vs. phylogeny in the genus *Solanum*. \$1293.

American Food Safety Products., Alpharetta, GA. 1999. An assessment of “BioRinse” as a post-chill treatment to reduce *Salmonella* on poultry. \$11165.

American Food Safety Products., Alpharetta, GA. 1998. An assessment of “BioRinse” as a post-chill treatment to reduce pathogenic bacterial loads of food products. \$9891.

Development of Undergraduate Research Grant, School of Mathematical and Natural Sciences, Berry College. 1998. For a study on the effect of nitrogen on fruit number and fruit chemistry in *Solanum carolinense*. \$700.

Lettie Pate Evans Multimedia Instruction Grant, Berry College. 1997. Development and incorporation of instructional technology into the General Botany course. \$1170.

Development of Undergraduate Research Grant, School of Mathematical and Natural Sciences, Berry College. 1997. Development of HPLC and LC techniques for *Solanum* glycoalkaloids. Berry College, Mt. Berry, GA. \$647.

Academic Research Infrastructure Grant, National Science Foundation. 1996. Glycoalkaloids of *Solanum* fruits: intraspecific patterns and effects upon consumers. \$51194.

Research Experiences for Undergraduates Supplemental Grant, National Science Foundation. 1996. The role of *Solanum* fruit pulp glycoalkaloids in influencing gut retention times and viability of seeds consumed by birds and mammals. \$5000 (Co-PI with Douglas J. Levey, University of Florida).

Faculty Development Grant, Berry College. 1996. \$620.

Faculty Development Grant, Berry College. 1996. \$390.

Faculty Development Grant, Berry College. 1995. \$450.

Research Experiences for Undergraduates Supplemental Grant, National Science Foundation. 1994. Dispersal syndromes in the Solanaceae. \$3500 (Co-PI with Douglas J. Levey, University of Florida).

Academic Research Grant, National Science Foundation. 1992. Glycoalkaloids of Solanaceous fruits: relative effects on seed dispersing and non-seed-dispersing organisms. \$174428 (Co-PI with Douglas J. Levey, University of Florida).

Research and Exploration Grant, National Geographic Society. 1992. Reproductive ecology of an annual neotropical legume, *Sesbania emerus*. \$850.

Pilot Research Award, Organization for Tropical Studies. 1991. Seed size variation and the establishment of fitness hierarchies in an annual neotropical legume, *Sesbania emerus*. \$1930.

Dissertation Travel/Improvement Grants, The Graduate School, Rutgers University. 1988. Chemical defense of ripe fruit: antifungal defense vs. frugivore attraction in the Blueberry Family (Ericaceae). \$773.

Steinetz-Leathem Awards. Department of Biological Sciences, Rutgers University. 1985. Chemical defense of ripe fruit: antifungal defense vs. frugivore attraction in the Blueberry Family (Ericaceae). \$2870.

Grant-in-Aid of Research. Sigma Xi The Scientific Research Society. 1987. Sexual dimorphism and cost of reproduction in the dioecious tree *Nyssa sylvatica*. \$400.

Sigma Xi Matching Grant. Bureau of Biological Research, Rutgers University. 1987. Sexual dimorphism and cost of reproduction in the dioecious tree *Nyssa sylvatica*. \$323.

Rejected:

The American Chestnut Foundation. 2016. Evaluating the potential of an American Chestnut hybrid for combatting staphylococcal disease. Co-PI with Cassandra Quave (Emory University) \$10,000 (one year period starting November 2016).

National Fish and Wildlife Foundation Longleaf Stewardship Fund. 2016. The Nature Conservancy (K. Owens, PI) to support the Talladega-Mountain Longleaf Pine Conservation Partnership. Project Sub-recipient (assisted with grant writing and will supervise the Mountain Longleaf Pine Seedling Based Seed Orchard Project; \$48,989 to Berry College) Project cut from grant budget.

International Program Summer Course Development Grant (for BIO383/BIO480 with Christopher Hall). Berry College. Submitted February 2009.

Summer Course Development Grant (to add labs to BIO111). Berry College. February 2007.

Georgia DNR Watchable Wildlife and Education Project Grant. Berry College Longleaf Management Project Interpretive Trails: Improvement and Wheelchair Accessible Extension. \$5000. Submitted 2006.

American Forests Global Relief Forests Grant. The Berry College Longleaf Management Plan. \$237882. Submitted December 2002.

Georgia Botanical Society Grant. The Berry College Longleaf Management Plan. \$1500. Submitted November 2002.

BP Conservation Programme Grant. The Berry College Longleaf Management Plan. \$70544. Submitted November 2002.

Academic Research Grant, National Science Foundation. Secondary metabolites of fleshy vertebrate-dispersed fruits: phylogeny vs. ecology in the genus *Solanum*. \$183440 (Co-PI, Lynn Bohs). Submitted June 2000.

Academic Research Grant, National Science Foundation. Secondary metabolites of fleshy vertebrate-dispersed fruits: phylogeny vs. ecology in the genus *Solanum*. \$138165 (Co-PI, Lynn Bohs). Submitted December 1998.

Academic Research Grant, U.S./Israel Binational Science Foundation, Israel. Secondary metabolites as mediators of fruit-frugivore interactions. \$210075 (Co-PI with Ido Izhaki and Daniel Afik, University of Haifa, and Douglas J. Levey, University of Florida). Submitted December 1998.

PROFESSIONAL ORGANIZATIONS (* denotes current membership):

American Association for the Advancement of Science (AAAS)*

American Institute of Biological Sciences (AIBS)

Association of Southeastern Biologists (ASB)*

Nominated for Secretary: 1997

Annual Meeting Session Chair/Student Award Judge: 1997

Annual Meeting Odum Student Award Judge: 2006

Brewers Association (BA)

Ecological Society of America (ESA)*

Annual Meeting Session Chair: 1993

SEEDS (Strategies for Ecology Education, Development and Sustainability)

Student Mentor: 2006

Georgia Academy of Science (GAS)

Georgia Botanical Society (GBS)

Georgia Prescribed Fire Council (GA-PFC)

Steering Committee Member, 2007 – 2009.

Longleaf Alliance (LLA)*

Organizer and Field Trip Coordinator for 2nd Mountain Longleaf Conference: 2005

Editor of Proceedings for 2nd Mountain Longleaf Conference: 2006

Organizer for 3rd Mountain Longleaf Conference: 2007
Natural Areas Association (NAA)*
Organization for Tropical Studies (OTS)*
Phi Kappa Phi*
Sigma Xi*
Talladega-Mountain Longleaf Pine Conservation Partnership (TMLPCP)*
Chair of the Northwest Georgia Working Group.
The Georgia Chapter of the American Chestnut Foundation (GA-TACF)*
Volunteer in Pollination, Seed Harvesting, and Seed Orchard Work: 2005-present
Board Member: 2006-present
Scientific Coordinator/Data Manager: 2006-present
Director of the Berry College Backcross Orchard: 2006-present
Director of the Henry-Berry College Backcross Orchard: 2010-present.
Supervisor of the Berry College GA-TACF Interns: 2006-present
Annual meeting organizer: 2009 and 2012.
Treasurer: 2016 – present.

REVIEWER OF MANUSCRIPTS, CURRICULUM VITAE, RESEARCH and GRANTS FOR: Green denotes academic year July 2017-June 2018.

Acta Oecologia, American Journal of Botany, American Midland Naturalist, American Naturalist, Annals of Botany, Arquipelago, Auk, Australian Journal of Zoology, Biological Conservation, Biotropica, Birmingham-Southern University (promotion application), Botany, Botany NRCC, CABI, Inc., Conservation Biology, Current Biology, Ecography, Ecology, Ecology Letters, Ecological Entomology, EcoScience, Enslow Publishers, Frugivores and Seed Dispersers, Forest Ecology and Management, Functional Ecology, Georgia Department of Natural Resources, International Journal of Biological Chemistry, International Journal of Plant Science, Israel Science Foundation, Journal of Avian Biology, Journal of Chemical Ecology, Journal of Ecology, Journal of Ornithology, Journal of the Torrey Botanical Society, Journal of Vegetation Science, National Science Foundation, Nature, New Phytologist, Northeastern Naturalist, Oikos, Oecologia, Plant Ecology, Plant Species Biology, PloS One, Population Ecology, Restoration Ecology, Trinity University (tenure application), University of Georgia (PhD candidate), University of Georgia Press (Leslie Edwards), USDA Forest Service, U.S./Israel Binational Science Foundation.

INVITED PUBLIC PRESENTATIONS, WORKSHOPS, and FIELD TOURS:

2018. Seven Hills Garden Club, Rome, GA. November 14, 2018 (invited public presentation)

2018. GA-DNR Master Naturalist Program, Waleska, GA October 19, 2018. (invited field tour and workshop)

2018. Dahlongega Science Café. July 16, 2018 (invited public presentation).

2018. Rome News Tribune interview with Doug Walker. Berry-led research on blight-resistant chestnut trees being developed in orchard between Rome and Summerville. Published May 30, 2018.

2018. Rome Eco Center, Rome, GA. May 10, 2018 (invited public presentation).

2018. On-camera interview for video project for Smithgall Woods nature trail, GA-DNR. Spring 2018.

2018. Georgia Chapter of the American Chestnut Foundation Annual Meeting, May 5, 2018 (invited public presentation and field tour).

2018. Douglas County Master Gardeners, Douglasville, GA. May 3, 2018 (invited public presentation).

2018. Georgia Urban Forest Council, Rome, GA. April 25, 2018 (invited professional presentation).

2018. Floyd County Master Gardeners, Rome, GA. February 20, 2018 (invited public presentation).

2018. Talladega Mountain Longleaf Pine Conservation Partnership, Mountain Longleaf Strategic Planning Workshop, Oxford, AL, January 9, 2018. (invited workshop participant).

2017. Rome News Tribune interview with Doug Walker. Long live the longleaf. Published August 3, 2017.

2017. America's Longleaf Restoration Initiative Longleaf Implementation Team Summit/The Nature Conservancy Longleaf Pine Whole System 2nd Annual All Hands Meeting. Berry College, Mount Berry, GA. August 1-4, 2017. (local organizer, welcome address, workshop participant, field tour organizer and leader)

2017. Celebrating the American Chestnut at The Carter Center. Atlanta, GA. July 19, 2017 (introductory speech).

2017. Jimmy O'Neill's Northeast Georgia Living Saturday Morning Show on WRWH, Cleveland, GA. June 17, 2017 (radio interview).

2017. Georgia Mountain Research and Education Center, Blairsville, GA. Invited by the Community Council. May 10, 2017. (oral presentation and field site visit).

2017. The Georgia Chapter of the American Chestnut Foundation. Field tour of Smithgall Woods Chestnut Orchard, Helen, GA. April 29, 2017 (field tour)

2017. Georgia Master Naturalist Program, Blue-Ridge, GA. March 29, 2017 (oral presentation and field tour).

2016. Atlanta Journal Constitution interview with Charles Seabrook. Published November 19, 2016.

2016. Rome News Tribune interview with Doug Walker. Published November 19, 2016.

2016. Georgia Forest Watch. Fort Mountain State Park, Chatsworth, GA.. November 12, 2016 (field tour).

2016. The Georgia Chapter of the American Chestnut Foundation. Hemlockfest, Dahlonega, GA. November 4-6, 2016 (educational display presentation).

2016. University of Tennessee-Chattanooga, Chattanooga, TN (oral presentation).

2016. Berry College Longleaf Pine Trail and American Chestnut Orchard Tour and Longleaf Pine/Lavender Mtn. Trail Hike. ANREP Conference, Berry College, Mount Berry, GA. August 1, 2016 (field tour).

2016. Outdoor education program, Anna Ruby Falls, USDA Forest Service, Cradle of Forestry, Helen, GA. June 25, 2016 (invited educational display presentation and field tour)

2016. Georgia Native Plant Society – West Georgia Chapter, Carrollton, GA. June 21, 2016 (invited oral presentation).

2016. Mushroom Club of Georgia. Decatur, GA. May 4, 2016 (invited oral presentation).

2016. Berry College Arboretum Inaugural Event, April 29, 2016 (oral presentation and field tour)

2016. Gilmer County Master Gardeners/Georgia Master Naturalist Program. Ellijay, GA. April 7, 2016 (workshop and field tour).

2016. Sierra Club of Cobb County. Mount Berry, GA. March 26, 2016 (field tour)

2016. Northwood Garden Club. Atlanta, GA. March 22, 2016 (oral presentation).

2016. McCoy Inaugural Lecture Event. Berry College, Mount Berry, GA. Feb. 23, 2016 (field tour and interviews).

2016. Pine Mountain Chapter of the Society of American Foresters. Pine Mountain, GA. February 18, 2016 (field tour and oral presentation)

2016. McCoy Lecture Inaugural Promotional Event, Berry College, Mount Berry, GA. Feb. 13, 2016 (field tour).

2016. GPB/NPR interview with Celeste Headlee for “On Second Thought” live radio broadcast (with the Rolling Stones’ Chuck Leavell). January 6, 2016.

2015. WABE/NPR interview with Molly Samuels for news story aired December 21, 2015.

2015. The Georgia Chapter of the American Chestnut Foundation. Hemlockfest, Dahlonega, GA. November 6-8, 2015 (educational display presentation).

2015. Americorps Training Session, Georgia Department of Natural Resources, Smithgall Woods State Park, Helen, GA. August 17, 2015 (oral presentation and field workshop leader).

2014. Kennesaw State University, Kennesaw, GA. November 13, 2014 (oral presentation)

2014. Western North Carolina University, Cullowhee, NC. September 19, 2014 (oral presentation)

2014. College Canopy Conference. Georgia Urban Forest Council. Berry College, Mount Berry, GA. September 17, 2014 (field tour)

2014. Bonner Summer Leadership Institute: Community-Based Learning: Pedagogies, Partners, and Practice Symposium. May 29, 2014, Berry College, Mount Berry, GA (oral presentation and discussion)

2014. Georgia Statewide Arbor Day Ceremony, February 18, 2014, Rome, GA (oral presentation)

2013. The American Chestnut Foundation’s 30th Annual Meeting, Herndon, VA. (oral presentation and workshop leader)

2013. Talladega-Mountain Longleaf Pine Conservation Partnership/NW Georgia Working Group (oral presentation, workshop participant, meeting organizer).

2013. Appalachian Mountains Joint Venture meeting, Mansfield, GA (oral presentation and workshop participant).

2013. Coastal America (EPA) meeting, Atlanta, GA (workshop and field tour participant)

2013. Talladega-Mountain Longleaf Pine Conservation Partnership meeting, Heflin, AL (workshop participant)

2013. Georgia State Natural Communities course field tour. Berry College, Mount Berry, GA (field tour).

2013. Armuchee Ridges Thinning and Restoration Project, Chattahoochee National Forest, Annual Program of Work Meeting (workshop and field tour participant).

2013. Annual Meeting of the Georgia Chapter of the American Chestnut Foundation, Reinhardt College, Waleska, GA (oral and poster presentations).

2013. Southern Regional Meeting of the American Chestnut Foundation, Morrison, TN (workshop).

2013. Chattowah Open Land Trust/Georgia Land Trust/Alabama Land Trust Board and Friends of Berry College. Berry College, Mount Berry, GA (field tour).

2013. Atlanta Conservation Group. Berry College, Mount Berry, GA (field tour)

2013. Talladega/Mountain Longleaf Pine Conservation Partnership. Heflin, AL (workshop).

2013. Carbon Canopy Workshop. Forest Carbon Markets and Carbon Sequestration on the Domain, The University of the South, Sewanee, TN (workshop)

2013. City of Rome, Downtown Development Authority, Rome, GA (oral presentation)

2012. Reviewer and panelist for the National Science Foundation, Population Ecology, Division of Environmental Biology, Washington, D.C. (grant review panel)

2012. United States Department of Environmental Protection, Coastal Wetlands Restoration Group, Mount Berry, GA (field tour).

2012. United States Forest Service, Southern Research Station, Logleaf Pine Research Group, Technical Assistance Visit. Atlanta, GA (workshop).

2012. Dr. Lawrence MacAllister (Dr. Mac) Naming Kickoff Campaign, Mount Berry, GA (oral presentation).

2012. Annual Meeting of the Georgia Chapter of the American Chestnut Foundation, Mount Berry, GA (oral presentation, meeting host).

2012. Southern Regional Meeting of the American Chestnut Foundation, Morrison, TN (oral presentation, workshop).

2012. Rabun Gap Nacoochee School, Rabun Gap, GA (oral presentation).

2012. Shorter College, Emma Lewis Lipps Ecology Lecture. Rome, GA (oral presentation).

2012. Georgia Native Plant Society Plant Symposium, Marietta, GA (oral presentation).

2011. 4th Montane Logleaf Conference, Cheaha State Park, AL (oral presentation).

2011: Scientific and Economic Analysis of Environmental Issues: An Institute for Teachers on Free Market Environmentalism, Costa Rica (oral presentations and field tours).

2011. The American Chestnut Foundation Phytophthora Breeding Workshop, Chattanooga, TN (workshop).

2011. The American Chestnut Foundation Restoration Branch Event, Rome, GA (oral presentation).

2011. State Master Gardener's Association, Rome, GA (presentation).

2011. The American Chestnut Foundation Restoration Program Workshop, Morristown, TN (workshop).

2010. Cave Spring Historical Society, Cave Spring, GA (oral presentation).

2010. Annual Meeting of the Georgia Chapter of the American Chestnut Foundation, Athens, GA (oral presentation)

2010. Coosa River Basin Initiative, Waterfest, Rome, GA (poster presentation).

2009. City of Rome Visitors and Conventions Bureau, Rome, GA (field tour).

2009. Annual Meeting of the Georgia Chapter of the American Chestnut Foundation, Mount Berry, GA (oral presentation).

2009: Southern Regional Meeting of the American Chestnut Foundation, Chattanooga, TN (workshop).

2009: City of Rome Visitors and Conventions Bureau, Rome, GA (field tour).

2009: Cave Spring Wildlife Club, Cave Spring, GA (oral presentation).

2009: Darlington High School, Rome, GA (field tour).

2008: Daughters of Berry, Mount Berry, GA (oral presentation).

2008. Mount Berry Garden Club, Mount Berry, GA (oral presentation).

2008. Four Season's Garden Club, Rome, GA (oral presentation).

2008. City of Rome Visitors and Convention's Bureau, Rome, GA (field tours).

2008: The American Chestnut Foundation at the 2008 meeting of the Society for Conservation Biology, 13-17 July 2008, Chattanooga, TN (poster presentation).

2008. Adairsville High School, Adairsville, GA (field tour).
2008. Mountain View Garden Club, Rome, GA (oral presentation).
2008. Berry Middle School, Mount Berry, GA (field tour).
2008. GA Southern University, Statesboro, GA (oral presentation).
2008. GIS in Teaching and Research Conference at GA Tech, Atlanta, GA February 13-15 (workshop).
2008. Annual Meeting of the Georgia Chapter of the American Chestnut Foundation, Vogel State Park, Blairsville, GA (oral presentation).
2007. Bi-annual Meeting of the Georgia Chapter of the American Chestnut Foundation, Dalton State College, Dalton, GA (oral presentation).
2007. Bi-annual Meeting of the Georgia Chapter of the American Chestnut Foundation, Elachee Nature Center, Gainesville, GA (oral presentation).
2007. Urban Forestry Conference. Rome, GA (field tour).
2007. Panel discussion on balancing teaching and research at small liberal arts colleges. University of Georgia, Department of Botany. Athens, GA (workshop).
2007. Gordon County Master Gardeners Club, Mount Berry, GA (field tour).
2006 and 2007. 1st and 2nd Southern Regional Meeting of the American Chestnut Foundation. University of Tennessee - Chattanooga, Chattanooga, TN (workshops).
2006: The Georgia Chapter of the American Chestnut Foundation, Red Top Mountain State Park, Acworth, GA (oral presentation).
2006: Berry College Elementary School, Berry College, Mount Berry, GA. (field tour)
2006. 3rd Annual Stewardship Partners Meeting, National Fish and Wildlife Foundation-Southern Company, Auburn, AL (oral presentation)
2006. Floyd County Master Gardeners Club, Rome, GA (field tour).
2006. The Georgia Forestry Commission Exotics and Invasive Species that Impact Georgia's Forests Symposium, Berry College, Mount Berry, GA (workshop and field tour).
2006. The Georgia Chapter of the American Chestnut Foundation, Berry College, Mount Berry, GA (oral presentation and field tour).
2005. The Mountain Longleaf Conference, Berry College, Mount Berry, GA (oral presentation and meeting host).
2005. Environmental Science and the Teacher Graduate Course (EDU622), Berry College, Mount Berry, GA (oral presentation).
2005: National Fish and Wildlife Foundation/Southern Company, Berry College, Mount Berry, GA (field tour).
2005. National Association of State Foresters Forest Health Program, Berry College, Mount Berry, GA (field tour).
2005. Armuchee Middle School CIS Class, Berry College, Mount Berry, GA (oral presentation and field tour).
2005: The Nature Conservancy, Rome Area Landowner's Meeting, Berry College, Mount Berry, GA (oral presentation and field tour).
2004. High Meadows School (Ms. Robie's classes) (field tour)
2004: K-12 Professional Educators Development Workshop, Berry College, Mount Berry, GA (oral presentation).
2004: Outdoor Classroom Symposium, Berry College, Mount Berry, GA (field tours).
2004: Armuchee Middle School CIS Class (field tour)
2004: Armuchee Middle School (Ms. Gallagher's classes) (field tour)

- 2003: Mount Berry Garden Club, Mount Berry, GA (oral presentation and field tour).
- 2003: Georgia Botanical Society, Berry College, Mount Berry, GA (field tour).
- 2003: Mountain Longleaf Conference, Jacksonville State University, Jacksonville, AL (oral presentation).
- 2003: Scientific and Economic Analysis of Environmental Issues: An Institute for Teachers on Free Market Environmentalism, Costa Rica (oral presentations and field tours).
- 2003: MARKERS Summer Institute, Berry College, Mount Berry, GA (oral presentation)
2003. Workshop: Birds and Berries and Plant Secondary Metabolites: Frugivory, Detoxification and Utilisation, Heidelberg, Germany (oral presentations and workshop).
2003. University of Georgia, Athens, GA (oral presentation).
2001. University of Toronto, Toronto, Ontario, Canada (oral presentation).
2000. 3rd International Symposium-Workshop on Frugivores and Seed Dispersal. São Pedro, São Paulo, Brazil (oral presentation).
2000. Wright State University, Department of Biology, Dayton, OH (oral presentation).
1999. VI Neotropical Ornithological Congress, Monterrey, Mexico (oral presentation).
1998. University of North Florida, Department of Natural Sciences, Jacksonville, FL (oral presentation).
1998. International Ornithological Congress, South Africa (oral presentation co-author; D. Levey, speaker)
1997. Savannah River Ecology Lab, Aiken, SC (oral presentation).
1995. University of Tennessee, Department of Botany, Knoxville, TN (oral presentation).
1995. University of Florida, Department of Zoology, Gainesville, FL (oral presentation).
1995. Southeastern Louisiana University, Department of Biology, Hammond, LA (oral presentation).
1994. University of Florida, Department of Zoology, Gainesville, FL (oral presentation).
1994. International Ornithological Congress, Vienna, Austria (oral presentation).
1993. International Botanical Congress, Kyoto, Japan (oral presentation co-author; D. Whigham, speaker)
1992. University of Maryland, Department of Biology, Frostburg, MD (oral presentation).
1991. University of Pennsylvania, Department of Biology, Philadelphia, PA (oral presentation).

PRINCIPLE SENIOR COLLABORATORS:

Heidi Appel (Penn State University), Paul Banko (USGS - Hawaii), Katrin Boehning-Gaese (University of Mainz – Germany), Lynn Bohs (University of Utah), Gary Breton (Berry College), Donald F. Cipollini, Jr. (Wright State University), Hill Craddock (University of Tennessee – Chattanooga), Barbara Crane (US Forest Service), Colleen Downs (University of Natal, South Africa), George Gallagher (Berry College), Christopher Hall (Berry College), John Hendrickson (Temple-Inland), Kirk Hinson (Southern Seed Company), Ido Izhaki (University of Haifa - Israel), Sylvia Lomascolo (University of Florida), Douglas J. Levey (University of Florida), Cassandra Quave (Emory University), Tom Saielli (The American Chestnut Foundation), Jack Schultz (Penn State University), Joshua Tewksbury (University of Washington), Ramona Walls (SUNY Stony Brook), Dennis Whigham (Smithsonian Environmental Research Center - Maryland), Dean Wilson (Berry College), Michael Wink (University of Heidelberg - Germany)

DIRECTED STUDENT RESEARCH: (* = currently active Berry students)

Active student research projects:

2016 – present. Collaboration with University of Tennessee – Chattanooga (Dr. Hill Craddock). Evaluation of first-backcross American/Chinese chestnut hybrids for resistance to *Phytophthora cinnamomi* (Black Ink Disease). Collaboration initiated, work in progress.

2016 – present. Collaboration with Emory University (Dr. Cassandra Quave), University of Georgia (Ryan McNeill), and The American Chestnut Foundation. Bioactive constituents of American/Chinese chestnut (*C. dentata/mollissima*) derived from The American Chestnut Foundation backcross breeding program. Collaboration initiated/students yet to be identified.

2006 – present. Georgia Chapter of the American Chestnut Foundation. Backcross breeding of Georgia American Chestnuts and the establishment of a backcross orchard on the Berry College campus and on the Henry family property. John Lull, Matt Summerlin, Reid Poppel, William Watkins, Erin Coughlin, Sam Watkins, Theron Kantelis, Patrick Felch, Royce Dingley, and Chandler Maddox (student interns and co-authors on presentations and manuscript in preparation), G. Jones, Z. Lemcke, J.P. Moss*, N. Bailey*, M.B. Rowland*, M.G. Gaskin*, S. Williams*, N. Wessel*, and D. Nicely* (student interns).

2004 – present. Berry College National Science Foundation Research Experiences for Undergraduate program and Berry College Work Program. Hardwood management in restoration of longleaf pine habitats: herbicide treatment and prescribed burning. Amy Gaskell (student; oral and poster presentation co-author, manuscript co-author), Christopher Worrell (student; poster presentation and manuscript co-author), John Oliver, Amy Huber, Carolyn Kujala, Hannah Pruett, Melanie Belk and Carly Donahue (students; poster presentation and manuscript co-authors), Jennifer Blalock, Peter Browning, Whitney Callaway, Glenn (Sam) Cassell, Ian Cipollini, Cecil Clark, Jake Dirnberger, George Frye, Kelly Graham, Eric Griffin, Sara Holbrook, Sarah Kovar, Carolyn Kujala, Evan Lane, Angela Lottes, Jay Love, Nicole Malloy, Lynde Mann, Wilder McCullough, Taryn McDonald, Amber Palmer, Amy Potts, Chris Rodriguez, Larry Rogers, Aikura Shimura, Eric Swanson, Nathaniel Wigington, Chris Worrell, Erin Coughlin, William Graham, Kartee Johnson, Timothy Kim, Kalia Miller, Brett Tyler, Stuart Barrow, Andy Montgomery, Averi Simpson, Sam Watkins, G. Jones, J.P. Moss*, N. Wessel*, and Z. Lemcke (student workers) and Patrick Felch, Royce Dingley, Chandler Maddox (co-authors on presentations and manuscript in preparation).

2005 – present. Berry College National Science Foundation Research Experiences for Undergraduate program and Berry College Work Program. Vegetation survey of Martha's Meadow, a calcareous limestone glade habitat. Maya Strahl (co-author of two published abstracts and one submitted manuscript) and Nicole Soper Gorden (co-author of one published abstract and one published manuscript). J.P. Moss* (student worker).

2004 – present. The establishment and maintenance of three Longleaf Pine seed orchards on the Berry College campus: one using cloned Berry College stock and the other using Berry College seedlings. George Gallagher, William Yeomans, Dean Wilson, Kirk Hinson, John Hendrickson (collaborators), and Chris Worrell, John Oliver, Marlin Cox, Jennifer Blalock, Peter Browning,

Whitney Callaway, Glenn (Sam) Cassell, Ian Cipollini, Cecil Clark, Jake Dirnberger, George Frye, Kelly Graham, Eric Griffin, Sara Holbrook, Kartee Johnson, Sarah Kovar, Carolyn Kujala, Evan Lane, Angela Lottes, Jay Love, Nicole Malloy, Lynde Mann, Andy Montgomery, Wilder McCullough, Taryn McDonald, Kalia Miller, Amber Palmer, Amy Potts, Chris Rodriguez, Larry Rogers, Aikura Shimura, Averi Simpson, Eric Swanson, Nathaniel Wigington, Patrick Felch, Royce Dingley, Chandler Maddox, G. Jones, J.P. Moss*, N. Wessel*, and Z. Lemcke (student workers).

1991 – present. Sources of sex-ratio variation in spicebush (*Lindera benzoin*). Dorothy Wallace-Senft, April V. Mills, Dennis Whigham and Jay O’Neill (collaborators) and Joshua Culberson, Kartee Johnson, Kalia Miller, Royce Dingley, Patrick Felch, G. Jones, N. Bailey*, S. Williams*, M.G. Gaskin*, M.B. Rowland*, and J.P. Moss* (students)

Completed student research projects:

2005 -- 2015. Berry College National Science Foundation Research Experiences for Undergraduate program and Berry College Work Program. Estimation of total carbon in a Mountain Longleaf Pine ecosystem in northwestern Georgia. Amy Huber (co-author of two published abstracts) and Rebecca Worley (co-author of submitted abstract), Jennifer Blalock, Glenn (Sam) Cassell, Josh Culberson, Thomas Baldvins, Kalia Miller, Cade Strippelhoff, Evan Lane, Chris McDaniel, Royce Dingley*, and Patrick Felch* (students).

2011 – 2014. Monitoring Ambrosia beetles for the implementation of integrated pest management in Georgia chestnut orchards. Erin Coughlin and Sam Watkins* (co-authors on presentations and manuscript in preparation), and Theron Kantelis* (MSN-DUR grant)

2010 – 2013. Analysis of annual growth rings in male and female Spicebush (*Lindera benzoin*). Joshua Culberson, Kartee Johnson* and Kalia Miller (*co-author on published paper).

2010 – 2013. Analysis of reptiles and amphibians in the Berry College Longleaf Pine Management Area. Andrew Montgomery, Stuart Barrow, and Averi Simpson (co-authors on CSS symposium poster).

2009 – 2013. Forest Ecology class and Berry College Student Work Program. Vegetation structure and bird species diversity in a mountain longleaf pine ecosystem undergoing restoration (in preparation for Restoration Ecology). Thomas Baldvins, Joshua Culberson, John Kronenberger, and Andrew Montgomery (co-authors on published manuscript).

2010 – 2012. Honors’ Thesis on the analysis of fecal and total coliforms in Swan Lake on the Berry College campus. Calvin Blake Bannister.

2005 -- 2012. Berry College National Science Foundation Research Experiences for Undergraduate program and Berry College Work Program. A survey of the herbaceous vegetation in the Berry College Longleaf Pine Management Area. Kate Currie (co-author of two published abstracts), Josh Culberson, Thomas Baldvins, Kalia Miller, and Cade Strippelhoff, (co-authors on presentations and published paper), and Evan Lane, and Chris McDaniel

2010 – 2011. Dendrochronological analysis of timbers obtained from the Roy Quillen log cabin in Livingston, GA. Timothy Kim and Nichole Dammann.

2004 – 2011. University of Arizona Ph. D. Program in Geography. Tree growth-ring analysis as a means of detecting climatic events in old-growth Longleaf Pine stands on Lavender Mountain, Berry College, Georgia and nearby longleaf sites. Troy Knight and Georgina DeWeese (collaborators) and Christopher Worrell (student co-author of published abstract) and Jake Dirnberger, Kartee Johnson*, and Kalia Miller (students).

2004 – 2010. Berry College National Science Foundation Research Experiences for Undergraduate program, Berry College Work Program, and Berry College Honor's Program. Intraspecific variation in quinolizidine alkaloids of mamane (*Sophora chrysophylla*) seeds. Paul Banko, Kevin Brinck, and Gary Breton (collaborators), Rebecca Neal (oral and poster presentation co-author, and manuscript co-author), Sarah Stephan (student), and William Brooks, and William Watkins (oral and poster presentations co-authors).

2003 – 2005. University of West Georgia, Graduate Program in Ecology. Restoring fire in a long-unburned mountain Longleaf pine forest: impacts on fine root and mycorrhizal fungi. Brianna Bennett (collaborator; MS Thesis)

2001 - 2005. Berry College Honors Program: The relationship between water chemistry and presence of troglodytic crayfish in Tennessee, Alabama, and Georgia caves. Genevieve Spanjer (honors thesis, oral presentation co-author, published paper co-author).

2001 - 2004. Berry College Work Program, Plant Ecology Class, and Directed Studies. The development of a management plan for Longleaf Pine (*Pinus palustris*) on the Berry College campus. Carly Donahue, Christopher Faulkner, James Golden Goss, Karen H. Vaughn, Sophia Arce Flores, Eduardo Aguilar Espinosa, Ian Cipollini, Chris Clary, Melanie Belk, George Frye, and Jessica Ball. Berry College (management plan co-authors, regional poster and oral presentation co-authors).

2000 - 2002. Berry College Work Program. Effect of nitrogen and water supplementation on herbivory by Eggplant Flea Beetles and Tobacco Hornworm on Horsenettle (*Solanum carolinense*). Eric Paulk, Berry College (published paper co-author).

1999 - 2002. Berry College Work Program. Seed chemistry of *Sophora chrysophylla* (Mamane) in relation to the diet of the specialist seed predator *Loxioides bailleui* (Palila) in Hawaii. Eric Paulk, Berry College (published paper co-author, regional oral presentation co-author).

1999 - 2002. Berry College Work Program and Summer Research Program in Environmental Sciences: Inter- and intra-specific variation in protease inhibitor activity of leaves and leaf herbivory on *Solanum* species. Tiffany Fischer, Karen Vaughn, Carrie Manous, Kimberly Mink, and Eric Paulk, Berry College.

1998 - 2008. Berry College Work Program and Forest Ecology class: Population structure and dynamics of a Long-leaf Pine (*Pinus palustris*) population on the Berry College Campus. Carly Donahue, Christopher Faulkner, James Golden Goss, Carolyn Kujala, Tiffany Fischer, Karen Vaughn, Carrie Manous, Kimberly Mink, Hannah Pruett, Sofia Arce-Flores, Eduardo Aguilar-Espinoza, Chris Clary, Eric Paulk, Sarah Stephan, Maya Strahl, and Christopher Worrell, Berry College (oral presentation co-authors).

1998 - 1999. Independent Research: An assessment of BioRinse as a post-chill treatment to reduce pathogenic bacterial loads on food products. Kristy Rae Collins, and Eric Paulk, Berry College. (web-based report co-authors)

1997 - 2004. Berry College Work Program: Intra- and inter-specific variation in the chemistry of *Solanum* fruits. Lynn Bohs and Katrin Boehning-Gaese (collaborators), and Tiffany Fischer, Karen Vaughn, Carrie Manous, Kimberly Mink, Eric Paulk, and Rebecca Neal (students). Berry College. (poster and oral presentation co-authors, manuscript and published paper co-authors).

1996 - 2000. Berry College Work Program: Glycoalkaloids of tropical *Solanum* species, Anna Sanders, Berry College (oral presentation co-author).

1996 - 1998. Berry College Honors Program: Antimicrobial properties of the glycoalkaloids of temperate and tropical *Solanum* species. Kristy Rae Collins, Berry College (manuscript co-author).

1996 - 1997. Berry College Honors Program: A study in forensic pathology: tetracycline accumulation in the bones of a 4,000 year old Nubian population. Kristy Rae Collins, Berry College (honors thesis, manuscript first author).

1996. NSF Research Experience for Undergraduates Program: The role of *Solanum* fruit pulp glycoalkaloids in influencing gut retention times and viability of seeds consumed by birds and mammals. Anna Sanders, Berry College and Sofia Wahaj, University of Florida (oral presentation and published paper co-authors).

1996. Berry College Work Program: Seed size and seed predation rates in the neotropical legume, *Sesbania emerus*. Bethany Garvey, Berry College.

1994. NSF Research Experience for Undergraduates Program: Seed dispersal syndromes in the Solanaceae. Teri Tamboia, University of Florida (published paper first author).

1993. NSF funded research. Liquid and thin-layer chromatography of glycoalkaloids of Solanaceous plants. Leslie Baggett, University of Florida.

1992. Smithsonian Institution Work/Learn Program: A model of patch dynamics and seed dispersal in the understory shrub *Lindera benzoin*. Dorothy Wallace-Senft, Bennington College, VT (oral presentation and published paper co-author).

1991. Smithsonian Institution Work/Learn Program: A two-sex matrix model of the understory shrub *Lindera benzoin*. April V. Mills, Hampshire College, MS (oral presentation and manuscript co-author).

1990. Rutgers University Biomedical Careers Program. Effect of fruit nutrient chemistry on growth of fungal fruit rot agents. Usha Rana, Rutgers University, NJ (oral presentation author)

