

## CURRICULUM VITAE

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Yellow denotes academic year August 1, 2022 through July 31, 2023

### 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: Concepts in One Health (guest lectures), Field Botany, General Ecology, Principles of Cell Biology, Principles of Microbiology and Botany, General Microbiology, Forest Ecology, Tropical Ecology and Conservation in Cuba, Tropical Ecology and Conservation in Costa Rica, 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; past TACF Science Coordinator and past Treasurer for the state of Georgia).

2002 - 2020. 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):**

Wingo, M.D., A. Rose, T. Chesnut, and M. Cipollini. 2023. Evaluating the efficacy of protective devices to aid in the direct seeding of Longleaf pine (data collection and analysis in progress, presentations being drafted).

Cipollini, M.L. and C. Conn. 2021. Blight resistance screening in The American Chestnut Foundation backcross breeding program, with emphasis on the development of seed orchards. (first draft completed, edit for The Chestnut)

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).

#### **Peer-reviewed research papers submitted:**

N/A

#### **Peer-reviewed research papers accepted:**

N/A

#### **Peer-reviewed research papers published:**

Conn, C.E., N. Howie, M. Lynch, S. Lee, E. Young, J. Westbrook, J. Holliday, Q. Zhang, and M.L. Cipollini. 2023. Validation of an alternative small stem assay for blight resistance in chestnut seedlings and recommendations for broader use. Plant Disease Published Online: 17 May 2023 <https://doi.org/10.1094/PDIS-06-22-1489-RE>

Cipollini, M.L., N.J. Bailey, N. Howie, J.C. Higdon, and M. Lynch. 2023. Do male and female *Lindera benzoin* L. (Lauraceae) differ in stem mass/volume relationships and degree of branching? Journal of the Torrey Botanical Society 150(2):313-319. <https://doi.org/10.3159/TORREY-D-22-00020.1>

Cipollini, M.L., J.P. Moss, W. Walker, N. Bailey, C. Foster, H. Reece, and C. Jennings. 2021. Evaluation of an alternative small stem assay for blight resistance in American, Chinese, and hybrid chestnuts (*Castanea* spp.). Plant Disease <https://doi.org/10.1094/PDIS-06-20-1272-RE>

Cipollini, M.L., N.R. Dingley, P. Felch, N. Bailey, J.P. Moss, M.G. Gaskin, and S. Williams. 2020. Does sexual dimorphism in Spicebush (*Lindera benzoin*) occur prior to fruit production? Journal of the Torrey Botanical Society 147(3): 272-280. <https://doi.org/10.3159/TORREY-D-20-00002.1>

Moss, J.P., N. Bailey, and M.L. Cipollini. 2020. Survey of rare plants within a calcareous flatwoods community and analysis of plant-environmental relationships. Castanea 85(1):205-222. <https://doi.org/10.2179/0008-7475.85.1.205>

Cipollini, M.L., N. Wessel, J.P. Moss, and N. Bailey. 2019. Seed and seedling characteristics of hybrid chestnuts (*Castanea* spp.) derived from a backcross blight-resistance breeding program. New Forests. Published on line 16 September 2019. <https://doi.org/10.1007/s11056-019-09744-7>

- Cipollini, M.L., P. Felch, N. R. Dingley, and C. Maddox. 2019. Changes in tree canopy, understory vegetation, and fuel composition after 10 years of restoration management in an old-growth mountain longleaf pine forest. *Natural Areas Journal* 39(2):197-211. <https://doi.org/10.3375/043.039.0207>
- Ali, M.E., A. Hajihassani, S. Waliullah, M. Cipollini, P. Ji, and T.B. Brenneman. 2019. First report of *Meloidogyne javanica* infecting American chestnut trees (*Castanea dentata*) in Georgia. *Plant Disease* 22 May 2019. <https://doi.org/10.1094/PDIS-03-19-0604-PDN>
- Perkins, M.T., A.C. Robinson, M.L. Cipollini, and J.H. Craddock. 2019. Identifying host resistance to *Phytophthora cinnamomi* in hybrid progeny of *Castanea dentata* and *Castanea mollissima*. *HortScience* 54(2):221–225. <https://doi.org/10.21273/HORTSCI13657-18>
- 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 cytotoxicity 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.

- Whigham, D., J. O'Neill, and M.L. Cipollini. 2005. The role of tree gaps in maintaining the population structure of a woodland herb: *Cynoglossum virginianum* L. *Plant Species Biology* 8(2-3):107 - 115 <https://doi.org/10.1111/j.1442-1984.1993.tb00062.x>
- 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 CO<sub>2</sub> 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. and C. Conn. 2023. GA-TACF breeding program update. GA-TACF Annual Meeting, University of North Georgia, Dahlonega, GA. May 13, 2023.

Wingo, M.D., A. Rose, T. Chesnut, and M. Cipollini. 2023. Evaluating the efficacy of protective devices to aid in the direct seeding of Longleaf pine. Symposium on Student Scholarship, Berry College, Mount Berry, GA. April 11, 2023 (M.D. Wingo and A. Rose presenting).

Wingo, M.D., C. Conn, and M.L. Cipollini. Validation of an alternative small stem assay for blight resistance in backcross hybrid chestnut seedlings (*Castanea* spp.). The American Chestnut Foundation Chestnut Chat Series. March 17, 2023. By Zoom.

Cipollini, M.L. 2023. American chestnut restoration. University of Georgia Extension Service, Master Naturalist program. February 28, 2023. By Zoom.

Lee, S., M. Wingo, C. Conn, and M.L. Cipollini. 2022. Validation of an alternative small stem assay for blight resistance in backcross hybrid chestnuts (*Castanea* spp.). A Resilient Forest: American Chestnut Symposium, Asheville, NC. September 30-October 1, 2022.

Cipollini, M.L. 2022. Restoration of old growth montane Longleaf pine forest at Berry College - progress and challenges. Trees Atlanta: Speaker Series. Atlanta, GA. September 8, 2022.

Cipollini, M.L. 2022. History of GA-TACF and its evolving science programs. GA-TACF Annual Meeting. Berry College, Mount Berry, GA. May 21, 2022.

Conn, C. and M.L. Cipollini. Evaluation of the alternative small stem assay in backcross chestnut seedlings in Georgia. The American Chestnut Foundation Southern Regional Meeting, February 26, 2022. By Zoom.

Cipollini, M.L. 2021. GA-TACF Chestnut Orchards 2021. GA-TACF Annual Meeting, May 22, 2021. By Zoom.

Cipollini, M.L. 2020. GA-TACF breeding program update. GA-TACF Annual Meeting. June 9, 2020. By Zoom.

Cipollini, M.L. 2020. Changes in tree canopy, understory vegetation, and fuel composition after 10 years of restoration management in an old-growth mountain longleaf pine forest. North Georgia Prescribed Fire Council Meeting. June 4, 2020. By Zoom.  
<https://www.youtube.com/watch?v=svtQ9cGtJ3s&list=PLg38mXDqkgvOoQsZYdsNGR Tqf3uHXK17a&index=3&t=0s>

Cipollini, M.L., Z. Felix, J.P. Moss, and T. Weaver. 2020. Status of the TACF chestnut blight resistance backcross program in Georgia, with emphasis on the Flint seed orchard. Association of Southeastern Biologists Meeting, March 25-28, 2020, Jacksonville, FL. *Southeastern Biology* 67(1-4):119.  
[http://www.sebiologists.org/uploads/1/0/3/0/103013314/seb\\_2020\\_vol67.pdf](http://www.sebiologists.org/uploads/1/0/3/0/103013314/seb_2020_vol67.pdf)

Cipollini, M.L. 2019. GA-TACF breeding program progress report. GA-TACF Annual Meeting, Atlanta History Center, Atlanta, GA, April 13, 2019.

Moss, J.P., N. Bailey, W. Walker and M.L. Cipollini. 2019. Survey of rare plants within a calcareous flatwoods community and analysis of plant-environmental relationships. Association of Southeastern Biologists Meeting, April 3-6, 2019, Memphis, TN (J.P.



- Moss presenting). Also presented at the Berry College Symposium on Student Scholarship, April 9, 2019, Mount Berry, GA (J.P. Moss presenting).
- Cipollini, M.L., N. Bailey, M.G. Gaskin, J.P. Moss, W. Walker, and S. Williams. 2019. Is there sexual dimorphism in Spicebush (*Lindera benzoin*) prior to fruit production? Association of Southeastern Biologists Meeting, April 3-6, 2019, Memphis, TN (M.L. Cipollini presenting). Also presented at the Berry College Symposium on Student Scholarship, April 9, 2019, Mount Berry, GA (M.G. Gaskin presenting).
- 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 [https://www.acf.org/wp-content/uploads/2019/01/MartinCipollini\\_et\\_al\\_GeorgiaOffersUniqueOpportunitiesIncorporateGreaterGeneticDiversityCastaneaBreedingPrograms.pdf?x27388](https://www.acf.org/wp-content/uploads/2019/01/MartinCipollini_et_al_GeorgiaOffersUniqueOpportunitiesIncorporateGreaterGeneticDiversityCastaneaBreedingPrograms.pdf?x27388)
- 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. [https://www.acf.org/wp-content/uploads/2019/01/MartinCipollini\\_et\\_al\\_EvaluationAlternativeSmallStemAssayBlightResistance.pdf?x27388](https://www.acf.org/wp-content/uploads/2019/01/MartinCipollini_et_al_EvaluationAlternativeSmallStemAssayBlightResistance.pdf?x27388)
- 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. Dahlonega Science Café, Dahlonega, GA. July 16, 2018.
- Cipollini, M.L. 2018. GA-TACF breeding program progress report. GA-TACF Annual Meeting, Reinhardt University, Waleska, GA, May 5, 2018.
- Cipollini, M.L. 2018. Restoring Mountain Longleaf Pine and American Chestnut in Georgia, Georgia Urban Forest Council Meeting, Rome, GA. April 25, 2018.
- 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, 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. November 13, 2014. Kennesaw State University, Kennesaw, GA.
- 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](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)
- Cipollini, M. L. 2012. Breeding for Disease Resistance in American Chestnut in Georgia. Georgia Native Plant Society 17<sup>th</sup> Plant Symposium: Georgia Environment and Georgia Yards. Marietta, Georgia. Feb. 11, 2012.
- Cipollini, M. L. 2011. The Berry College Longleaf Pine Project: Progress Over the First Nine Years. 4<sup>th</sup> Montane Longleaf Pine Conference. Cheaha State Park, Alabama. Oct. 25, 2011.
- Cipollini, M. L. 2011. The American Chestnut Blight Resistance Breeding Program in Georgia. The American Chestnut Foundation Restoration Branch Event. Rome, Georgia. May 6, 2011.
- Cipollini, M. L. 2011. The American Chestnut Blight Resistance Breeding Program in Georgia. Annual Meeting of the State Master Gardeners Association. Rome, Georgia, April 30. 2011.
- Cipollini, M. L. and E. Coughlin. 2011. Progress over the first five years of the GATACF blight resistance breeding program. Annual Meeting of the Georgia Chapter of the American Chestnut Foundation, Athens, GA. April 2, 2011.
- Culberson, J., M. Cipollini, T. Baldvins, E. Lane, C. McDaniel, K. Miller, and C. Strippelhoff. 2010. Herbaceous plants and grasses of the Berry College Longleaf Management Area. Abstracts: Ecological Society of America 95th Annual Meeting, Pittsburgh, PA. August 1-6, 2010.
- Kronenberger, J., T. Baldvins, M. Cipollini and A. Montgomery. 2010. Early effects of restoration practices within a historically fire-suppressed mountain longleaf pine ecosystem on vegetative and bird community structure. Abstracts: Ecological Society of America 95th Annual Meeting, Pittsburgh, PA. August 1-6, 2010.
- Cipollini, M. W. Watkins, B. Doyle, and W. Graham. 2010. Progress over the first four years of the GA-TACF blight resistance breeding program. Annual Meeting of the Georgia Chapter of the American Chestnut Foundation, Callaway Gardens, GA. April 24, 2010.
- Cipollini, M. 2010. The TACF TREES database. Annual Meeting of the Georgia Chapter of the American Chestnut Foundation, Callaway Gardens, GA. April 24, 2010.
- Kronenberger, J., T. Baldvins, M. Cipollini, W. McCullough, A. Montgomery, and A. Simpson. 2010. Early effects of restoration practices within a historically fire-suppressed mountain longleaf pine ecosystem on vegetative structure and the bird community. 71st Annual Association of Southeastern Biologists Meeting, April 7-11, 2010, Asheville, NC.
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- bailleui*) and *Cydia* spp. 71st Annual Association of Southeastern Biologists Meeting, April 7-11, 2010, Asheville, NC.
- Cipollini, M. 2010. The TACF TREES database. Southern Regional Meeting of The American Chestnut Foundation. Chattanooga, TN. March 20, 2010.
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- Watkins, W., M. Cipollini, and M. Summerlin. 2009. Georgia's role in the rebirth of the American Chestnut tree. 70th Annual Association of Southeastern Biologists Meeting, April 1-4, 2009, Birmingham, AL.
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- Cipollini, M. 2008. The Berry College Longleaf Pine Project: Progress over the First Five Years. Abstracts: Third Montane Longleaf Conference, Auburn, AL. March 11, 2008.
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- Worley, R. and M. L. Cipollini. 2007. Fuel loads and carbon storage in mountain longleaf pine (*Pinus palustris*) stands undergoing restoration. Abstracts: North Carolina Academy of Science 104<sup>th</sup> Annual Meeting, East Carolina University, March 30 – April 1, 2007.
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- Huber, A., A. Gaskell, C. Worrell, L. Rogers and M. Cipollini. 2006. Estimation of total biomass in a Mountain Longleaf Pine ecosystem in northwestern Georgia. The Annual Meeting of the Association of Southeastern Biologists, Gatlinburg, TN. March 29-April 1, 2006. Southeastern Biology 53(2):169-170 and Berry College NSF-REU Symposium, August 2005.
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- Neal, R., K. Brinck, P. Banko, M. Cipollini and G. Breton. 2005. Intraspecific variation in quinolizidine alkaloids of mamane (*Sophora chrysophylla*) seed embryos: relevance to specialist seed predation by palila (*Loxioides bailleui*) and *Cydia* spp. Abstracts: The Annual Meeting of the Association of Southeastern Biologists, Florence, AL. April 13-16, 2005. Southeastern Biology 52:137 and Berry College NSF-REU Symposium, August 2004.
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- Cipollini, M. L., A. V. Mills, and D. F. Whigham. 1994. Sex ratio variation in *Lindera benzoin*: A two-sex transition matrix model approach. *American Journal of Botany* 81(6): 68-69.
- Cipollini, M. L., D. Wallace-Senft and D. F. Whigham. 1993. Population structure and dynamics in response to gap formation in the dioecious shrub *Lindera benzoin*: a mixed population/forest dynamics model. *Bulletin of the Ecological Society of America* 74(2): 193.
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- Cipollini, M. L. and E. W. Stiles. 1987. Clumped oviposition of *Acanthoscelides obtectus* Say among seeds of *Phaseolus vulgaris* L. and *Phaseolus coccineus* L.: effects on larval development patterns. *Bulletin of the Ecological Society of America* 68(2).
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#### **OTHER PUBLICATIONS:**

- Rogers, J., Starling, J. and M.L. Cipollini. Richards Chestnut Orchard Planting. The Georgia Chapter of The American Chestnut Foundation YouTube Channel. February 2022. <https://www.youtube.com/watch?v=-HodAJXRWBA> (video production)
- Cipollini, M.L. and K. Patrick. 2021. So you want to plant some chestnuts? <https://acf.org/ga/news-events/so-you-want-to-plant-some-chestnuts/> (on line news article).

- Cipollini, M.L. 2021. Georgia Chapter Activities Summer 2021. <https://acf.org/ga/news-events/georgia-chapter-activities-summer-2021/> (photo essay for on-line newsletter)
- Cipollini, M.L. 2021. Chestnut Grafting at Berry College. <https://acf.org/ga/news-events/chestnut-grafting-at-berry-college/> (photo essay for on-line newsletter).
- Cipollini, M.L. 2021. More chestnut seedlings for the Roy Richards seed orchard! <https://acf.org/ga/news-events/more-chestnut-seedlings-for-the-roy-richards-seed-orchard/> (photo essay for on-line newsletter).
- Cipollini, M.L. 2021. Flint PRR orchard expansion completed. GA-TACF News. <https://acf.org/ga/news-events/flint-prr-orchard-expansion-completed/> (photo essay for on-line newsletter).
- Cipollini, M.L. 2021. Lake Allatoona maintenance 2020. GA-TACF News. <https://acf.org/ga/news-events/lakeallatoonamaintenance/> (photo essay for on-line newsletter).
- Cipollini, M.L. and N. Howie. 2021. FSC risk mitigation – Topic: Native longleaf pine systems (Montane and Fall Line Hills). Forest Stewardship Council. <https://www.youtube.com/watch?v=1HVG09hdkkk> (public education video).
- Patrick, K. and M.L. Cipollini. 2020. TACF Chestnut chat: Cooking with chestnuts. GA-TACF YouTube Channel. <https://www.youtube.com/watch?v=C2AKv86zSe4&feature=youtu.be> (public educational video and on-line chat)
- Cipollini, M.L. and K. Patrick. 2020. Chestnut pasta with sage butter sauce. GA-TACF YouTube Channel. <https://www.youtube.com/watch?v=Y0DoVzXwwlg> (public educational video)
- Cipollini, M.L. and K. Patrick. 2020. Peeling chestnuts for cooking. GA-TACF YouTube Channel. [https://www.youtube.com/watch?v=6PUc3p\\_uZMo](https://www.youtube.com/watch?v=6PUc3p_uZMo) (public educational video)
- Cipollini, M.L. and K. Patrick. 2020. Roasting chestnuts. GA-TACF YouTube Channel. <https://www.youtube.com/watch?v=OAYA7brdFyI> (public educational video)
- Patrick, K.L., M.L. Cipollini, and C. Leavell. 2020. Chestnuts and the HemlockFest virtual event 2020. GA-TACF YouTube Channel. <https://www.youtube.com/watch?v=1srcknovSJg> (public educational video)
- Patrick, K.L., M.L. Cipollini, and C. Leavell. 2020. Chestnuts and virtual HemlockFest: Please Listen In! GA-TACF YouTube Channel. <https://www.youtube.com/watch?v=FfU5kWaWlxc> (public educational video)
- Cipollini, M.L. 2020. Small Stem Assays at Milner Backcross Orchard, GA. TACF E-Sprout <https://www.acf.org/our-community/news/small-stem-assays-at-milner-backcross-orchard-ga/> (photo essay for on-line newsletter).
- Cipollini, M.L. 2020. Ambrosia beetle time is upon us! <https://acf.org/ga/news-events/ambrosia-beetle-time-is-upon-us/> (fact sheet for on-line newsletter). Updated 2021.
- Cipollini, M.L. 2020. The “Avalon” Tree – A State Champion. Chestnut: Journal of The American Chestnut Foundation. Winter 2020 34(1):7-9. (photo essay).

- Cipollini, M.L. 2019. HemlockFest Also Supports American Chestnut Restoration. TACF E-Sprout (photo essay for on-line newsletter) <https://www.acf.org/our-community/news/hemlockfest-also-supports-the-american-chestnut/>
- Cipollini, M.L. 2020. GA-TACF work during the Spring 2020 COVID-19 crisis. GA-TACF News. (photo essay for on-line newsletter). <https://www.acf.org/ga/news-events/ga-tacf-work-during-the-spring-2020-covid-19-crisis/>
- Cipollini, M.L. 2020. Chestnut wood for grafting wanted! GA-TACF News <https://www.acf.org/ga/news-events/chestnut-wood-for-grafting-wanted/> (news article for on-line newsletter). Updated 2021.
- Cipollini, M.L. 2020. The Flint Orchard Planting is Done! GA-TACF News (photo essay for on-line newsletter) <https://www.acf.org/ga/news-events/the-flint-orchard-planting-is-done/>
- Cipollini, M.L. 2019. GA-TACF Events, Fall 2019. GA-TACF News (photo essay for on-line newsletter) <https://www.acf.org/ga/news-events/ga-tacf-events-fall-2019/>
- Cipollini, M.L. 2018. News on wild American chestnut search. GA-TACF on-line newsletter. Posted on 08/16/2018 <https://www.acf.org/ga/news-events/news-on-wild-american-chestnut-search/> (news article)
- Cipollini, M.L. and K.L. Patrick, in collaboration with B. Campbell (videographer) and C. Anderson (co-editor). 2018. Southbound and Down (But Not For Long!): The American Chestnut Cabin at Many Streams Ranch. Video project (co-writer, -producer, -director, -editor). Pre-screened at the Georgia Chapter of the American Chestnut Foundation Annual Meeting, Reinhardt University, Waleska, GA, on May 5, 2018. Final version posted to GA-TACF YouTube Channel. <https://www.youtube.com/watch?v=u24LeEMSsW0>
- Cipollini, M.L. 2017. Advanced hybrid chestnuts planted at Sandy Creek Nature Center. Chestnut: Journal of The American Chestnut Foundation. Spring 2017 (news article)
- Saielli, T.M., and M.L. Cipollini 2017. How to Deal with Ambrosia Beetles. Identify and Manage these Tenacious Orchard Pests. TACF Fact Sheet. The American Chestnut Foundation (pest control fact sheet).
- Cipollini, M.L. 2016. Longleaf destinations: Berry College and Rome, Georgia. The Longleaf Leader IX(1):32-34. (news article)
- Cipollini, M. and R. Dingley. 2016. Georgia chapter milestones: 10 years of breeding and the first selected backcross lines. Chestnut: The Journal of the American Chestnut Foundation Winter 2016 30(1):10. (news article)
- Cipollini, M.L. 2015. Another bunch of B3F3s hits the ground running. The Georgia Sprout Fall 2015 (Newsletter of the Georgia Chapter of the American Chestnut Foundation) 12(2):6. (news article)
- Cipollini, M.L. and T. Saielli. 2015. Breeding for disease-resistance in American chestnut in the southern U.S.: the role of state chapters of The American Chestnut Foundation. Chinkapin - Newsletter of the Southern Appalachian Botanical Society 23(1):7-8. (not peer-reviewed)

- Cipollini, M.L. 2015. Ten years of chestnut restoration in Georgia. The Georgia Sprout Fall 2015 (Newsletter of the Georgia Chapter of the American Chestnut Foundation) 12(2):3-5. (news article)
- Felch, P., Dingley, N.R., and M. Cipollini. 2015. Georgia chapter enters its second decade of breeding program. TACF E-Sprout (electronic and on-line newsletter) <http://acf.org/newsletter8.14.15GACChapterUpdate.php#sthash.WEsn6zaF.dpuf><http://acf.org/newsletter8.14.15GACChapterUpdate.php> (news article)
- Cipollini, M.L. 2015. Planting GA-TACF chestnuts and the importance of “citizen science”. The Georgia Sprout Spring 2015 (Newsletter of the Georgia Chapter of the American Chestnut Foundation) 12(1):6-7. (news article)
- Cipollini, M.L. 2015. Progress of the GA-TACF breeding program. The Georgia Sprout May 2015 (Newsletter of the Georgia Chapter of the American Chestnut Foundation) 12(1):5. (news article)
- Kantelis, T., N.R. Dingley, P. Felch, and M.L. Cipollini. 2015. An Update from GA-TACF’s Berry College Interns. The Georgia Sprout May 2015 (Newsletter of the Georgia Chapter of the American Chestnut Foundation) 12(1):3-4. (news article)
- Cipollini, M.L. 2014. GA-TACF establishes formal partnership with GA State Parks. The Journal of the American Chestnut Foundation 5(28):11. (news article).
- Womack, L. and M.L. Cipollini. 2014. Chestnut Restoration Takes Root in Georgia. Georgia Forestry Today Jan-Feb 2014:15-17. (not peer-reviewed)
- Kantelis, T., S. Watkins, and M.L. Cipollini. 2013. A summer of chestnuts in Georgia. The Georgia Sprout (Newsletter of the Georgia Chapter of the American Chestnut Foundation) 10(2):2 (news article).
- Cipollini, M.L., T. Kantelis, and S. Watkins. 2013. Planting GA-TACF chestnuts and the importance of “citizen science”. The Georgia Sprout (Newsletter of the Georgia Chapter of the American Chestnut Foundation) 10(2):on-line addition (news article).
- Cipollini, M.L., T. Kantelis, and S. Watkins. 2013. New people, new vigor, new ideas. The Journal of the American Chestnut Foundation 27(5):8 (news article).
- Kantelis, T. and M.L. Cipollini. 2013. New partnerships and plantings in Georgia. The Journal of the American Chestnut Foundation 27(3):9. (news article).
- 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, and M. Wink. 2003. Birds, berries, and fruit secondary metabolites. J. Ornithol. 144: 374-376. (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 Willowwood Arboretum Botanical Records Program. Morris County Park Commission, April 1991 (computer program and procedure manual).

## **AWARDS:**

2022. The True Longleaf Champion Award, The Longleaf Alliance. Presented at the 14<sup>th</sup> Biennial Longleaf Conference, Wilmington, NC.

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:**

N/A

### **Submitted:**

N/A

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

Laura Maddox-Smith Summer Research Institute for the Environmental Sciences. 2023. Breeding for blight resistance in American chestnut backcross hybrids (with Anna Rose and one other student). \$5,000

Georgia Pacific. 2023. Donation arranged to support longleaf pine seed orchard maintenance (Central Grove orchard). \$3000 (possible annual extensions).

Pirelli North America. 2023. Donations arranged in support of longleaf pine planting on the Berry College campus. \$10,000 (possible annual extensions).

Rome Rotary. 2023. Donation to support American chestnut restoration at Berry College (donation made through the GA Chapter of The American Chestnut Foundation). \$2000.

Eleanor and Tom Ratchford (Knobloch Family Foundation). 2022. Donation to support American chestnut restoration work at Berry College (donation made through The American Chestnut Foundation). \$5000

Rome Rotary. 2022. Donation to support American chestnut restoration at Berry College (donation made through the GA Chapter of The American Chestnut Foundation). \$7000 in-kind (materials and supplies).

Georgia Pacific. 2022. Donation arranged to support longleaf pine seed orchard maintenance (Central Grove orchard). \$3000

Pirelli North America. 2022. Donations arranged in support of longleaf pine planting on the Berry College campus. \$10,000.

The American Chestnut Foundation. 2019. A proposed study for the identification of differentially expressed genes associated with exposure to *Phytophthora cinnamomi* in *Castanea dentata* (susceptible) and *C. mollissima* (resistant). Co-PI Michael Morgan (Berry College) and Pingsheng Ji (UGA). \$5,287. 1 year period starting November 1, 2019. Deadline extended to November 30, 2021. Final report February 28, 2022.

Lumpkin Coalition. American chestnut orchard projects in Georgia. Submitted to Lumpkin Coalition on behalf of The Georgia Chapter of The American Chestnut Foundation (not submitted through Berry College, but supports work at Berry). \$25,000 awarded to GA-TACF in 2017, \$15,000 in 2018, \$6,500 in 2019, and \$3000 in 2020. **\$6000 in 2023.**  
**Total awarded to date = \$55,500.**

Berry Funder. 2019. In support of the Berry College Longleaf Pine project. +\$6000 in proceeds.

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. \$11,165.

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. \$174,428 (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 Releaf 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)\*

American Phytopathology Society (APS)\*

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 2<sup>nd</sup> Mountain Longleaf Conference: 2005

Editor of Proceedings for 2<sup>nd</sup> Mountain Longleaf Conference: 2006

Organizer for 3<sup>rd</sup> 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 2013-present.

The American Chestnut Foundation (TACF)\*

Board of Directors: 2023 – present.

The Georgia Chapter of the American Chestnut Foundation (GA-TACF)\*

Volunteer in Pollination, Seed Harvesting, and Orchard Work: 2005-present

Board Member: 2006-2022.

Science Coordinator – 2006-2022.

Chapter 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, 2012, 2018-22.

Treasurer: 2016 – 2021.

## **REVIEWER OF MANUSCRIPTS, CURRICULUM VITAE, RESEARCH and GRANTS FOR:**

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., Journal of Plant Breeding and Crop Science, Conservation Biology, Current Biology, Ecography, Ecology (2), Ecology Letters, Ecological Entomology, EcoScience, Enslow Publishers, Frugivores and Seed Dispersers, Forest Ecology and Management (2), 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 Disease, Plant Ecology, Plant Species Biology, PloS One, Population Ecology, Restoration Ecology, The Oriole, Trinity University (tenure application), **University of Georgia (Ryan McNeill; PhD candidate)**, UGA Cooperative Extension Service, University of Georgia Press (Leslie Edwards), USDA Forest Service, U.S./Israel Binational Science Foundation.

## **INVITED PUBLIC PRESENTATIONS, WORKSHOPS, and FIELD TOURS:**

2023. Rome Rotary Club. Restoration of disease resistant American chestnuts. Coosa Country Club, November 9, 2023 (invited public presentation)

2023. NE-1833 Chestnut Conference, September 7-10, 2023, Chattanooga, Tennessee (invited workshop participant)

2023. North Georgia Prescribed Fire Council Annual Meeting, Jasper, Georgia. June 22, 2023 (invited workshop participant).

2023. Talladega-Mountain Longleaf Pine Conservation Partnership meeting, Berry College, January 2023 (workshop organizer, participant, and field tour leader).

2022. Screening chestnut seedlings for blight resistance at Berry College (Alexander High School FFA). November 10, 2022 (invited tour and workshop)

2022. Old growth mountain longleaf pine stands of Berry College. Georgia Tree Conference (Georgia Tree Council). November 2, 2022 (invited field tour).

2022. Old growth mountain longleaf pine stands of Berry College. With Dr. Kevin O'Donnell (East Tennessee State University) in support of a book project featuring Berry's old growth forest. July 29, 2022 (invited field tour and interview)



2022. Prescribed burning needs within the Berry College longleaf pine management areas for Georgia Forestry Commission and The Nature Conservancy staff. June 21, 2022 (invited field tour).
2022. The Nature Conservancy in Georgia Annual Board of Trustees Meeting 2022. Field tour of the Berry College longleaf pine orchards and old growth management areas. June 14, 2022 (invited field tour).
2022. GA-TACF Annual Meeting. Field tour of the Berry College nursery and chestnut orchard. May 21, 2022 (invited field tour).
2022. Berry College STEM Teaching Program. Field tour of Berry College's Longleaf Pine Management Area. April 18, 2022 (invited field tour).
2022. Knobloch Family Foundation (Tom and Eleanor Ratchford). Field tour of Berry College's American chestnut and Longleaf pine projects (with Katie Owens, The Nature Conservancy). January 12, 2022 (invited field tour).
2022. Pirelli North America. The Berry College Longleaf Pine Project: 20-year Update and Future Plans (with Tim Chesnut and Katie Owens). Rome, GA. January 11, 2022 (invited presentation), to be followed by planting event on January 29, 2022.  
<https://www.pirelli.com/global/en-ww/life/the-berry-college-longleaf-pine-project-support-of-local-communities-and-habitats-for-pirelli-north-america>
2021. Berry College Cultural Events Program. The Berry College Longleaf Pine Project: 20-year Update and Future Plans. Berry College, November 16, 2021 (invited public presentation).
2021. The Spires at Berry Lecture Series. The Berry College Longleaf Pine Project: 20-year Update and Future Plans. Berry College, November 9, 2021 (invited public presentation).
2021. Rome News Interview with John Bailey. "Local Rotary Clubs, Berry College partner in hybrid chestnut tree planting initiative" Published Nov. 5, 2021.
2021. Garden Club of Ellijay. Restoration of Disease Resistant American Chestnuts. Ellijay, GA. October 6, 2021 (invited public presentation).
2021. Rome Rotary Club. Restoration of Disease Resistant American Chestnuts. Coosa Country Club, August 5, 2021 (invited public presentation)
2021. Georgia Governor's Honors Program. The Berry College chestnut restoration project. July 1, 2021 (orchard, nursery, laboratory, and herbarium tour).
2020. FSC Risk Mitigation – Topic: Native longleaf pine systems (Montane and Fall Line Hills). Forest Stewardship Council (video production)
2020. Cooking with Chestnuts. TACF Chestnut Chat, October 16, 2020 (on line webinar with Kathy Patrick).
2020. Georgia Forestry Commission Prescribed Fire Certification course, Berry College, Mount Berry, GA (TBA, Fall 2020)(workshop organizer; COVID-related postponement).
2020. North Georgia Prescribed Fire Council Meeting, Jasper, GA. June 4, 2020 (invited workshop presentation)
2019. Workshop: The Flavors of Chestnuts with Kathy Patrick. Trees Atlanta, Atlanta, GA. November 16, 2019 (invited workshop presentation).

2019. The Georgia Chapter of the American Chestnut Foundation. Hemlockfest, Dahlonega, GA. November 1-3, 2019 (invited educational display presentation).
2019. Tree walk in Marshall Forest with Keep Rome-Floyd Beautiful. Rome, GA. Oct. 11, 2019. (invited field tour).
2019. The American Chestnut Foundation State Chapters' Meeting, Abingdon, VA. July 18-20, 2019 (invited workshop participant).
2019. North Georgia Prescribed Fire Council Meeting, Jasper, GA. June 4, 2019 (invited workshop participant)
2019. Chestnut Event at Southern Brewing, Athens, GA. April 27, 2019 (invited public presentation)
2019. Southern Literature and Environment Course, Berry College, Mount Berry, GA. March 29, 2019 (invited field tour)
2019. South Rome Garden Club, Rome, GA. March 5, 2019 (invited public presentation)
2019. Oak Hill and The Martha Berry Museum, Berry College, Mount Berry, GA. March 4, 2019 (invited public presentation)
2019. Spade and Trowel Garden Club, Berry College, Mount Berry, GA. February 9, 2019 (invited public presentation)
2018. Seven Hills Garden Club, Rome, GA. November 14, 2018 (invited public presentation)
2018. Chestnut Event at Dry County Brewing, Kennesaw, GA. November 11, 2018 (invited public presentation)
2018. The Georgia Chapter of the American Chestnut Foundation. Hemlockfest, Dahlonega, GA. November 2-4, 2018 (invited educational display presentation).
2018. GA-DNR Master Naturalist Program, Waleska, GA October 19, 2018. (invited workshop and field tour)
2018. Dahlonega 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. The Georgia Chapter of the American Chestnut Foundation. Hemlockfest, Dahlonega, GA. November 3-5, 2017 (educational display presentation).
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, Longleaf 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. 4<sup>th</sup> Montane Longleaf 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. 1<sup>st</sup> and 2<sup>nd</sup> 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. 3<sup>rd</sup> 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), Tim Chesnut (Berry College), Donald F. Cipollini, Jr. (Wright State University), Caitlin Conn (Berry College), 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), Jared Westbrook (The American Chestnut Foundation), Dennis Whigham (Smithsonian Environmental Research Center - Maryland), Jamie van Clief (The American Chestnut Foundation), Michael Wink (University of Heidelberg - Germany)

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

**Active student research projects:**



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. J. Lull, M. Summerlin, R. Poppel, W. Watkins, E. Coughlin, S. Watkins, T. Kantelis, P. Felch, R. Dingley, C. Maddox, G. Jones, Z. Lemcke, J.P. Moss, N. Bailey, M.B. Rowland, M.G. Gaskin, S. Williams, N. Wessel, D. Nicely, C. H. Smith, N. Howie, C. Foster, H. Reece, C. Jennings, M. Braswell, D. Sparks, C. Higdon, M. Lynch, S. Lee\*, E. Young\*, A. Prince, C. Heinrich, E. Watson\*, M. Wingo, A. Frattaroli\*, G. Moore\*, A. Rose\*, K. Furakawa\*, K. Schmit\*, J.L. Durand\*, D. Brantley\*, and A.K. Veronesi\*.

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. A. Gaskell, C. Worrell, J. Oliver, A. Huber, C. Kujala, H. Pruett, M. Belk, C. Donahue, J. Blalock, P. Browning, W. Callaway, G.S. Cassell, I. Cipollini, C. Clark, J. Dirnberger, G. Frye, K. Graham, E. Griffin, S. Holbrook, S. Kovar, C. Kujala, E. Lane, A. Lottes, J. Love, N. Malloy, L. Mann, W. McCullough, T. McDonald, A. Palmer, A. Potts, C. Rodriguez, L. Rogers, A. Shimura, E. Swanson, N. Wigington, E. Coughlin, W. Graham, K. Johnson, T. Kim, K. Miller, B. Tyler, S. Barrow, A. Montgomery, A. Simpson, S. Watkins, G. Jones, J.P. Moss, N. Wessel, Z. Lemcke, P. Felch, R. Dingley, C. Maddox, N. Bailey, M.B. Rowland, M.G. Gaskin, S. Williams, D. Nicely, C.H. Smith, N. Howie, C. Foster, H. Reece, C. Jennings, M. Braswell, D. Sparks, C. Higdon, M. Lynch, S. Lee\*, E. Young\*, A. Prince, C. Heinrich, E. Watson\*, M. Wingo, A. Frattaroli\*, G. Moore\*, A. Rose\*, K. Furakawa\*, K. Schmit\*, J.L. Durand\*, D. Brantley\*, and A.K. Veronesi\*.

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. M. Strahl, N. Soper Gorden, J.P. Moss, and G. McClelland\*.

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 C. Worrell, J. Oliver, M. Cox, J. Blalock, P. Browning, W. Callaway, G.S. Cassell, I. Cipollini, C. Clark, J. Dirnberger, G. Frye, K. Graham, E. Griffin, S. Holbrook, K. Johnson, S. Kovar, C. Kujala, E. Lane, A. Lottes, J. Love, N. Malloy, L. Mann, A. Montgomery, W. McCullough, T. McDonald, K. Miller, A. Palmer, A. Potts, C. Rodriguez, L. Rogers, A. Shimura, A. Simpson, E. Swanson, N. Wigington, P. Felch, R. Dingley, C. Maddox, G. Jones, J.P. Moss, N. Wessel, Z. Lemcke, N. Bailey, M.B. Rowland, M.G. Gaskin, S. Williams, D. Nicely, E. Humphreys, C. H. Smith, N. Howie, C. Foster, H. Reece, C. Jennings, M. Braswell, D. Sparks, C. Higdon, M. Lynch, S. Lee\*, E. Young\*, A. Prince, C. Heinrich, E. Watson\*, M. Wingo, A. Frattaroli\*, G. Moore\*, A. Rose\*, K. Furakawa\*, K. Schmit\*, J.L. Durand\*, D. Brantley\*, and A.K. Veronesi\*.

#### **Completed student research projects:**

1991 – 2022. Sources of sex-ratio variation and sexual dimorphism in spicebush (*Lindera benzoin*). Dorothy Wallace-Senft, April V. Mills, Dennis Whigham and Jay O'Neill

(collaborators) and J. Culberson, K. Johnson, K. Miller, R. Dingley, P. Felch, G. Jones, N. Wessel, N. Bailey, S. Williams, M.G. Gaskin, M.B. Rowland, J.P. Moss, E. Humphreys, C. Foster, H. Reece, C. H. Smith, N. Howie, C. Higdon, and M. Lynch.

- 2016 – 2021. 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, paper published, work on-going with Mike Morgan (Berry) and Pingsheng Ji (UGA). H. Reece and C. Foster
- 2017 – 2020. Honor's Thesis Project, Berry College. Calcareous flatwoods rare plant survey and analysis of plant-environmental relationships. John Patten Moss (honors thesis and author), William Walker (student researcher) and Natalie Bailey (co-author).
- 2016 – 2018. 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.
- 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. A. Huber, R. Worley, J. Blalock, G.S. Cassell, J. Culberson, T. Baldvins, K. Miller, C. Strippelhoff, E. Lane, C. McDaniel, R. Dingley, and P. Felch.
- 2011 – 2014. Monitoring Ambrosia beetles for the implementation of integrated pest management in Georgia chestnut orchards. E. Coughlin, S. Watkins, and T. Kantelis.
- 2010 – 2013. Analysis of annual growth rings in male and female Spicebush (*Lindera benzoin*). J. Culberson, K. Johnson, and K. Miller.
- 2010 – 2013. Analysis of reptiles and amphibians in the Berry College Longleaf Pine Management Area. A. Montgomery, S. Barrow, and A. Simpson.
- 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. T. Baldvins, J. Culberson, J. Kronenberger, A. Montgomery, and A. Simpson.
- 2010 – 2012. Honors' Thesis on the analysis of fecal and total coliforms in Swan Lake on the Berry College campus. C.B. 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. K. Currie, J. Culberson, T. Baldvins, K. Miller, and C. Strippelhoff, E. Lane, and C. McDaniel
- 2010 – 2011. Dendrochronological analysis of timbers obtained from the Roy Quillen log cabin in Livingston, GA. T. Kim and N. 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 C. Worrell, J. Dirnberger, K. Johnson, and K. Miller.

- 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), R. Neal, S. Stephan, W. Brooks, and W. Watkins.
- 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 troglobytic crayfish in Tennessee, Alabama, and Georgia caves. G. Spanjer.
- 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. C. Donahue, C. Faulkner, J.G. Goss, K. Vaughn, S. Arce Flores, E. Aguilar Espinosa, I. Cipollini, C. Clary, M. Belk, G. Frye, and J. Ball.
- 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*). E. Paulk.
- 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. E. Paulk.
- 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. T. Fischer, K. Vaughn, C. Manous, K. Mink, and E. Paulk.
- 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. C. Donahue, C. Faulkner, J.G. Goss, C. Kujala, T. Fischer, K. Vaughn, C. Manous, K. Mink, H. Pruett, S. Arce-Flores, E. Aguilar-Espinoza, C. Clary, E. Paulk, S. Stephan, M. Strahl, and C. Worrell.
- 1998 - 1999. Independent Research: An assessment of BioRinse as a post-chill treatment to reduce pathogenic bacterial loads on food products. K. Collins and E. Paulk.
- 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 T. Fischer, K. Vaughn, C. Manous, K. Mink, E. Paulk, and R. Neal.
- 1996 - 2000. Berry College Work Program: Glycoalkaloids of tropical *Solanum* species, A. Sanders.
- 1996 - 1998. Berry College Honors Program: Antimicrobial properties of the glycoalkaloids of temperate and tropical *Solanum* species. K. Collins.
- 1996 - 1997. Berry College Honors Program: A study in forensic pathology: tetracycline accumulation in the bones of a 4,000 year old Nubian population. K. Collins.

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. A. Sanders (Berry College) and S. Wahaj (University of Florida).
1996. Berry College Work Program: Seed size and seed predation rates in the neotropical legume, *Sesbania emerus*. B. Garvey.
1994. NSF Research Experience for Undergraduates Program: Seed dispersal syndromes in the Solanaceae. T. Tamboia (University of Florida).
1993. NSF funded research. Liquid and thin-layer chromatography of glycoalkaloids of Solanaceous plants. L. Baggett (University of Florida).
1992. Smithsonian Institution Work/Learn Program: A model of patch dynamics and seed dispersal in the understory shrub *Lindera benzoin*. D. Wallace-Senft (Bennington College).
1991. Smithsonian Institution Work/Learn Program: A two-sex matrix model of the understory shrub *Lindera benzoin*. A. Mills (Hampshire College).
1990. Rutgers University Biomedical Careers Program. Effect of fruit nutrient chemistry on growth of fungal fruit rot agents. U. Rana (Rutgers University).