

# AMY N. WRIGHT

---

College of Agriculture, 107 Comer Hall  
Auburn University, AL 36849  
334.844.3254  
wrigham@auburn.edu

## EDUCATION

**Doctor of Philosophy in Horticultural Science. 2002.** North Carolina State University, Raleigh, NC.  
Dissertation title: The Physiology of Landscape Establishment of *Kalmia latifolia*.

**Master of Science in Horticulture. 1998.** Virginia Polytechnic Institute and State University,  
Blacksburg, VA. Thesis title: Influence of Lime and Micronutrient Amendments on Growth of  
Containerized Landscape Trees Grown in Pine Bark.

**Bachelor of Science in Chemistry, Minor in Biochemistry. 1996.** Virginia Polytechnic Institute and  
State University, Blacksburg, VA.

## POSITIONS HELD

**Associate Dean for Instruction. 2017 – present.** College of Agriculture, Auburn University, Auburn,  
AL.

*100% Administration.* 2017 – present.

**Interim Associate Dean for Instruction. 2016 – 2017.** College of Agriculture, Auburn University,  
Auburn, AL.

**Harry G. Ponder Professor. 2015 – 2018.** Department of Horticulture, Auburn University, Auburn,  
AL.

**Professor, Landscape Horticulture. 2013 – present.** Department of Horticulture, Auburn University,  
Auburn, AL.

*40% Instruction, 60% Research.* 2013 – 2017.

**Associate Professor, Landscape Horticulture. 2007 – 2013.** Department of Horticulture, Auburn  
University, Auburn, AL.

*40% Instruction, 60% Research.* October 2007 - 2013.

**Assistant Professor, Landscape Horticulture. 2002 – 2007.** Department of Horticulture, Auburn  
University, Auburn, AL.

*80% Instruction, 20% Research.* May 2002 – October 2007.

**Graduate Teaching Assistant. 1998 – 2001.** Department of Horticultural Science, North Carolina State  
University, Raleigh, NC. Courses taught: Plant Identification (Agriculture Institute), 2001; Nursery  
Management and Nursery Production, 2000; Ornamental Plant Identification I and II, 1998 - 2000.

**Graduate Teaching Assistant. 1997 – 1998.** Department of Horticulture, Virginia Polytechnic Institute  
and State University, Blacksburg, VA. Course taught: Indoor Plants, 1997-1998.

**Laboratory Assistant. 1993 – 1996.** Pesticide Residue Research Lab, Department of Biochemistry,  
Virginia Polytechnic Institute and State University, Blacksburg, VA.

HONORS AND AWARDS (\*Also appears in Contributions to Teaching and/or Contributions to Research)

- President-elect, Southern Region American Society for Horticultural Science. 2019 – 2020.
- Master of Ceremonies, Auburn University Faculty Awards Ceremony. 2017 – 2019.
- Vice President – Education Division, American Society for Horticultural Science. 2017 - 2019.
- Auburn University Office of Sustainability Spirit of Sustainability Award. 2017.
- North Central Regional Association of AES Directors Multistate Research Project of Excellence Award. 2017.
- LEAD21 Class XII. 2016 – 2017.
- American Society for Horticultural Science Extension Division Award\*. 2014.
- Southern Region American Society for Horticultural Science Blue Ribbon Extension Communications Award\*. 2014.
- Auburn University Graduate Student Council Outstanding Graduate Student Mentor. 2013.
- Auburn University College of Agriculture York International Scholars Program\*. 2012.
- Auburn University Academic Sustainability Programs Fall-line Workshop\*. 2012.
- Auburn University College of Agriculture Dean’s Grantsmanship Award. 2011.
- Auburn University Office of the Provost Faculty International Travel Grant\*. 2009.
- Auburn University College of Agriculture York International Scholars Program\*. 2009
- Auburn University College of Agriculture Dean’s Award for Teaching Excellence. 2005.
- Auburn University New Faculty Scholars Program\*. 2005.
- Auburn University Faculty Mentoring Program\*. 2002.
- North American Colleges and Teachers of Agriculture Graduate Student Teaching Award. 2001.
- N.C. State University Graduate Student Association Outstanding Teaching Assistant Award. 2001.

**CONTRIBUTIONS TO: TEACHING**

**COURSES TAUGHT (Last three years)**

<i>Year</i>	<i>Semester</i>	<i>Course</i>		<i>Lecture hrs</i>	<i>Lab hrs</i>	<i>Enrollment</i>	
<b>2013</b>	Summer	HORT 3000	Growth and Development of Horticultural Plants	3		13	
	Fall	HORT 3000	Growth and Development of Horticultural Plants	3		27	
		HORT 7010	Experimental Methods in Horticulture	3	1	15	
<b>2014</b>	Summer	HORT 3000	Growth and Development of Horticultural Plants	3		13	
		HORT 7040	Advanced Growth and Development of Horticultural Plants	3		9	
	Fall	HORT 3000	Growth and Development of Horticultural Plants	3		31	
		HORT 7010	Experimental Methods in Horticulture	3	1	11	
<b>2015</b>	Summer	HORT 3000	Growth and Development of Horticultural Plants	3		17	
	Fall	HORT 3000	Growth and Development of Horticultural Plants	3		40	
		HORT 7010	Experimental Methods in Horticulture	3	1	17	
<b>2016</b>	Fall	HORT 4980	Undergraduate Research		2	1	
	Spring	SUST 2000	Introduction to Sustainability Studies	3		40	
	Summer	HORT 4980	Undergraduate Research			2	2
		HORT 3000	Growth and Development of Horticultural Plants	3		11	
	Fall	HORT 4980	Undergraduate Research		3	1	
	HORT 3000	Growth and Development of Horticultural Plants	3		28		
		HORT 4980	Undergraduate Research		3	1	

**COURSES TAUGHT PREVIOUSLY (AU)**

Growth and Development of Horticultural Plants (HORT 3000) 2002 – 2016.  
 Advanced Growth and Development of Horticultural Plants (HORT 7040) 2008 – 2016.  
 Experimental Methods in Horticulture (HORT 7010) 2010 – 2016.  
 Plant Propagation (HORT 2240) 2002 – 2006.  
 Landscape Gardening (HORT 2210) 2003 – 2006.

**UNDERGRADUATE RESEARCH FELLOWS ADVISED**

- Lamb, Avery. 2015 – 2016. Auburn University Undergraduate Research Fellows Program. Rain garden performance in two AL soil types. (co-advise with Drs. Brantley and Howe, Department of Crop, Soil and Environmental Sciences) Outcomes of participation in this program include:
  - Lamb, A. 2016. Plant growth and physiology of rain garden plants in two soil types. Poster to be presented at Auburn University Undergraduate Research Forum.

- Lamb, A., E. Brantley, J. Howe, and A. Wight. 2016. Paper to be submitted for presentation and publication at Southern Nursery Association Research Conference.
- Ryan, Connor. 2014. Auburn University Undergraduate Research Fellows Program. Effect of production environment and fertilization on growth of juvenile *Sarracenia leucophylla* (white topped pitcher plant). Outcomes of participation in this program include:
  - Ryan, C. 2015. Selected for Mountain Crop Improvement internship at Mountain Horticultural Crops Research and Extension Center, Department of Horticulture, North Carolina State University. Internship awarded to two students.
  - Ryan, C. 2015. Poster presentation at Auburn University Undergraduate Research Forum.
  - Ryan, C. 2015. Second Place, Norman F. Childers M.S. Competition, American Society for Horticultural Science – Southern Region Annual Meeting. \$200.
  - C. Ryan and A. Wright. 2015. Effect of Production Environment and Fertilization on Growth of Juvenile *Sarracenia leucophylla*. HortScience 50:S22 (abstr.).
  - Ryan, Connor. 2014. First Place, Bryson L. James Student Competition, Southern Nursery Association Research Conference, B.S. category. \$500.
  - Ryan, C. and A. Wright. 2014. Overwintering Method Affects Growth of *Sarracenia leucophylla* (white topped pitcher plant). Proc. SNA Res. Conf. 59:8-10.
- Heffelfinger, A. 2010 – 2011. Auburn University Undergraduate Research Fellows Program. Hydroponic propagation of difficult-to-root plants. Outcomes of participation in this program include:
  - Development of hydroponic system for woody plant propagation and research subsequently used by a Horticulture Department graduate student as part of their thesis research.
- Griffin, W. 2006 – 2007. Auburn University Undergraduate Research Fellows Program. Propagation of native endangered Cahaba lily (*Hymenocallis coronaria*). Outcomes of participation in this program include:
  - Griffin, W. and A.N. Wright. 2007. Native habitat, cultural requirements, and growth characteristics of *Hymenocallis coronaria*, the Cahaba River Lily, a native Alabama species. Poster presentation at Auburn University Undergraduate Research Forum.
- Brooks, L. 2005 – 2006. Auburn University Undergraduate Research Fellows Program. Stem cutting propagation of herbs for the southeastern United States. Outcomes of participation in this program include:
  - International Plant Propagator's Society – Southern Region Vivian Munday Scholarship. 2005. Award to L.M. Brooks included \$1,500 and free registration at annual meeting.
  - Brooks, L.M. and A.N. Wright. 2006. Effect of Substrates and Cutting Type on Rooting of Stem Cuttings of *Rosmarinus officinalis* Tuscan Blue and *Thymus x citriodorus*. Oral presentation at Auburn University Undergraduate Research Forum.
  - Wright, A.N. and L.M. Brooks. 2006. Cutting type and substrate affect rooting of herb stem cuttings. Paper published as a part of the Proceedings of the Southern Nursery Association Annual Research Conference. (also appears in Contributions to Research)

#### GRADUATE STUDENTS ADVISED WHOSE WORK HAS BEEN COMPLETED

(Major advisor: 13; Co-chair, 1; Committee member: 17)

- Ramirez, M. 2018. (Committee member) Drought effects on carbon sequestration of loblolly pine. Master of Science, Forestry, Auburn University.
- Polozola, M. (Committee member). 2018. Fertilization methods for pecan. Doctor of Philosophy, Horticulture, Auburn University.
- Vaughan, M. (Committee member). 2018. Container geometry affects plant water relations in nursery production. Master of Agriculture, Horticulture, Auburn University.

- Devore, J. (Major advisor) 2017. Propagation of *Phlox pulchra*. Master of Agriculture, Horticulture, Auburn University.
- Gober, H. (Committee member). 2016. Stem cutting propagation of Aromi series deciduous azaleas. Master of Agriculture, Horticulture, Auburn University.
- Morash, J. (Major advisor). 2016. Flooding tolerance native plant species for use in rain gardens. Master of Science, Horticulture, Auburn University. Current position: Ph.D. student, University of Maryland.
- Abney, M. (Committee member). 2015. Pollutant removal by rain gardens in Alabama. Master of Agriculture, Crop, Soil and Environmental Science, Auburn University.
- Bartkowiak, S. (Committee member) 2015. Fertilization Effects on Water Use of 8-year-old Loblolly Pine (*Pinus taeda* L.) Vary with Throughfall Treatment. Master of Science, School of Forestry and Wildlife Sciences, Auburn University.
- Paris, K. 2013. (Committee member) Pollination biology of the Alabama native *Clematis morefieldii* (Morefield's leather flower). Master of Science, Department of Biological Sciences, Auburn University.
- Ogles, Z. 2013. (Committee member) Evaluation of hydrolyzed fish fertilizer as an organic alternative to chemical fertilizers in a yellow squash and collard rotation. Master of Science, Department of Horticulture, Auburn University. Current position: Research Agronomist, Tessengerlo Kerley, Inc.
- Price, J. 2013. (Co-chair) Green roof implementation in the southeastern US. Doctor of Philosophy, Department of Biology, University of Alabama Birmingham. Current position: Director of sustainability programs (Facilities) and Instructor for Environmental Science (Department of Biology) University of Alabama Birmingham.
- McCurdy, J. 2013. (Committee member) Development of sustainable weed control practices for the southern lawn. Doctor of Philosophy, Department of Agronomy and Soils, Auburn University. Current position: Assistant Extension Professor, Department of Plant and Soil Sciences, Mississippi State University.
- Lecompte, J. 2013. (Major advisor) Effects of irrigation water salinity on survival and growth of selected landscape and green roof plants. Master of Science, Department of Horticulture, Auburn University. Current position: R&D Manager, J. Berry Nurseries.
- Meder, A. 2013. (Major advisor) Flooding Tolerance and Phosphorus Uptake of Southeastern Native Plant Species. Master of Science, Department of Horticulture, Auburn University.
- Hunolt, A. 2012. (Committee member) Livestake establishment for streambank restoration. Master of Science, Department of Agronomy and Soils, Auburn University. Current position: Ph.D. Research Assistant, Department of Crop and Soil Environmental Sciences, Virginia Tech, Blacksburg, VA.
- McGrath, C. 2012. (Committee member) Organic production practices for lotus grown as a specialty food crop for Alabama farmers. Doctor of Philosophy, Department of Horticulture, Auburn University.
- Shevade, R. 2011. (Committee member) Effects of root pruning containers and traditional containers on growth of roots and shoots of selected landscape plants. Master of Science, Department of Horticulture, Auburn University.
- Meriwether, R. 2011. (Major advisor) Cooperative extension and propagation for Cano Negro, Costa Rica. Master of Science, Department of Horticulture, Auburn University. Current position: Independent Grower, North Carolina.
- Jernigan (Christian), K. 2010. (Major advisor) Nutrient uptake and plant selection in southeastern rain gardens. Master of Science, Department of Horticulture, Auburn University. Current position: Research Associate, Department of Crop, Soil and Environmental Sciences, Auburn University, Auburn AL.

- Bond, L. 2010. (Major advisor) Seed germination and growth requirements of selected wildflower species. Master of Science, Department of Horticulture, Auburn University.
- Werneth (Dylewski), K. 2010. (Major advisor) Effects of short interval cyclic flooding on growth and physiology of selected native shrubs. Master of Science, Department of Horticulture, Auburn University.
- Bailey (Griffin), A. 2009. (Major advisor) Using soil and root ball percent moisture to schedule irrigation for selected native landscape shrub species. Master of Science, Department of Horticulture, Auburn University.
- Hanes, S. 2009. (Major advisor) Effect of organic matter type on root growth on selected native landscape shrub species planted using a modified above grade planting technique. Master of Science, Department of Horticulture, Auburn University. Current Position: Technical Manager, Benary Seed.
- Dunnivant, W. 2008. (Committee member) Grooming frequency and groomer blade spacing effects on TifEagle bermudagrass. Master of Science, Department of Agronomy and Soils, Auburn University.
- McGrath, C. 2008. (Committee member) Organic vegetable and herb plug production. Master of Science, Department of Horticulture, Auburn University.
- Wilkin, M. 2007. (Major advisor) Effect of irrigation frequency of growth and physiology of native landscape shrubs species. Master of Science, Department of Horticulture, Auburn University. Current position: Risk Management Agent, USDA, Valdosta, GA.
- Guckenberger (Price), J. 2007. (Major advisor) Above-grade planting with organic matter improves post-transplant root and shoot growth and physiology of native shrubs. Master of Science, Department of Horticulture, Auburn University.
- Dansereau, K. 2007. (Committee member) Interdependence of cold and drought tolerance in citrus. Master of Science, Department of Horticulture, Auburn University.
- Johnson, C. 2006. (Committee member) Stem cutting propagation of native endangered *Clematis socialis* Kral. Master of Science Thesis, Auburn University.
- Chesnut, H. 2006. (Committee member) A study of chilling factors on taxa of Red Maple (*Acer rubrum* L. and *Acer xFreemanii* E. (Murray)). Master of Science Thesis, Auburn University.
- Jackson, B. 2005. (Major advisor) Cotton gin compost as an alternative substrate for horticultural crop production. Master of Science, Department of Horticulture, Auburn University. Current Position: Associate Professor, Department of Horticultural Science, North Carolina State University, Raleigh, NC.

GRADUATE STUDENTS CURRENTLY ADVISED WHOSE WORK HAS *NOT* BEEN COMPLETED

#### EXTERNAL READER

- ArchMiller, A. 2015. Temporal and spatial variation in longleaf pine soil respiration and its heterotrophic and autotrophic components. Ph.D. Dissertation. School of Forestry and Wildlife Sciences, Auburn University.
- Reynolds-Allie, K. 2013. Three essays on factors influencing the demand of local and international food products. Ph.D. Dissertation. Department of Agricultural Economics, Auburn University.
- Schmidt, C. 2011. The effects of dietary and skeletal calcium availability on reproductive performance of mammals. Ph.D. Dissertation. Department of Biological Sciences, Auburn University.

#### AWARDS TO UNDERGRADUATE STUDENTS ADVISED

- College of Agriculture Global Health Case Competition undergraduate student team. 2019. First place, Auburn University Global Health Case Competition. \$1500 (team award)
- Auburn University Hydro Think Tank student teams. 2018. First, second, and third place students (two in each category), Hydro Think Tank Competition. \$500, \$300, \$200 per student, respectively.

- Auburn University Campus Water Matters student team. 2017. Second Place, SEC Academic Conference Campus Water Matters student competition. \$2,500.
- Lamb, A. 2017. Second Place, J.B. Edmond B.S. Competition, American Society for Horticultural Science – Southern Region Annual Meeting. \$200.
- Lamb, A. 2016. First Place, Bryson L. James Student Competition, Southern Nursery Association Research Conference, B.S. category. \$500.
- Ryan, C. 2015. Vivian Munday Young Horticulture Professional Scholarship. Southern Region International Plant Propagators Society International (Covers costs to attend annual meeting).
- Ryan, C. 2015. Selected for Mountain Crop Improvement internship at Mountain Horticultural Crops Research and Extension Center, Department of Horticulture, North Carolina State University. Internship awarded to two students.
- Ryan, C. 2015. Second Place, Norman F. Childers B.S. Competition, American Society for Horticultural Science – Southern Region Annual Meeting. \$200.
- Ryan, C. 2014. First Place, Bryson L. James Student Competition, Southern Nursery Association Research Conference, B.S. category. \$500.
- Ryan, C. 2013. Central South Native Plant Conference Scholarship, Birmingham Botanical Garden (Covers cost of attending meeting).

#### AWARDS TO GRADUATE STUDENTS ADVISED (major advisor)

- Hoppers, A. 2016. Honorable Mention, Auburn University College of Agriculture Graduate Student Poster Competition. (Committee member but directed this research)
- DeVore, J. 2015. Central South Native Plant Conference Scholarship, Birmingham Botanical Garden (Covers cost of attending meeting).
- DeVore, J. 2015. Vivian Munday Young Horticulture Professional Scholarship. Southern Region International Plant Propagators Society International (Covers costs to attend annual meeting).
- DeVore, J. 2014. Blanche E. Dean Alabama Wildflower Society Scholarship. \$1,000.
- DeVore, J. 2014. Vivian Munday Young Horticulture Professional Scholarship. Southern Region International Plant Propagators Society International (Covers costs to attend annual meeting).
- LeCompte, J. 2013. Central South Native Plant Conference Scholarship, Birmingham Botanical Garden (Covers cost of attending meeting).
- LeCompte, J. 2013. Southern Region International Plant Propagators Society International Young Propagator Exchange Program. (Covers cost of 2 week study tour in UK). First ever awarded.
- DeVore, J. 2013. Central South Native Plant Conference, Birmingham Botanical Garden (Covers cost of attending meeting).
- DeVore, J. 2013. Vivian Munday Young Horticulture Professional Scholarship. Southern Region International Plant Propagators Society International (Covers costs to attend annual meeting).
- Meder, A. 2013. Graduate Student Women of Distinction Leadership Award. Auburn University Women's Resource Center. Only one awarded each year.
- LeCompte, J. 2012. Southern Region International Plant Propagators Society student paper competition. Paper selected as one of two for oral presentation at annual meeting. Second place overall. \$500.
- LeCompte, J. 2012. GIE Media Horticultural Young Industry Leader Scholarship. \$5,000. Only two awarded nationally each year.
- Price, J. 2012. Third place (in section), University of Alabama Birmingham (UAB) Graduate Student Research Days.
- Price, J. 2012. Third place, Warren S. Barham Ph.D. Graduate Student Paper Competition. American Society for Horticultural Science—Southern Region Annual Meeting. \$100
- LeCompte, J. 2012. Catherine H. Beattie Fellowship. Center for Plant Conservation. \$4,000

- Meder, A. 2012. Corliss Knapp Engle Scholarship in Horticulture. Garden Club of America. \$2,000.
- Meder, A. 2012. Alabama Nursery and Landscape Association (ALNLA) Scholarship. \$1,000
- LeCompte, J. 2011. ALNLA Scholarship. \$1,000
- Price, J. 2010. Sigma Xi Grants in Aid of Research. \$1,000
- Price, J. 2010. Birmingham Audubon Society Walter F. Coxe Research Fund. \$1,000.
- Price, J. 2010. Alabama Wildflower Society. \$2,500
- Meriwether, R. 2010. Cullowee Native Plant Conference Graduate Student Scholarship. \$600.
- Meriwether, R. 2010. Invited Poster, Cullowee Native Plant Conference
- Price, J. 2000. Alabama Wildflower Society. \$2,000
- Werneth, K. 2009. Third Place, Norman F. Childers M.S. Competition, American Society for Horticultural Science – Southern Region Annual Meeting. \$100.
- Bond, L. 2009. ALNLA Scholarship. \$1,000
- Bailey, A. 2009. ALNLA Scholarship. \$1,000
- Werneth, K. 2009. ALNLA Scholarship. \$1,000
- Hanes, S. 2009. ALNLA scholarship. \$1,000
- Bond, L. 2009. Alabama Wildflower Society. \$1,000.
- Bond, L. 2008. Southern Nursery Association Sydney B. Meadows Scholarship. \$2,500.
- Guckenberger, J. 2008. First Place, Norman F. Childers M.S. Competition, American Society for Horticultural Science – Southern Region Annual Meeting. \$300.
- Werneth, K.L. 2007. International Plant Propagator's Society – Southern Region Vivian Munday Scholarship. \$1,500 and free registration at annual meeting.
- Guckenberger, J. 2007. Third Place, Poster Competition, Auburn University Graduate Student Research Forum. \$50.
- Guckenberger, J. 2007. Third Place, Norman F. Childers M.S. Competition, American Society for Horticultural Science – Southern Region Annual Meeting. \$100.
- Guckenberger, J. 2006. Second Place, Bryson L. James Student Competition, Southern Nursery Association Research Conference, M.S. category. \$400.
- Jackson, B. 2005. National Association of Colleges and Teachers of Agriculture Graduate Student Teaching Award. National graduate student teaching award; first and only time a graduate student at Auburn University has received this award.
- Jackson, B. 2005. First Place, Bryson L. James Student Competition, Southern Nursery Association Research Conference, M.S. category. \$500.
- Jackson, B. 2005. Southern Nursery Association Sydney B. Meadows Scholarship. \$2,500.
- Jackson, B. 2004. Third Place, Bryson L. James Student Competition, Southern Nursery Association Research Conference, M.S. category. \$200.

#### COURSES AND CURRICULA DEVELOPED

##### HORT 7010 Experimental Methods in Horticulture

Students in this course gain experience with making and giving poster and PowerPoint presentations, writing a literature review, abstract, materials and methods, CV, scientific papers, and extramural grant proposal (including all associated forms), statistical analysis, international program development, citation management, and research techniques across diverse areas in horticulture.

##### HORT 7040 Advanced Growth and Development of Horticultural Plants

Format focuses on journal article review and critique in both written and oral presentation format. Class is discussion-based and provides an opportunity for students in different areas of horticulture research to interact and discuss their research. Topics covered include a wide range of advanced plant physiology



subjects. Course also includes lab and field research demonstrations which illustrate concepts and topics covered in class discussions.

#### HORT 3000 Growth and Development of Horticultural Plants

Course was revised in 2012 to include sustainability topics related to horticulture and plant physiology. Sustainability topics include invasive plants, native plants, AL ecosystems, phytoremediation, Low Impact Development, and green roofs. Revision was result of selection for participation in the Office of Academic Sustainability Fall-line Workshop. Incorporated and new written assignment in 2012 to support the Writing in the Majors Program, Office of University Writing and to integrate plant physiology, horticulture, and sustainability.

#### GRANTS RECEIVED RELATED TO TEACHING (also appear in Contributions to Research)

(\*graduate student, \*\*undergraduate student)

- **Wright, A.N.** 2017. FACETS: Faculty acting collaboratively to enhance teaching in STEM. Auburn University Office of University Writing ePortfolio Grant. \$3,000.
- Ryan, C.\*\* and **A.N. Wright**. 2014. Production of *Sarracenia leucophylla*. Auburn University Undergraduate Research Fellowship Program. \$2,000.
- **Wright, A.N.** 2012. Tropical Native Plant Propagation, Production, and Use in Costa Rica. College of Agriculture York International Scholars Program. \$7,712
- **Wright, A.N.**, J.R. Robbins, M. Gu, and K.M. Tilt. 2010. Creating Virtual Nursery Trips to Improve On-Campus and Distance Education in Nursery Production. NIFA Higher Education Challenge Grants Program. \$307,356.
- Heffelfinger, A.\*\* and **A.N. Wright**. 2010. Hydroponic propagation of difficult-to-root plants. Auburn University Undergraduate Research Fellowship Program. \$1,400.
- **Wright, A.N.** 2010. Development of research and educational opportunities in Northern Costa Rica. Auburn University Faculty International Travel Grant. \$5,000.
- Meriwether, R.\* and **A.N. Wright**. 2009. Native Plant Propagation in Costa Rica. College of Agriculture York International Scholars Program. \$3,790.
- Robinson, C.W., **A. Wright**, B. Clendenen, and R. Kessler. 2007. Horticulture Study Abroad Program in England. Auburn University Daniel F. Breeden Endowment for Faculty Advancement. \$2,000.
- Griffin, W.\*\* and **A.N. Wright**. 2006. Propagation of native endangered Cahaba lily. Auburn University Undergraduate Research Fellowship Program. \$1,400.
- Brooks, L.\*\* and **A.N. Wright**. 2005. Stem cutting propagation of herbs for the southeastern United States. Auburn University Undergraduate Research Fellowship Program. \$1,400.
- **Wright, A.N.** 2004. Study tour of public and private gardens in southern England. International Scholars Program, Auburn University College of Agriculture. \$1,430

#### GRANTS SUBMITTED RELATED TO TEACHING (also appear in Contributions to Research)

- **Wright, A.N.**, M. Marshall, C. Arias, D. Wells, T. Knappenburger. 2017. FACETS: Faculty acting collaboratively to enhance teaching in STEM. NSF IUSE:EHR. \$2,866,836

#### PUBLICATIONS RELATED TO TEACHING (Also appear in Contributions to Research)

(\*graduate student)

- **Wright, A.** 2019. Undergraduate research opportunities for students in the College of Agriculture at Auburn University. HortScience 54:SXXX (in press).
- **Wright, A.** 2018. High impact learning experiences for students in the College of Agriculture at Auburn University. HortScience 53:SXXX (in press).
- **Wright, A.**, M. Gu, and J. Robbins. 2015. Virtual Nursery Field Trip (VNFT) Use by Horticulture Instructors in Nursery Production and Related Courses. HortScience 50:S273 (abstr.).

- **Wright, A.**, M. Gu, and J. Robbins. 2015. Evaluation and Use of the Virtual Nursery Field Trip (VNFT) by Horticulture Instructors. HortScience 50:S47 (abstr.).
- **Wright, A.**, J. Robbins, and M. Gu. 2014. Virtual Nursery Field Trips. <http://vnft.ag.auburn.edu>
- Robbins, J., M. Gu, and **A. Wright**. 2014. Don't try this at home: creating videos to improve on-campus education in nursery production. HortScience 49:S26 (abstr.)
- **Wright, A.**, J. Robbins, and M. Gu. 2013. Virtual nursery field trips to improve instruction in nursery production. NACTA J. 57 (supplement 1):105 (abstr.)
- Robbins, J., **A. Wright**, and M. Gu. 2013. Creating virtual nursery trips to improve on-campus and distance education in nursery production. HortScience 48:S201 (abstr.)
- **Wright, A.**, J. Robbins, and M. Gu. 2012. Creating virtual nursery trips to improve on-campus and distance education in nursery production. NACTA J. 56 (supplement 1):90. (abstr.)
- **Wright, A.N.**, J.A. Robbins, and M. Gu. 2010. Course content and attitudes toward instructional multimedia use in nursery management and production courses in the United States. HortTechnology 20:646-651.
- **Wright, A.N.**, M. Gu, and J. Robbins. 2009. Faculty indicate need for instructional multi-media resources for use in teaching nursery production. HortScience 44:1136. (abstr.)
- Bond, L.\*, C.W. Robinson, **A.N. Wright**, J.L. Sibley, and D.J. Eakes. 2008. Undergraduate international opportunities: two approaches. HortScience 43:1170. (abstr.)
- Robinson, C.W., L. Waters, Jr., and **A.N. Wright**. 2008. International travel preferences of undergraduate and graduate horticulture students. HortScience 43:604. (abstr.)
- Robinson, C.W., Waters, L., and **A.N. Wright**. 2007. Understanding the international travel views of undergraduate students related to horticultural opportunities. HortScience 42:894. (abstr.)
- **Wright, A.N.**, J.L. Sibley, L. Waters, D. Williams, and J. Eakes. 2006. International Opportunities in Horticulture at Auburn University. HortScience 41:975. (abstr.)

#### INTERNATIONAL ACTIVITIES

College of Agriculture 3+2 Graduate Student Program – China Agricultural University. 2013 – 2017.

- Department coordinator for 3+2 agreements and activities with China Agricultural University, Northwest Agriculture and Forestry University, and Beijing Forestry University (in preparation). Developed program requirements and point of contact person for the department. Supervise drafting and finalizing agreement signed by Horticulture administrators. Responsible for receiving and reviewing applications from 3+2 students, setting up interviews, matching students with advisors, and assisting with the acceptance of students. Hosted (in part) eight student and two faculty visitors to AU College of Agriculture from China Agricultural University in 2015 and 2016. Coordinated group meeting with visitors with Horticulture department faculty and graduate students and tour of Horticulture teaching and research projects.
- Traveled to CAU in Fall 2013 as representative of AU Horticulture Department to meet with faculty and recruit graduate students. Presented seminar on graduate student opportunities in Department of Horticulture.

#### Research and Education in Costa Rica

- Research and educational tours in Northern Costa Rica were conducted for AU horticulture graduate students in 2012, 2010, and 2009. Tours and research focused on native plant propagation, biodiversity, conservation, and native plant incorporation in the landscape. Institutions involved include Universidad Nacional Sarapiquí (National University Sarapiquí campus), InBio (National Biodiversity Institute), and La Selva Biological Station (Organization for Tropical Studies). (Also appear in Contributions to Research)

Henry P. Orr Endowment Fund for International Horticulture Opportunities

- Organized and lead group of five undergraduate horticulture students and one graduate student on an eight-day study tour of gardens and horticulture production areas in southern Spain. 2009.
- Accompanied a group of seven undergraduate horticulture students on a 10-day study tour of gardens and horticulture production areas in northern Italy under the direction of Dr. Ken Tilt. 2008.
- Organized and led a group of five horticulture students, one graduate student, and one other faculty member on an eight-day horticultural study tour of gardens, horticulture production facilities, and natural areas of Costa Rica. 2005.
- Accompanied a group of five undergraduate horticulture students on a 10-day study tour of gardens in London and southern England under the direction of Dr. Dave Williams. 2004.

#### Horticulture Study Abroad

- Participated six week study abroad program at Myerscough College in England. 2005, 2007. Planned and accompanied horticulture students on weekend trips, participated in classes, and served as Auburn University faculty advisor for one week during each study abroad. Developed PowerPoint lecture slides for use by the instructor teaching Growth and Development of Horticultural Plants (HORT 3000).

#### STUDENT ORGANIZATION ADVISING

Co-advisor (2016 – present). Auburn University College of Agriculture Ag Ambassadors.

Co-advisor (2003 – 2015). Auburn University Student Chapter of PLANET (Professional Landcare Network), an undergraduate horticulture student club with professional development, service, and educational events throughout fall and spring semesters. Students also compete nationally each year in the PLANET Student Career Days (SCD) competition.

Activities include:

- Accompany students (approximately 25) to the PLANET SCD national competition. Columbus, OH (2004), College Park, MD (2005), Provo, UT (2006), East Lansing, MI (2007), Atlanta, GA (2008), Pomona, CA (2009), Atlanta, GA (2010), Manhattan, KS (2012), Auburn, AL (2013), Fort Collins, CO (2014), Raleigh, NC (2015).
- Assist with pre-SCD arrangements including collecting student resumes and pictures and assembling a resume book to pass out to industry at this event.
- Directly assisted in planning for Auburn University to host PLANET SCD in March 2013.

#### OTHER CONTRIBUTIONS TO TEACHING (\*Also appears in Contributions to Service)

- Office of University Writing Academy for Writing: High Impact Practices. 2019 – 2020. Co-developed two-year academy for faculty in the College of Agriculture to incorporate high impact practices and reflective writing into their courses.
- Auburn University ePortfolio Assessment Workshop. 2018.\*
- University Quality Assessment Practice Working Group. 2015.\*
- Undergraduate research program efforts in Horticulture featured in Auburn University's *This is Auburn* marketing campaign. 2013.
- Academic Sustainability Committee. 2012 – 2017.\*
- University Graduation Committee. 2003 – 2012. 2013 – 2017.\*
- College of Agriculture E.T. York Lecture Committee. 2004 – 2013.\*
- Auburn University Senate University Writing Committee. 2012 – 2015.\*
- Auburn University Academic Sustainability Programs Fall-line Workshop. 2012. Selected to participate in two-day workshop designed to facilitate revision of existing course to include a sustainability component.
- Horticulture Department SACS Assessment Committee. Co-Chair 2009 – 2011, Chair 2012 – present. Oversee the development of the department's assessment of teaching and learning plan. Develop learning outcomes, conduct assessment, analyze results, and develop strategies to improve student learning. Prepare annual reports for SACS.\*

- Panelist, College of Agriculture Panel discussion on SACS Assessment of student learning. 2009. Presented plan for assessment being developed by Department of Horticulture.\*
- Gamma Sigma Delta, The Honor Society of Agriculture, Auburn University Chapter. Secretary 2003 – 2006. President 2006 – 2009. Historian 2009 – current.\*
- Member, J. Creighton C. Miller Distinguished Educator Award Committee, Southern Region American Society for Horticultural Science (SRASHS) Annual Meeting. 2007 – 2010. Chair, 2010.
- Chair, Education Section, SRASHS Annual Meeting. 2008.
- Auburn University Biggio Center New Faculty Scholars (NFS) Program. 2007 – 2008. Colleague Circle Facilitator. Organize discussion and learning sessions for untenured faculty participating in the NFS program.\*
- Auburn University Biggio Center NFS Program. 2005 – 2006. Participant in year-long program that included small group mentoring by senior faculty, weekend portfolio and course development retreats, and seminars.
- Member/Reviewer, Southern Nursery Association Sydney B. Meadows Scholarship Committee. 2005-2007.\*
- North American Colleges and Teachers of Agriculture Journal Awards Committee. 2002 – 2009.\*

NIFA Higher Education Challenge Grants Program: Creating Virtual Nursery Trips to Improve On-Campus and Distance Education in Nursery Production.

A national survey conducted in 2009 of instructors of nursery production indicated a need for multimedia resources to supplement in-class instruction and field trips. Finances, logistics, and geography limit the scope of nursery production operations that students can view on field trips. The objective of this project was to document nursery production operations with video footage and create virtual nursery trips to improve on-campus and distance education in nursery production. For the first year of this project, digital HD video footage was captured at nurseries around the country. From Oct. 2010 to Nov. 2011, video footage was collected using a professional videographer at 42 nursery businesses in 22 states. Total travel included 65 days over 18 trips covering almost 43,000 miles. Almost 25GB or approximately 26 h of video footage was collected. Video footage collected was inventoried and archived, and appropriate clips were selected for inclusion in final product. Video footage selected for each topic was edited together by the videographer. Narration for selected video footage was written, and a professional narrator recorded all narration for each topic. In the final product, videos were arranged by topic for a total of 20 “chapters”. Video segments within each chapter or topic range from a few seconds to several minutes. The finished product, the Virtual Nursery Field Trip (VNFT) is contained on a single USB drive and includes 444 individual topic videos (total time about 10.75 h) and 28 company profiles for a total size of 29GB. USB drives containing all videos and company profiles were provided in Spring 2013 to instructors of horticulture at over 100 land grant institutions (1862, 1890, and 1994) who submitted a request form. During the final year, effectiveness of these videos for improving instruction is being evaluated. Also during the final year, online posting of videos has been completed <http://vnft.ag.auburn.edu> The VNFT was the recipient of two awards in 2014: American Society for Horticultural Science Extension Division Award and the Southern Region American Society for Horticultural Science Blue Ribbon Extension Communications Award.

Donald E. Davis Arboretum Plant Database Project (Also appears in Contributions to Outreach) Working with computer technology personnel in College of Agriculture, and arboretum staff, an online database of plants contained in the arboretum was developed. Data entry was supervised by an undergraduate horticulture student (supervised a directed study) in 2010, and in 2014, a horticulture graduate student has updated this. Database includes information and images and is currently being expanded by arboretum staff. <https://apps.acesag.auburn.edu/projects/plants/>

## STATEMENT OF TEACHING PHILOSOPHY AND SELF-EVALUATION

Being an effective teacher requires effort to not just present material one-way but to engage students in the learning process. This engagement comes from many directions through a variety of techniques. It is my goal in my courses to not simply get the students thinking about a subject, but to get them thinking critically about it. I think the quality of learning and the length of retention and assimilation is higher if the student is thoughtful about the knowledge they are pursuing and not just trying to memorize facts. One way to promote this type of comprehension is by providing “real world” and practical application particularly for complex topics. When students understand why a topic is important or how to use the knowledge, I find this motivates them to learn, not just for the class, but for themselves. I also enjoy the challenge of trying to get students, particularly undergraduate students, interested in the complex topics of plant physiology. This is an area that many students may not think immediately applies to them, so it’s rewarding to work to impart an appreciation for this subject. Additionally, I find that when students can actually ask questions themselves about a topic, this deepens understanding and personal investment in the subject matter. I always make sure they feel comfortable asking any question, and I challenge them to do that frequently. A question from just one student can improve the learning of the whole class. I also think it’s important for students to try to apply their knowledge by being observant of the natural environment and their surroundings and attempting to explain what they see in plants in real life based on what they’ve learned in class. It’s easy to get lost in the detail of a plant cell, so it always helps to pull back and see the larger picture (or leaf or whole plant) and application of those processes and principles. That’s when students can see the intersection of basic plant physiology and applied horticulture. Likewise, two of the most important skills a student can gain from their education are critical thinking and problem solving skills. These go hand in hand with any subject. I have incorporated horticulture-related sustainability topics into plant physiology to get students thinking about current issues and resource conservation as they relate to horticulture. Finally, writing proficiency is an invaluable skill that a student will use their entire life. The ability to write in ways that comply with a particular discipline is extremely useful for a student, and strong written communication skills in general will serve a student well.

## CONTRIBUTIONS TO: RESEARCH

---

For all publications (including abstracts and proceedings) the first author listed made the largest contribution (> 60% contribution in all aspects of research and preparation) and receives the most credit for that publication. Other authors are listed in descending order of contribution. When the first author listed is a graduate or undergraduate student, the second author listed receives the highest credit.

### ARTICLES PUBLISHED IN REFEREED JOURNALS (27)

(\*graduate student)

- Brantley, A.\* , J. Spiers, A. Thompson, J. Pitts, R. Kessler, **A. Wright**, and E. Coneva. 2019. Effective pollination period of *Actinidia chinensis* ‘AU Golden Sunshin’ and *A.deliciosa* ‘AU Fitzgerald’ kiwifruit. HortScience 54:656-660.
- LeBleu, C., M. Dougherty, K. Rahn, **A. Wright**, R. Bowen, R. Wang, J.A. Orjuela, and K. Britton. 2019. Quantifying thermal characteristics of stormwater through low impact development systems. Hydrology 6: 16. <https://doi.org/10.3390/hydrology6010016>
- Brantley, A.K.\* , J.D. Spiers, A.B. Thompson, J.A. Pitts, J.R. Kessler, **A. Wright**, and E. Coneva. 2018. Evaluating the length of time that kiwifruit flowers can be successfully pollinated. Acta Horticulturae 1218:139-142.
- Jackson, B.E.\* , **Wright, A.N.**, and J. Kemble. 2018. Harvest yields of greenhouse tomatoes grown in pine bark amended cotton gin compost. Symposium on Growing Media, Soilless Cultivation, and Compost Utilization in Horticulture. Acta Horticulturae (in press)
- Traore, T.M., D. Fields, F.M. Woods, **A.N. Wright**, K.M. Tilt, W. Ke, and Y. Liu. 2016. Prescreening consumer acceptance for edible lotus rhizome. HortTechnology 26:657-662.
- Paris, K.J.\* , K. Burgess, **A.N. Wright**, and R.S. Boyd. 2016. Impact of insecticide treatment on herbivory and reproductive success of the federally endangered plant *Clematis morefieldii* Kral. Castanea 80:229-242.
- LeCompte, J.S.\* , **A.N. Wright**, C.M. LeBleu, J.R. Kessler. 2016. Saline Irrigation Affects Growth and Leaf Tissue Nutrient Concentration of Three Native Landscape Plant Species. HortTechnology 26:309-313.
- Paris, K.J.\* , K. Burgess, **A.N. Wright**, and R.S. Boyd. 2016. Reproductive biology of the federally endangered *Clematis morefieldii* Kral (Ranunculaceae). Castanea 81:175-187.
- Ogles, C.Z., J.M. Kemble, **A.N. Wright**, and E.A. Guertal. 2015. Evaluation of an Organic Nitrogen Source in a Yellow Squash–Collard Rotation. HortScience 50:51-58.
- Hunolt, A.\* , E. Brantley, J. Howe, **A. Wright**, and W. Wood. 2013. Comparison of native woody species for use as live stakes in streambank stabilization in the southeastern USA. J. Soil Water Cons. 69:384-391.
- Christian, K.J.\* , **A.N. Wright**, J.L. Sibley, E.F. Brantley, J.A. Howe, M. Dougherty, and C. LeBleu. 2012. Effect of phosphorus concentration on growth of *Muhlenbergia capillaris* in flooded and non-flooded conditions. J. Environ. Hort. 30:219-222.
- Dylewski, K.L.\* , **A.N. Wright**, K.M. Tilt, and C. LeBleu. 2012. Effect of previous flood exposure on flood tolerance and growth of three landscape shrub taxa subjected to repeated short-term flooding. J. Environ. Hort. 30:58-64
- Jernigan, K.J.\* and **A.N. Wright**. 2011. Effect of repeated short interval flooding events on root and shoot growth of four landscape shrub taxa. J. Environ. Hort. 29:220-222.
- Price, J.G.\* , S.A. Watts, **A.N. Wright**, R.W. Peters, and J.T. Kirby. 2011. Irrigation lowers substrate temperature and enhances survival of plants on green roofs in the southeastern U.S. HortTechnology 21:586-592. (equal contribution from Watts and Wright)
- Price, J.G.\* , **A.N. Wright**, R.S. Boyd, and K.M. Tilt. 2011. Above-grade planting with organic matter improves post-transplant growth of two native shrub species. HortTechnology 21:520-524.
- Dylewski, K.L.\* , **A.N. Wright**, K.M. Tilt, and C. LeBleu. 2011. Effects of short interval cyclic flooding on growth and survival of three native shrubs. HortTechnology 21:461-465.

- Griffin, A.B.\*, **A.N. Wright**, K.M. Tilt, and D.J. Eakes. 2010. Post-transplant irrigation scheduling for two native deciduous shrub taxa. *HortScience* 45:1620-1625.
- **Wright, A.N.**, J.A. Robbins, and M. Gu. 2010. Course content and attitudes toward instructional multimedia use in nursery management and production courses in the United States. *HortTechnology* 20:646-651.
- Price, J.G.\*, **A.N. Wright**, K.M. Tilt, and R.S. Boyd. 2009. Organic matter application improves posttransplant root growth of three native woody shrubs. *HortScience* 44:377-383.
- **Wright, A.N.**, R.D. Wright, J.F. Browder, and B.E. Jackson\*. 2007. Effect of backfill composition on post-transplant root growth of *Kalmia latifolia*. *Journal of Environmental Horticulture* 25:145-149.
- **Wright, A.N.**, S.L. Warren, and F.A. Blazich. 2007. Root-zone temperature influences root growth of *Kalmia latifolia* taxa and *Ilex crenata* ‘Compacta’. *Journal of Environmental Horticulture* 25:73-77.
- Jackson, B.E.\*, **A.N. Wright**, J.L. Sibley, and J.M. Kemble. 2005. Root growth of three horticultural crops grown in pine bark amended cotton gin compost. *Journal of Environmental Horticulture* 23:133-137.
- Jackson, B.E.\*, **A.N. Wright**, D.M. Cole, and J.L. Sibley. 2005. Cotton gin compost as a substrate component in container production of nursery crops. *Journal of Environmental Horticulture* 23:118-122.
- **Wright, A.N.**, S.L. Warren, F.A. Blazich, J. Roger Harris, and R.D. Wright. 2005. Initial plant size and landscape exposure affect establishment of transplanted *Kalmia latifolia* ‘Olympic Wedding’. *Journal of Environmental Horticulture* 23:91-96.
- **Wright, A.N.** and R.D. Wright. 2004. The Horhizotron™: a new instrument for measuring root growth. *HortTechnology* 14:560-563.
- **Wright, A.N.**, S.L. Warren, F.A. Blazich, and U. Blum. 2004. Root and shoot growth periodicity of *Kalmia latifolia* ‘Sarah’ and *Ilex crenata* ‘Compacta’. *HortScience* 39:243-247.
- **Wright, A.N.**, A.X. Niemiera, J.R. Harris, and R.D. Wright. 1999. Micronutrient fertilization of woody seedlings essential regardless of pine bark pH. *Journal of Environmental Horticulture* 17:69-72.
- **Wright, A.N.**, A.X. Niemiera, J.R. Harris, and R.D. Wright. 1999. Preplant lime and micronutrient amendments to pine bark affect growth of seedlings of nine container-grown tree species. *HortScience* 34:669-673.

#### PAPERS PUBLISHED IN PEER REVIEWED PUBLICATIONS

- Brantley, E., K. Dylewski, K. Christian, **A. Wright**, and C. LeBleu. 2013. Stormwater and Streams – Understanding Opportunities to Improve, Involve, and Evolve. In: *Auburn Speaks: Water*. Auburn University Office of the Vice President for Research.

#### PUBLISHED ABSTRACTS (58)

(\*graduate student, \*\*undergraduate student)

- **Wright, A.** 2019. Undergraduate research opportunities for students in the College of Agriculture at Auburn University. *HortScience* 54:SXXX (in press).
- **Wright, A.** 2018. High impact learning experiences for students in the College of Agriculture at Auburn University. *HortScience* 53:S466 (abstr.)
- Lamb, A.\*\*, **A. Wright**, R. Kessler, E. Brantley, and J. Howe. 2017. Growth and Physiology of Three Native Landscape Plant Species in Two Southeastern U.S. Soil Types. *HortScience* 52:S16 (abstr.)
- Gober, H.\*, **A. Wright**, J. Eakes, and R. Kessler. 2016. Stem Cutting Propagation of Aromi Series Deciduous Azaleas. *HortScience* 51:S45 (abstr.)

- Morash, J.\*, **A. Wright**, and R. Kessler. 2016. Tolerance of Three Native Herbaceous Perennials to Repeated Short-Interval Flooding. *HortScience* 51:S46 (abstr.)
- Polozola II, M.F.\*, D.E. Wells, W.G. Foshee, J.R. Kessler and **A.N. Wright**. 2016. Short Term Effects of Phosphorus Banding on Pecan (*Carya illinoensis* (Wangenh.) K. Koch) Production. *HortScience* 51:S (missing)
- Brantley, A.K.\*, J.D. Spiers, A.B. Thompson, E. Coneva, J. R. Kessler, Jr. and **A.Wright**. 2016. The Effective Pollination Period of ‘AU Golden Sunshine’ (*Actinidia chinensis*) and ‘AU Fitzgerald’ (*Actinidia deliciosa*). *HortScience* 51:S (missing)
- Brantley, A.K.\*, J.D. Spiers, A.B. Thompson, E. Coneva, J. R. Kessler, Jr. and **A.Wright**. 2016. The Effective Pollination Period of ‘AU Golden Sunshine’ (*Actinidia chinensis*) and ‘AU Fitzgerald’ (*Actinidia deliciosa*). *HortScience* 51:S99
- **Wright, A.**, M. Gu, and J. Robbins. 2015. Virtual Nursery Field Trip (VNFT) Use by Horticulture Instructors in Nursery Production and Related Courses. *HortScience* 50:S273 (abstr.).
- **Wright, A.** 2015. 2015. Identification of landscape plant species for use in rain gardens. *HortScience* 50:S83 (abstr.).
- **Wright, A.**, M. Gu, and J. Robbins. 2015. Evaluation and Use of the Virtual Nursery Field Trip (VNFT) by Horticulture Instructors. *HortScience* 50:S47 (abstr.).
- Morash, J.\* and **A. Wright**. 2015. Flooding Tolerance of Two Landscape Shrubs (*Illicium floridanum* and *Morella cerifera*) for Use in Raingardens. *HortScience* 50:S23 (abstr.).
- C. Ryan\*\* and **A. Wright**. 2015. Effect of Production Environment and Fertilization on Growth of Juvenile *Sarracenia leucophylla*. *HortScience* 50:S22 (abstr.).
- DeVore, J.J.\*, **A.N. Wright**, D.J. Eakes, J.R. Kessler, and G.B. Fain. 2015. Stem Cutting Propagation and Subsequent Growth of Alabama Phlox (*Phlox pulchra* W.). *HortScience*50:S47 (abstr.).
- DeVore, J.J.\*, **A.N. Wright**, R. Kessler, and D.J. Eakes. 2014. Cutting type and hormone affect vegetative propagation of *Phlox pulchra*. *HortScience* 49:S282 (abstr.)
- Meder, A.\* and **A. Wright**. 2014. Phosphorus uptake and flooding tolerance of three native landscape plant species. Proc. 2014 Alabama Water Resources Res. Conf., Orange Beach, AL.
- Sluznis, R.\*, **A. Wright**, and C. LeBleu. 2014. Greywater irrigation of two herbaceous landscape plant species. *HortScience* 49: S55 (abstr.)
- Ogles, C.Z.\*, J.M. Kemble, **A.N. Wright**, and E.A. Guertal. 2014. Evaluation and economics of an organic nitrogen source in a yellow squash - collard rotation. *HortScience* 49: S55 (abstr.)
- Robbins, J., M. Gu, and **A. Wright**. 2014. Don’t try this at home: creating videos to improve on-campus education in nursery production. *HortScience* 49:S26 (abstr.)
- Meder, A.\* and **A. Wright**. 2014. Phosphorus uptake and flooding tolerance of three native landscape plant species. *HortScience* 49: S58 (abstr.)
- C.Z. Ogles\*, J.M. Kemble, **A.N. Wright**, and E.A. Guertal. 2013. Evaluation of an Organic Nitrogen Source in a Yellow Squash–Collard Rotation. *HortScience* 48:S18 (abstr.)
- **Wright, A.**, J. Robbins, and M. Gu. 2013. Virtual nursery field trips to improve instruction in nursery production. *NACTA J.* 57 (supplement 1):105 (abstr.)
- Robbins, J., **A. Wright**, and M. Gu. 2013. Creating virtual nursery trips to improve on-campus and distance education in nursery production. *HortScience* 48:S201 (abstr.)
- Paris, K.\*, R. Boyd, **A. Wright**, and K. Burgess. 2013. Reproductive attrition of *Clematis morefieldii*, a federally endangered plant. *Bot. Soc. of Am. Abstr.* 505
- Meder, A.\* and **A. Wright**. 2013. Phosphorus uptake by two southeastern native plant species in flooded and non-flooded bioretention substrates. *HortScience* 48:S19 (abstr.)
- LeCompte, J.\*, **A. Wright**, J. Kessler, and C. LeBleu. 2013. Saline irrigation of selected annual bedding plants for the southeastern United States. *HortScience* 48:S20 (abstr.)



- Ogles, C.\*, J. Kemble, **A. Wright**, and E. Guertal. 2013. Evaluation of an organic nitrogen source in a yellow squash – collard rotation. *HortScience* 48:S18 (abstr.)
- Lebleu, C., J. LeCompte\*, R. Sluznis\*, and **A. Wright**. 2012. Greywater irrigation of six diverse southeastern U.S. landscape plant species. Bays and Bayou Symposium, Biloxi, MS.
- LeCompte, J.\*, **A. Wright**, and C. LeBleu. 2012. Saline irrigation of five diverse landscape species for the southeastern United States. Proc. 2012 Alabama Water Resources Res. Conf., Orange Beach, AL.
- Price, Julie G.\*, **A.N. Wright**, J.T. Kirby, R.W. Peters, and S.A. Watts. 2012. Photosynthetic gas exchange and transpiration of three diverse species in response to water deprivation and recovery on a southeastern green roof. Proc. 2012 Alabama Water Resources Res. Conf., Orange Beach, AL.
- **Wright, A.**, J. Robbins, and M. Gu. 2012. Creating virtual nursery trips to improve on-campus and distance education in nursery production. *NACTA J.* 56 (supplement 1):90.
- Paris, K.\*, R. Boyd, K. Burgess, and **A. Wright**. 2012. Reproductive attrition of the federally endangered *Clematis morefieldii*. *Bot. Soc. of Am. in press*
- Price, J.G.\*, **A.N. Wright**, J.T. Kirby, R.W. Peters, and S.A. Watts. 2012. Photosynthetic gas exchange of *Phlox bifida* and *Sedum album* in response to water deprivation and recovery on a southeastern green roof. *J. Ala. Acad. Sci. in press*
- Price, J.G.\*, **A.N. Wright**, and S.A. Watts. 2012. Photosynthetic rates of three diverse southeastern green roof species in response to drought and recovery. *HortScience* 47:S21
- LeCompte, J.S.\*, **A.N. Wright**, J.R. Kessler, and C. Lebleu. 2012. Saline Irrigation of Three Green Roof Species for the Southeast. *HortScience* 47:S18.
- Price, J.G.\*, S.A. Watts, J.T. Kirby, R.W. Peters, and **A.N. Wright**. 2011. Plant survival and soil water availability in green roof microcosms. *J. Ala. Acad. Sci.* 82:75
- Price, J.G.\*, S.A. Watts, T. Jones, **A.N. Wright**, M. Winslett, R.W. Peters, and J.T. Kirby. 2010. Evaluation of Stormwater Reduction Using Experimental Green Roof Systems. Proc. 2010 Alabama Water Resources Res. Conf., Orange Beach, AL.
- Price, J.G.\*, S.A. Watts, J.T. Kirby, R.W. Peters and **A.N. Wright**. 2010. Green roofs in the southeast: Diversifying plant selection and improving performance. *J. Ala. Acad. Sci.* 81:66.
- Jernigan, K\*. and **A.N. Wright**. 2010. Effect of Repeated Short Interval Flooding Events on Growth of Five Native Shrub Taxa. *HortScience* 45:S128.
- Werneth, K.L.\*. and **A.N. Wright**. 2010. Effect of Previous Flood Exposure on Subsequent Flood Tolerance and Growth of Three Native Landscape Shrubs. *HortScience* 45:S66.
- **Wright, A.N.** and A.L. Bailey\*. 2009. Using moisture sensors installed in the root ball and backfill soil to schedule post-transplant landscape irrigation. *HortScience* 44:967.
- **Wright, A.N.**, M. Gu, and J. Robbins. 2009. Faculty indicate need for instructional multi-media resources for use in teaching nursery production. *HortScience* 44:1136.
- Bailey, A.L.\* and **A.N. Wright**. 2009. Post-transplant irrigation scheduling for two native deciduous shrub taxa. *HortScience* 44:1115.
- Hanes, S.B.\* and **A.N. Wright**. 2009. Growth and photosynthesis of selected native shrubs planted above-grade with organic matter. *HortScience* 44:1116.
- Werneth, K.L.\* and **A.N. Wright**. 2009. Short interval cyclic flooding affects growth and physiology of three native shrub taxa. *HortScience* 44:1115.
- Bailey, A.L.\* and **A.N. Wright**. 2009. Landscape irrigation scheduling for *Hydrangea quercifolia* ‘Alice’ and *Rhododendron austrinum*. *HortScience* 44:557.
- Bond, L.\* and **A.N. Wright**. 2009. Effect of sowing depth and soil type on germination and initial growth of three native wildflower species. *HortScience* 44:556.
- Hanes, S.B.\* and **A.N. Wright**. 2009. Organic matter type affects post-transplant root growth of selected native shrubs in a simulated above-grade planting technique. *HortScience* 44:557.

- Werneth, K.L.\* and **A.N. Wright**. 2009. Effects of short interval cyclic flooding on growth and physiology of selected native shrubs. *HortScience* 44:556.
- Bond, L.\* , C.W. Robinson, **A.N. Wright**, J.L. Sibley, and D.J. Eakes. 2008. Undergraduate international opportunities: two approaches. *HortScience* 43:1170.
- Guckenberger, J.L.\* and **A. N. Wright**. 2008. Above-grade planting with organic matter improves post-transplant root growth and physiology of native shrubs. *HortScience* 43:602.
- Robinson, C.W., L. Waters, Jr., and **A.N. Wright**. 2008. International travel preferences of undergraduate and graduate horticulture students. *HortScience* 43:604.
- Wilkin, M.F.\* and **A. N. Wright**. 2008. Effect of irrigation frequency on root growth, stem water potential, and net photosynthesis of *Kalmia latifolia* L. *HortScience* 43:629.
- Guckenberger, J.L.\* and **A.N. Wright**. 2007. Mulch type influences root growth of native woody shrub species. *HortScience* 42:1006.
- McGrath, C.J.\*, J. M. Kemble, **A.N. Wright**, and W.G. Foshee. 2007. Evaluation of optimal substrates and fertilizers for organic vegetable transplant production in Alabama. *HortScience* 42:952.
- Robinson, C.W., Waters, L., and **A.N. Wright**. 2007. Understanding the international travel views of undergraduate students related to horticultural opportunities. *HortScience* 42:894.
- Wilkin, M.F.\* and **A.N. Wright**. 2007. Effect of soil moisture on root growth of two native landscape shrub species. *HortScience* 42:1006.
- Guckenberger, J.L.\* and **A.N. Wright**. 2007. Mulch type affects root growth of transplanted native shrubs. *HortScience* 42:438.
- Wilkin, M.F.\* , **A.N. Wright**, D.J. Eakes, and R.C. Ebel. 2007. Effects of drought on root growth of native landscape shrubs. *HortScience* 42:438.
- **Wright, A.N.**, J.L. Sibley, L. Waters, D. Williams, and J. Eakes. 2006. International Opportunities in Horticulture at Auburn University. *HortScience* 41:975
- **Wright, A.N.**, R.D. Wright, J.F. Browder, and B.E. Jackson\*. 2006. Effect of Backfill Composition on Post-transplant Root Growth of *Kalmia latifolia* L. *HortScience* 41:1071.
- Jackson, B.E.\* , J.M. Kemble, **A.N. Wright**, and J.L. Sibley. 2006. Harvest Yields of Greenhouse Tomatoes Grown in Pine Bark-amended Cotton Gin Compost. *HortScience* 41:1023.
- Jackson, B.E.\* , **A.N. Wright**, and J.L. Sibley. 2006. Root Growth of Three Horticultural Crops Grown in Pine Bark-amended Cotton Gin Compost. *HortScience* 41:1054.
- **Wright, A.N.**, R.D. Wright, J.F. Browder, and B.E. Jackson. 2005. Effect of rhizosphere pH on root growth of two landscape species. *HortScience* 40:1060.
- **Wright, A.N.**, S.L. Warren, F.A. Blazich, R.D. Wright, and J.R. Harris. 2001. Exposure and plant size affect landscape establishment of *Kalmia latifolia*. *HortScience* 36:501.
- **Wright, A.N.**, S.L. Warren, and F.A. Blazich. 2000. Rate of Root Growth of Three Woody Ornamentals Species. *HortScience* 35:430.
- **Wright, A.N.**, A.X. Niemiera, J.R. Harris, and R.D. Wright. 1999. Micronutrient Fertilization of Container-grown Woody Seedlings Essential Regardless of Pine Bark pH. *HortScience* 34:552.
- **Wright, A.N.**, A.X. Niemiera, J.R. Harris, and R.D. Wright. 1998. Lime and Micronutrient Additions to Pine Bark Affect Growth of Nine Landscape Tree Species. *HortScience* 33:515.

#### PAPERS PUBLISHED AS PART OF CONFERENCE PROCEEDINGS (28)

(\*graduate student, \*\*undergraduate student)

- Spiers, J., A. Brantley\*, A. Thompson\*, J. Pitts, R. Kessler, **A. Wright**, E. Coneva. 2017. Evaluating the effective pollination period of *Actinidia chinensis* 'AU Golden Sunshine' and *A. deliciosa* 'AU Fitzgerald'. International Society for Horticultural Science IX International Symposium on Kiwifruit. (in preparation)

- LeCompte, J.S.\*, **A.N. Wright**, C.M. LeBleu, and J.R. Kessler. 2016. Saline irrigation affects growth of two annual bedding plant species for the southeastern United States. Proc. SNA Res. Conf. 61:92-95.
- Lamb, A.\*\*\*, **A. Wright**, E. Brantley, J. Howe, and J.R. Kessler. 2016. Growth and physiology of three rain garden plant species in two soil types. Proc. SNA Res. Conf. 61:96-100.
- Ryan, C.\*\* and **A. Wright**. 2014. Overwintering Method Affects Growth of *Sarracenia leucophylla* (white topped pitcher plant). Proc. SNA Res. Conf. 59:8-10.
- Lecompte, J.S.\* and **A.N. Wright**. 2013. Saline irrigation of five diverse landscape species for the southeastern United States. Proc. S. Reg. Intl. Plant Propagators Soc. (vol. 62). Acta Hort. (ISHS) 1014:351-356.
- Lecompte, J.\* , **A.N. Wright**, J. R. Kessler, and C. LeBleu. 2012. Saline irrigation of three landscape species for the Southeast. Proc. SNA Res. Conf. 57:177-182.
- Jernigan, K.\* and **A. Wright**. 2011. Effect of repeated short interval flooding on growth of four native shrub taxa. Proc. SNA Res. Conf. 56:341-344. (Publication only)
- Bailey, A.L.\* and **A.N. Wright**. 2009. Post-transplant irrigation scheduling for two native deciduous shrub species. Proc. SNA Res. Conf. 54:250-254.
- Bond, L.\* , **A.N. Wright**, and E.A. Guertal. 2009. Effect of sowing depth and soil type on germination and initial growth of selected wildflower species. Proc. SNA Res. Conf 54:454-459.
- Hanes, S.B.\* and **A.N. Wright**. 2009. Organic matter type affects growth and physiology of selected native shrubs planted above grade. Proc. SNA Res. Conf. 54:261-264.
- Werneth, K.L.\* and **A.N. Wright**. 2009. Effects of short interval cyclic flooding on growth and survival of selected native shrubs. Proc. SNA. Res. Conf. 54:289-293.
- Bailey, A.L.\* and **A.N. Wright**. 2008. Landscape irrigation scheduling for native deciduous shrubs. Proc. SNA Res. Conf. 53:394-398.
- Hanes, S.B.\* and **A.N. Wright**. 2008. Evaluation of organic matter types for use in an above grade planting technique. Proc. SNA Res. Conf. 53:436-441.
- Guckenberger, J.L.\* and **A.N. Wright**. 2007. Above-grade planting encourages post-transplant root growth of native woody shrubs. Proc. SNA Res. Conf. 52:199-203.
- Wilkin, M.F.\* and **A.N. Wright**. 2007. Soil moisture affects post-transplant root growth of native landscape shrubs. Proc. SNA Res. Conf. 52:248-252.
- **Wright, A.N.** and L.M. Brooks\*\*. 2006. Cutting type and substrate affect rooting of herb stem cuttings. Proc. SNA Res. Conf. 51:377-379. (Publication only)
- **Wright, A.N.**, R.D Wright, J.F. Browder, and J. James. 2006. Effect of planting technique on establishment of *Kalmia latifolia*. Proc. SNA Res. Conf. 51:440-442.
- Wilkin, M.F.\* , **A.N. Wright**, D.J. Eakes, and R.C Ebel. 2006. Effect of drought on root growth of native shrub species. Proc. SNA Res. Conf. 51:436-439.
- Guckenberger, J.L.\* and **A.N. Wright**. 2006. Effect of mulch type on post-transplant root growth of *Myrica cerifera*. Proc. SNA Res. Conf. 51:432-435.
- Chestnut, W.\* , **A.N. Wright**, K.M. Tilt, J. Sibley, and A. Caylor. 2005. Effect of exposure on survival and growth of herbaceous peonies. Proc. SNA Res. Conf. 50:478-480.
- Jackson, B.E.\* , **A.N. Wright**, and J.L. Sibley. 2005. Effect of cotton gin compost and pine bark substrate blends on root growth of three horticulture crops. Proc. SNA Res. Conf. 50:54-58.
- **Wright, A.N.**, R.D. Wright, B.E. Jackson, and J.F. Browder. 2005. Effect of backfill composition on post-transplant root growth. Proc. SNA Res. Conf. 50:548-550.
- **Wright, A.N.** and R.D. Wright. 2004. The Horhizotron™: a new instrument for measuring root growth. Proc. SNA Res. Conf. 49:412-414.
- Jackson, B.E.\* , **A.N. Wright**, and J.L. Sibley. 2004. Cotton Gin Compost as a Substrate Component in Container Production of Ornamental Plants. Proc. SNA Res. Conf. 49:67-69.

- **Wright, A.N.**, S.L. Warren, F.A. Blazich, and T.G. Ranney. 2003. Comparative drought tolerance of mountain laurel and Japanese holly. Proc. SNA Res. Conf. 48:452-455.
- **Wright, A.N.**, S. L. Warren, and F. A. Blazich. 2002. Root-zone temperature influences root growth of mountain laurel and Japanese holly. Proc. SNA Res. Conf. 47:458-461. (Publication only)
- **Wright, A.N.**, S. L. Warren, and F. A. Blazich. 2001. Exposure and plant size affect landscape establishment of *Kalmia latifolia*. Proc. SNA Res. Conf. 46: 515–518.
- **Wright, A.N.**, S. L. Warren, and F. A. Blazich. 2000. Root Growth of Two Woody Ornamentals Following Transplanting. Proc. SNA Res. Conf. 45:454-457.
- **Wright, A.N.**, R.D. Wright, A.X. Niemiera, and J. Roger Harris. 2000. Liming and Micronutrient Requirements for Containerized Landscape Tree Production. Comb. Proc. Intl. Plt. Prop. Soc. 50:541-545.
- **Wright, A.N.**, J.K. Fanelli, A.X. Niemiera, J.R. Harris, and R.D. Wright. 1997. Amending pine bark with lime and micronutrients affects growth of nine landscape tree species. Proc. SNA Res. Conf. 42:71–74.

#### ARTICLES PUBLISHED IN NON-REFEREED JOURNALS / TRADE MAGAZINES

- **Wright, A.**, R. Wright, A. Niemiera, and R. Harris. 2000. Micros yes, lime no! NMPPro 16:53-58.

#### BOOK CHAPTERS (Also appear in Contributions to Outreach) (contributing author)

- Basic Botany. 2009 (revised 2013). Alabama Master Gardener Handbook, 4<sup>th</sup> ed. Alabama Cooperative Extension System.
- Plant Propagation. 2009. Alabama Master Gardener Handbook, 4<sup>th</sup> ed. Alabama Cooperative Extension System.

#### BOOKS (Also appear in Contributions to Outreach)

Alabama Smart Yards. 2010. Contributing author and managing editor supervising the initial creation, organization, and content of the manual. This is a manual generated to support the goal to “maintain and enhance the natural beauty of Alabama” through “environmentally sustainable landscape practices”. The manual contains 11 chapters and resources such as plant lists, nurseries, and links to educational information on the internet. Manual includes contributions from several cooperators as part of a grant from Alabama Department of Environmental Management (listed in Grants, Contracts, and Gifts Received).

#### PRESENTATIONS AT PROFESSIONAL MEETINGS

PUBLISHED ABSTRACTS accompanied a poster or oral presentation given at the annual national meeting of the American Society for Horticultural Science (ASHS) or the annual Southern Region meeting of ASHS (HortScience for both) or Alabama Academy of Sciences (as noted).

PAPERS PUBLISHED AS PART OF CONFERENCE PROCEEDINGS accompanied an oral or poster presentation (except where noted) at Southern Nursery Association Research Conference. In most cases, the first author listed was the presenting author.

#### OTHER RESEARCH PRESENTATIONS

- Rahn, K., C. LeBleu, **A. Wright**, and M. Dougherty. 2018. Mitigating the thermal characteristics of stormwater runoff through low impact development. Alabama Water Resources Conference.
- LeBleu, C., M. Dougherty, K. Rahn, A. Wright, R. Bowen, and R. Wang. 2018. Using LID to mitigate thermal pollution in urban streams and coastal receiving waters. Alabama & Mississippi Bays and Bayous Symposium.

- Rahn, K., C. LeBleu, **A. Wright**, M. Dougherty, Rui Wang\*, and B. Garrett\*. 2017. Mitigating the thermal characteristics of stormwater runoff through low impact development (poster). Alabama Stormwater Forum, Auburn University, Auburn, AL.
- LeBleu, C., **A. Wright**, K. Rahn, M. Dougherty, R. Wang\*, and B. Garrett\*. 2017. Mitigating the thermal characteristics of stormwater runoff through low impact development. Council of Educators in Landscape Architecture Annual Meeting, Beijing, China.

#### INVITED LECTURES

- Sustainable Horticulture Plant Production and Use. 2013. China Agriculture University. Seminar presented to faculty and graduate students in Horticulture.
- The Physiology of Sustainable Landscapes. 2008. University of Illinois Department of Natural Resources and Environmental Sciences. Presented seminar as part of their departmental seminar series.

#### INVITED PRESENTATIONS (also appear in Contributions to Outreach)

- Identification of landscape plant species for use in rain gardens. 2016. Alabama Stormwater Symposium, Auburn University, Auburn, AL.
- Sustainability in the Curriculum – A Case Study in Horticulture. 2015. Auburn University Fall Line Sustainability Across the Curriculum workshop.
- Plant Selection for Bioretention and Rain Gardens. 2015. Trends in Horticulture. Alabama Green Industry Training Center professional development series. Birmingham Botanical Garden.
- Using the landscape to protect our streams. 2014. Auburn University Stream Team.
- Strategies for incorporating LID practices into the landscape. 2012. AU Fall Landscape School.
- Rain gardens in the southern landscape. 2011. Garden Club of America Landscape Design Course.
- Rain gardens in the sustainable southern landscape. 2011. AU Fall Landscape School.
- Native Plants for Alabama Landscapes. 2010. AU Master Gardener School.
- Sustainable Landscapes. 2009. Montgomery, AL chapter of Master Gardeners.
- Planting practices that improve landscape establishment and survival. 2008. Gulf States Horticultural Expo, Mobile, AL.
- Roots of the business: take care of the roots, and the top will take care of itself. 2005. Gulf States Horticulture Expo, Mobile, AL.
- Importance of healthy roots for a healthy urban tree. 2004. Montgomery Urban Tree Council.
- Importance of healthy roots for a healthy tree. 2004. Auburn University Horticulture Department's Fall Landscape School.
- The role of root growth in transplant establishment. 2003. County meeting, Wetumpka, AL.
- Difficult-to-transplant woody ornamentals: getting to the root of the problem. 2002. Auburn University Horticulture Department's Fall Landscape School.

#### INVENTIONS

The Horhizotron™ (trademarked 2003) is an instrument that provides a way to non-destructively measure root growth over time under a range of root environments. Because of the importance of post-transplant root growth in landscape establishment of ornamental plants, studies that examine factors that encourage root growth are important for improving landscape plant survival. Historically, most methods for measuring root growth were expensive, difficult to construct, destructive, or time consuming. The Horhizotron™ allows for the non-destructive measurement of root growth over time. This technique for manipulating the rhizosphere and measuring the effects on root growth can be used for wide range of plants and rhizosphere conditions. Units are inexpensive to construct, they can be re-used, and they are suitable for use outdoors, in a growth chamber, or in a greenhouse. Initial units were designed for medium sized woody shrubs. Horhizotrons were modified and adapted in 2010 by other faculty at Auburn University for use with smaller bedding plants and herbaceous perennials. Horhizotrons were

modified and adapted in 2011 by other faculty outside Auburn University for use with large shrubs (Florida) and small bedding plants (NC State).

#### UNDERGRADUATE RESEARCH

Faculty mentor for undergraduate research in Horticulture as a part of the Auburn University Undergraduate Research Fellowship Program. Description of efforts listed in Contributions to Teaching.

#### HATCH AND MULTISTATE PROJECTS

- Wright, A. (Alabama lead) with others. 2010 – 2015. Renewed 2015 – 2020. Water management and quality for ornamental crop production and health. Multi-state project NC1186. ALA017-2-10047
- Wright, A., J. Robbins, M. Gu, and K. Tilt. 2010 – 2014. Creating Virtual Nursery Trips to Improve On-Campus and Distance Education in Nursery Production. ALAE 2010-01810
- Guertal, E., A. Wright and S. Noffsinger. 2007 – 2010. Development of a seed production program for Alabama native and indigenous wildflowers.
- Wright, A. 2003 – 2009. Improving landscape establishment of difficult-to-transplant woody ornamental landscape plants.

#### PROFESSIONAL MEMBERSHIPS

- International Plant Propagators' Society – Southern Region. 2010 – present.
- Alabama Plant Conservation Alliance. 2008 – present.
- American Society for Horticultural Science (ASHS). 1998 – present.
- National Association of Colleges and Teachers in Agriculture. 1998 – 2013.
- Southern Region ASHS. 1997 – present.

#### INTERNATIONAL

Development of research and education opportunities in Costa Rica. Through cooperation with university educators and researchers in Costa Rica, created opportunities for graduate students to conduct research and participate in study tours that focus on propagation, production, promotion, and use of native and endangered plants in the landscape. Institutions include Universidad Nacional Sarapiquí (National University Sarapiquí campus), InBio (National Biodiversity Institute), and La Selva Biological Station (Organization for Tropical Studies).

#### OTHER CONTRIBUTIONS TO RESEARCH (\*Also appears in Contributions to Service)

- Alabama Stormwater Symposium. 2016 – 2017. Assisted with the organization and execution of this professional conference hosted at Auburn University and open to students, faculty, and professional industry practitioners.
- Reviewer, Alabama Agricultural Experiment Station (AAES) Equipment Grant Proposals. 2015.\*
- Member, AU CASIC Green Infrastructure lab group. Interdisciplinary team investigating green building and green engineering technologies. 2014-present.
- Member AU Stormwater working group. Interdisciplinary team investigating stormwater remediation technologies and providing training to stakeholders, practitioners, educators, and researchers. 2014-present.
- Member, AU Water Resources Council. 2014.\*
- External manuscript reviewer for refereed publications: Native Plants Journal; Torrey Botanical Society; Arboriculture and Urban Forestry; HortScience; HortTechnology.\*
- U.S. Forest Service in Alabama. Propagate and grow native Alabama wildflowers and carnivorous for out-planting in the Talledega National Forest. 2009 - 2015.
- Reviewer, Alabama Agricultural Experiment Station (AAES) Equipment Grant Proposals. 2011.\*
- Panelist, College of Agriculture Panel discussion of extramural funding from NIFA. 2011.\*
- Faculty Research Committee. 2009 – 2010.\*

- Member, Auburn Group in Ecology. February 2006 – present.
- Section Editor, Landscape Section, Southern Nursery Association Research Conference. 2012.\*
- Section Editor, Landscape Section, Southern Nursery Association Research Conference. 2011.\*
- Reviewer, Tropical and Subtropical Agriculture Research (TSTAR) Grants Program. 2011. Genetic and Cultural Determinants of Invasive Potential.\*
- Reviewer, Horticulture Collaborative Research Support Program (CRSP) US AID Pilot Project pre-proposals. 2010.\*
- Reviewer, Horticulture CRSP US AID Immediate Impact Project proposals. 2010.\*
- External Reviewer for Hatch Proposal, College of Life Science and Agriculture, University of New Hampshire. 2009.\*
- Moderator, Southern Nursery Association Student Research Competition. 2004.\*
- Reviewer, Southern Nursery Association Research Proceedings CD-ROM. Reviewed a CD archive of past research conference proceedings papers and provided feedback to SNA prior to publication. 2004.\*
- Judge, Southern Nursery Association Student Research Competition. 2003.\*

GRANTS, CONTRACTS, AND GIFTS RECEIVED \$971,345 (Total to A.N. Wright \$649,657)

(\*graduate student, \*\*undergraduate student)

(Amount to A.N. Wright in parentheses if different than total award)

- **Wright, A.N.** 2017. FACETS: Faculty acting collaboratively to enhance teaching in STEM. Auburn University Office of University Writing ePortfolio Grant. \$3,000.
- LeBleu, C.M., K. Rahn, **A. Wright**, and M. Dougherty. 2015. Using pervious pavements to mitigate heat transfer between impervious surfaces and stormwater runoff. Auburn University Intramural Grants Program: Innovative Research Grant. \$18,000. (4,000)
- Dougherty, M., Blersch, D., **A. Wright**, K. Rahn, and C. LeBleu. 2015. Light system installation for growth and heat balance investigations into water related phenomena. AAES Equipment Grant Program. \$26,971.
- Ryan, C.\*\* and **A.N. Wright**. 2014. Production of *Sarracenia leucophylla*. Auburn University Undergraduate Research Fellowship Program. \$2,000.
- **Wright, A.** 2013. Endangered native plant conservation. USDA (Forest Service). \$3,000.
- **Wright, A.**, E. Brantley, and J. Howe. 2013. Evaluating Pollutant Removal Capabilities of Rain Gardens in Alabama. Alabama Agricultural Experiment Station. \$40,000.
- **Wright, A.N.** 2012. Tropical Native Plant Propagation, Production, and Use in Costa Rica. College of Agriculture York International Scholars Program. \$7,712
- **Wright, A.N.** and C.M. LeBleu. 2011. Utilizing greywater for landscape and green roof irrigation. Alabama Water Resources Research Institute. \$25,000.
- **Wright, A.N.** and C.M. LeBleu. 2010. Utilizing greywater for landscape and green roof irrigation. Alabama Agricultural Experiment Station. \$50,000.
- **Wright, A.N.**, J.R. Robbins, M. Gu, and K.M. Tilt. 2010. Creating Virtual Nursery Trips to Improve On-Campus and Distance Education in Nursery Production. NIFA Higher Education Challenge Grants. \$307,356.
- **Wright, A.N.** 2010. Development of research and educational opportunities in Northern Costa Rica. Auburn University Faculty International Travel Grant. \$5,000.
- Tilt, K.M. and **A. Wright**. 2009. Evaluation of Rootmaker containers and traditional production systems. Rootmaker Containers. \$22,000. (\$5,000)
- Meriwether, R.\* and **A.N. Wright**. 2009. Native Plant Propagation in Costa Rica. College of Agriculture York International Scholars Program. \$3,790.
- Woods, F., K. Tilt, **A. Wright**, and D. Fields. 2009. Sustainable aquaculture and aquaponics to offer economic opportunities for the people of the black belt region of Alabama. AAES Hatch Grant Program. \$200,000. (\$0)

- **Wright, A.N.** 2009. Evaluation of Acelegro plant growth stimulant for use on selected nursery crops. Acelegrow Technologies, West Point, GA. \$4,550.
- **Wright, A.N.** 2009. Vegetative propagation of Southern ecotypes of *Kalmia latifolia* (mountain laurel) and *K. hirsuta* (sandhill laurel). Center for Applied Nursery Research. \$2,500
- Bond, L.\* and **A.N. Wright**. 2009. Propagation and production of Alabama native wildflower species. Alabama Wildflower Society. \$1,000.
- **Wright, A.N.** and E.A. Guertal. 2008. Propagation and production of native and indigenous wildflower species. AAES Hatch Grant Program. \$50,000.
- **Wright, A.N.** 2008. College of Agriculture Discretionary Grant Award for travel to SNA Research Conference. \$300.
- **Wright, A.N.** 2008. Evaluation of Acelegro plant growth stimulant for use on selected nursery crops. Acelegrow Technologies, West Point, GA. \$1,500.
- **Wright, A.N.** 2008. College of Agriculture Discretionary Grant Award for travel to LI-COR Biosciences LI-6400 Training Session. \$450.
- **Wright, A.N.** 2008. Evaluating selections of *Kalmia latifolia* (mountain laurel) for use in sustainable southern landscapes. Center for Applied Nursery Research. \$2,500.
- Guertal, E.A., S.L. Noffsinger, and **A.N. Wright**. 2007. Development of Seed Production Program for Alabama Native and Indigenous Wildflowers. ACES/AAES Agricultural Initiative Grant. \$53,958. (\$20,000)
- **Wright, A.N.** 2007. College of Agriculture Discretionary Grant Award for purchase of rechargeable batteries for LICOR 6400 photosynthesis system. \$810.
- Tilt, K, **Wright, A.N.**, Gilliam, C., LeBleu, C., Dougherty, M., Brantley, E., and Browne, C. 2007. Best Management Practices for Residential Landscape Design and Container-Grown Plants to Control Nonpoint Source Polluted Runoff. Alabama Department of Environmental Management. \$73,480. (\$28,000)
- Robinson, C.W., **A. Wright**, B. Clendenen, and R. Kessler. 2007. Horticulture Study Abroad Program in England. Auburn University Daniel F. Breeden Endowment for Faculty Advancement. \$2,000. (\$500)
- **Wright, A.N.** 2006. Transplanting techniques that improve establishment and survival of landscape shrubs. AAES Agricultural Initiative Grant. \$28,738.
- Kemble, J. and **A.N. Wright**. 2006. Evaluation of Gro2 plant growth stimulant in selected vegetable and nursery crops. Acelegrow Technologies, West Point, GA. \$2,500. (\$1,250)
- Griffin, W.\*\* and **A.N. Wright**. 2006. Propagation of native endangered Cahaba lily. Auburn University Undergraduate Research Fellowship Program. \$1,400.
- Wright, R.D., **A.N. Wright**, C. Gilliam, and J.L. Sibley. 2005. Development of a new container substrate derived from ground pine wood chips. Horticultural Research Institute. \$15,000 (\$7,500)
- Brooks, L.M.\*\* and **A.N. Wright**. 2005. Stem cutting propagation of herbs for the southeastern United States. Auburn University Undergraduate Research Fellowship Program. \$1,400.
- **Wright, A.N.** 2004. Study tour of public and private gardens in southern England. International Scholars Program, Auburn University College of Agriculture. \$1,430
- **Wright, A.N.**, J. L. Sibley, and W. Lu. 2004. Evaluation of Composted Municipal Waste as an Amendment to Pine Bark for use in Container Ornamental Production. Center for Applied Nursery Research. \$2,000.
- **Wright, A.N.** and J.L. Sibley. 2002. Faculty Mentoring Program. Office of the Vice President for Research, Auburn University. \$4,000.
- **Wright, A.N.** 2002. Effect of planting technique on landscape establishment of *Kalmia latifolia*. Historyland Nursery, Inc., Montross, VA. \$2,000.
- **Wright, A.N.** 2001. Physiology of drought adaptations in *Kalmia latifolia*. Historyland Nursery, Inc., Montross, VA. \$3,000



- **Wright A.N.** and R.D. Wright. 1999. Root growth of two woody ornamentals following transplanting. Lancaster Farms, Inc., Suffolk, VA. \$3,000
- **Wright A.N.** and R.D. Wright. 1999. Effect of plant size and exposure on landscape establishment of *Kalmia latifolia*. Historyland Nursery, Inc., Montross, VA. \$2,000

#### GRANTS, CONTRACTS, AND GIFTS PENDING

- **Wright, A.N.**, and C.M. LeBleu. 2018. Effects of Recurring Flooding on Growth and Survival of Native Landscape Shrubs. Horticultural Research Institute. \$20,500.
- Rahn, K., C. LeBleu, **A. Wright**, and M. Dougherty. 2018. Mitigating the thermal characteristics of stormwater runoff through low impact development stormwater control measures. Center for Construction Innovation and Collaboration. \$15,000.

#### GRANTS APPLIED FOR BUT NOT FUNDED

(\*Graduate Student)

- LeBleu, C., M. Dougherty, **A. Wright**, and K. Rahn. 2018. Mitigating the thermal characteristics of stormwater runoff through low impact development stormwater control measures. Water Resources Research Institute Program. \$25,000.
- Dougherty, M., C. LeBleu, **A. Wright**, and K. Rahn. 2018. Low impact development (LID) practices to mitigate thermal pollution in stormwater runoff entering urban streams and sensitive coastal receiving waters. Auburn University President's Award for Interdisciplinary Research. \$296,573.
- **Wright, A.N.**, M. Marshall, C. Arias, D. Wells, T. Knappenburger. 2017. FACETS: Faculty acting collaboratively to enhance teaching in STEM. NSF IUSE:EHR. \$2,866,836
- **Wright, A.N.** 2016. Commercial production and consumer marketing of white-topped pitcher plant (*Sarracenia leucophylla*). National Foliage Foundation (NFF). \$25,000.
- Peters, R.W., H. Taherian, **A.N. Wright**, and C.M. Lebleu. 2015. Collaborative Research: Integration of Green Roofs, Cistern Collection, and Rain Gardens for Healthy Urban Cities. National Science Foundation (NSF) Environmental Sustainability: Green Engineering. \$370,000.
- Howe, J., E. Brantley, T. Knappenburger, **A. Wright**. 2015. Improving Water Quality and Pollinator Habitats with Rain Gardens. Environmental Protection Agency (EPA) Gulf of Mexico Program. \$289,003.
- **Wright, A.N.** and C.M. LeBleu. 2014. Collaborative Research: Integration of Green Roofs, Cistern Collection, and Rain Gardens for Healthy Urban Cites. NSF Environmental Sustainability. \$160,000.
- **Wright, A.**, E. Brantley, and J. Howe. 2013. Evaluating Pollutant Removal Capabilities of Rain Gardens in Alabama. Auburn University Intramural Grants Program. \$55,000.
- Barthel, E., R. Smith, N. Wilson, **A. Wright**, and J. Spiers. 2013. Integrated sustainable farm-to-market strategies for rural communities in Alabama. USDA AFRI Foundational Program. \$500,000.
- Meder, A.\* and **A. Wright**. 2013. Hydrology and Moisture Dynamics of Bioretention Garden Substrates. Decagon Devices G.A. Harris Instrumentation Fellowship. \$5,000
- **Wright, A.N.** and C. LeBleu. 2013. Integrated landscape systems to reduce nutrient runoff. EPA STAR. \$100,000
- Hein, M. C. Lange, M. Heitzman, R. Willis, M. Dougherty, **A. Wright**, and C. Lebleu. 2012. Scaled assessment of stormwater quality and thermal properties through pervious pavement systems. Water Resources Competitive Grants Program. \$200,000.
- Peters, R.W., J.T. Kirby, S.A. Watts, **A.N. Wright**, and C.M. LeBleu. 2012. Green engineering to mitigate urban stormwater. National Science Foundation Green Engineering Program. \$100,000.
- **Wright, A.N.**, E. Brantley, and C.M. LeBleu. 2010. Nutrient Removal and Flooding Tolerance of North American Plants in Bioretention Soils. EPA P3 Program – People, Prosperity, and the Planet. \$15,000.

- Peters, R.W., J.T. Kirby, S.A. Watts, **A.N. Wright**, and C.M. LeBleu. 2011. Collaborative Research: Green Engineering to Mitigate Urban Stormwater. National Science Foundation Green Engineering Program. \$150,000.
- **Wright, A.N.** and C.M. LeBleu. 2011. Greywater reuse in rain gardens. Alabama Water Resources Research Institute. \$25,000.
- **Wright, A.N.** and C.M. LeBleu. 2010. Utilizing greywater for landscape and green roof irrigation. Horticulture Research Institute. \$5,000.
- **Wright, A.N.** and C.M. LeBleu. 2010. Utilizing Greywater for Landscape and Green Roof Irrigation. WateReuse Foundation Preproposal. \$74,517
- **Wright, A.N.** and C.M. LeBleu. 2009. Utilizing greywater for landscape and green roof irrigation. Alabama Water Resources Research Institute. \$25,000.
- **Wright, A.N.** 2009. Ecosystem restoration and rural economic development in Cano Negro, Costa Rica. Immediate Impact Project Pre-Proposal, HCRSP, USAID. \$125,000.
- **Wright, A.N.**, J.R. Robbins, M. Gu, and K.M. Tilt. 2009. Creating Virtual Nursery Trips to Improve On-Campus and Distance Education in Nursery Production. NIFA Higher Education Challenge Grants. \$322,406.
- Tilt, K., W.Orozco, C.J. McGrath, **A.N. Wright**, F. Woods, W. Foshee, J. Weese, J. Chappel, and G. Bi. 2008. The Auburn Center for Research and Development of Horticultural Aquatic Plants. Sustainability Crops Research Initiative. \$839,145.
- **Wright, A.N.** 2008. Irrigation requirements and scheduling for sustainable southern landscapes. AAES Hatch Grant Program. \$52,144.
- **Wright, A.N.**, J.R. Robbins, M. Gu, and K.M. Tilt. 2008. Improving Undergraduate Education in Nursery Production through Virtual Nursery Trips. USDA CSREES Higher Education Challenge Grants. \$320,437.
- **Wright, A.N.** 2007. Planting Techniques that Improve Landscape Establishment of Native Shrubs. Horticultural Research Institute. \$14,268.
- **Wright, A.N.**, J.R. Robbins, M. Gu, and K.M. Tilt. 2007. Improving Undergraduate Education in Nursery Production through Virtual Nursery Trips. USDA CSREES Higher Education Challenge Grants. \$338,700.
- **Wright, A.N.** 2007. Improving Landscape Irrigation Efficiency Through Sustainable Planting Practices. AAES. \$17,268.
- **Wright, A.N.** and R.C. Ebel. 2005. A novel approach to drought stress control of horticultural crops. Auburn University Competitive Research Grant Program. \$5,333.
- **Wright, A.**, J. Sibley, J. Kemble, and B. Jackson. 2004. Use of composted cotton gin waste in greenhouse tomato production. Alabama Cotton Commission. \$9,000.
- **Wright, A.N.**, J.D. Williams, and P. Barrett. 2003. HortQuest. Auburn University Outreach Scholarship Grant. \$12,115
- **Wright, A.N.** and R.D. Wright. 2003. The Horhizotron: A tool for measuring root growth. Horticulture Research Institute. \$15,000.
- **Wright, A.N.**, G. Huluka, S.J. Weese, and J.L. Sibley. 2003. Characterization and Landscape Use of Manufactured Top-Soils Derived from Waterway, Municipal, and Residential Wastes. AAES Foundation Grant Program. \$120,000.
- Kemble, J., **A. Wright**, J. Sibley, and E. Vinson. 2003. Use of composted cotton gin waste for the production of greenhouse tomatoes. Alabama Nut, Fruit, and Vegetable Industries. \$5,000.
- **Wright, A.N.** 2003. A novel technique for measuring root growth following transplanting. Auburn University Competitive Research Grant Program. \$3,000.
- **Wright, A.N.** and S.L. Warren. 2000. Transplanting mountain laurel from containers: effects of plant size and landscape exposure on establishment. J. Frank Schmidt and Sons Charitable Trust, Boring, OR. \$5,000.

## DESCRIPTION OF SCHOLARLY RESEARCH PROGRAM

Whereas traditional landscape horticulture research historically focused on plant establishment, plant selection, and plant evaluation, modern landscape horticulture research has moved towards more integrated systems. Current issues in landscape horticulture address resource conservation, environmental mitigation, and sustainability. Likewise, my research program has evolved over time along with these trends and now focuses on several key components to sustainable landscape horticulture. In particular, it has shifted to focus on ways that landscape plants can be used to improve water quality and recycling through green roofs, rain gardens, bioretention areas, and greywater reuse. All of my research efforts utilize native plants to generate data that support their use in these applications. It has become critical for the sustainability of my research program, but also to be effective in current modern landscape horticulture emphasis, to work in an interdisciplinary research team. Currently, I collaborate with faculty in Landscape Architecture, Crop, Soils and Environmental Science (water quality and soil chemistry), Biosystems Engineering, Forestry (ecology), and Biological Sciences (botany). I anticipate that my research efforts will continue to follow this direction as water conservation and sustainability remain critical components of healthy urban, suburban, and rural landscapes.

## **CONTRIBUTIONS TO: OUTREACH**

---

### **COMMENTARY**

**Description.** The majority of my outreach activities are extensions of my research program in which I communicate the results of my work to those individuals who would have the most need for it. My current research program is application-based, so this provides opportunities to disseminate the results to several groups. As suburban and urban development continue, there is an increasing need to educate landscape industry professionals, homeowners, city planners, landscape designers, and nursery growers about issues associated with municipal, residential, and commercial sustainable landscape horticulture. This includes providing information on installing and maintaining sustainable landscapes that establish readily, have good survival rates, utilize native plants, require limited irrigation, and help to manage and mitigate stormwater runoff. Therefore, my objectives are to develop planting recommendations that improve establishment and survival of native landscape plants, expand plant selection opportunities, and contribute to sustainable landscapes by decreasing inputs required and reducing pollution in stormwater runoff. To accomplish this, my research focuses on identifying planting techniques that improve establishment of native plants, screening native plants for tolerance to environmental stress, and evaluating landscape strategies for mitigating stormwater runoff.

**Mission.** Sustainable landscapes reduce pollution, conserve water and energy, and improve “the quality of life of Alabama citizens” (Auburn University Mission Statement). Sustainable landscapes incorporate “technologies related to...the environment” (College of Agriculture Mission Statement).

**Scholarship and Impact.** All of the results of my research and teaching program are disseminated through a variety of channels to a broad range of audiences: landscape industry professionals, homeowners, city planners, landscape designers, nursery growers, researchers, educators, and students. Specific outputs from my program and the target audience are listed below (some of which also appears in Contributions to Teaching and Research).

### **ACTIVITIES AND PRODUCTS**

- Alabama Stormwater Symposium. 2016 – 2017. Assisted with the organization and execution of this annual professional conference hosted at Auburn University and open to students, faculty, and professional industry practitioners

### **PRESENTATIONS**

- Identification of landscape plant species for use in rain gardens. 2016. Alabama Stormwater Symposium, Auburn University, Auburn, AL.
- Sustainability in the Curriculum – A Case Study in Horticulture. 2015. Fall Line Sustainability Across the Curriculum workshop.
- Plant Selection for Bioretention and Rain Gardens. 2015. Trends in Horticulture. Alabama Green Industry Training Center professional development series. Birmingham botanical Garden.
- Using the landscape to protect our streams. 2014. Auburn University Stream Team.
- Strategies for incorporating LID practices into the landscape. 2012. Horticulture Department Fall Landscape School.
- Rain gardens in the southern landscape. 2011. Garden Club of America Landscape Design Course.
- Rain gardens in the sustainable southern landscape. 2011. Horticulture Department Fall Landscape School.
- Native plants for Alabama landscapes. 2010. Horticulture Department Fall Master Gardener School.
- Sustainable Landscapes. 2009. Montgomery, AL Chapter of Master Gardeners.
- Native Plant Selection for Golf Courses. 2009. Lee County Business Partners for Clean Water Turf Managers’ Workshop.

- Rain Harvesting – From Barrels to Gardens. 2009. Horticulture Department Fall Master Gardener School.
- Alabama Smart Yards Program. 2008. Lee County Business Partners for Clean Water.
- Alabama Smart Yards Program. 2008. Horticulture Department Fall Master Gardener School.
- Planting practices that improve survival of landscape plants. 2008. Gulf States Horticultural Expo, Mobile, AL.
- Effect of organic matter type on root growth of native landscape shrubs planted using a modified above-grade planting technique. 2007. Horticulture Department Fall Landscape School.
- Roots of the business: take care of the roots, and the top will take care of itself. 2005. Gulf States Horticulture Expo, Mobile, AL.
- Importance of healthy roots for a healthy tree. 2004. Horticulture Department Fall Landscape School.
- Importance of healthy roots for a healthy urban tree. 2004. Montgomery Urban Tree Council.
- The role of root growth in transplant establishment. 2003. ACES County meeting, Wetumpka, AL.
- Difficult-to-transplant woody ornamentals: getting to the root of the problem. 2002. Horticulture Department Fall Landscape School.

#### WORKSHOPS

- Tissue Culture Workshop. 2013. Developed a workshop on tissue culture techniques that included classroom and hands on lab activities. Participants (6) included extension agents and professionals (agent-in-training).
- Rain Garden Workshop. 2011. Coordinated and directed rain garden workshop. Included lunchtime seminar and workshop led by Associate Professor Anne Spafford (Department of Horticultural Science, North Carolina State University), author of primary rain garden book reference book for the Southeast. Conducted in partnership with Alabama Smart Yards and Saugahatchee Watershed Management Program (SWaMP). Workshop activities were published via blog post on SWaMP website and blog post on Backyard Wisdom website. Thirty-three participants including members of the local public, SWaMP, Alabama Water Watch (AWW), Save our Saugahatchee (SOS), Office of Sustainability, Department of Horticulture, Department of Agronomy, Department of Landscape Architecture, Alabama Cooperative Extension Service (ACES), and Alabama Department of Environmental Management (ADEM). In addition to educational materials distributed (including Alabama Smart Yards Manual), an actual rain garden was installed at the Donald E. Davis Arboretum on AU campus.

#### INTERVIEWS

- Backyard Wisdom weekly radio show, podcast, and blog produced by Alabama Cooperative Extension Service and aired on regional public radio station.
  - November 26, 2011. Greywater Reuse.
  - October 8, 2011. Fall planting.
  - April 16, 2011. Herbs.
  - March 5, 2011. Cool Season Herbs.
  - October 30, 2010. Evergreen Native Shrubs.
  - October 23, 2010. Deciduous Native Shrubs.
  - September 25, 2010. Mulch.
  - August 21, 2010. Hardy Palms.
  - May 22, 2010. Planting Tips.
  - May 8, 2010. Site Assessment
  - February 27, 2010. Alabama Smart Yards Program.
  - November 21, 2009. Deciduous Native Plants.
  - November 28, 2009. Evergreen Native Plants.

- September 24, 2009. Plant selection for Rain Gardens.

## BOOK CHAPTERS

(contributing author)

- Basic Botany. 2013. Alabama Master Gardener Handbook, Revised edition. Alabama Cooperative Extension System.
- Basic Botany. 2009. Alabama Master Gardener Handbook, 4<sup>th</sup> ed. Alabama Cooperative Extension System.
- Plant Propagation. 2009. Alabama Master Gardener Handbook, 4<sup>th</sup> ed. Alabama Cooperative Extension System.

## BOOKS

- Alabama Smart Yards. 2010. Contributing author, and managing editor supervising the creation, organization, and content of the manual. This is a manual generated to support the goal to “maintain and enhance the natural beauty of Alabama” through “environmentally sustainable landscape practices”. The manual contains 11 chapters and resources such as plant lists, nurseries, and links to educational information on the internet. Manual includes contributions from several cooperators as part of a grant from Alabama Department of Environmental Management (listed in Grants, Contracts, and Gifts Received).

## OTHER PUBLICATIONS

- Transplanting Mountain Laurel. 2006. Brochure and plant tag describing planting techniques for successful landscape establishment of container-grown mountain laurel. The brochure and plant tag include color graphics, line drawings created by A.N. Wright, photographs taken by A.N. Wright, and specific instructions for planting written by A.N. Wright. Both are currently in use by a grower and are being distributed to the public at garden centers.

## ELECTRONIC

- Donald E. Davis Arboretum Plant Database. 2010 – present. Working with students, computer technology personnel in College of Agriculture, and arboretum staff, developed and updated an online database of plants contained in the arboretum. <https://apps.acesag.auburn.edu/projects/plants/>

## OTHER OUTREACH ACTIVITIES

- Reviewer, Alabama Certified Landscape Professional manual. 2013.
- Reviewer, Alabama LID BMP Manual. 2013. [www.aces.edu/lid](http://www.aces.edu/lid)
- Reviewer, Alabama Master Gardener Manual. 2013. In depth review of chapter on Basic Botany.
- Sustainable Landscape Forum. 2011 – present. Coordinated through AU Office of Sustainability, initiated monthly meetings of faculty, staff, and graduate students involved in current sustainable landscape projects and other sustainability issues on campus. Goal of forum is to discuss sustainability topics and efforts on campus among a broad group of participants including campus planning personnel, facilities management, researchers, educators, and students. Goal of discussions are to increase coordination and integration among these diverse groups.
- Alabama Smart Yards Program (Faculty coordinator). Program goals include: Assist homeowners and landscape professionals with design and implementation of sustainable home landscapes; reduce stormwater runoff; and preserve state’s natural resources and beauty. Implementation includes training sessions for extension agents, Master Gardeners, and landscape professionals. Program manuals have also been published and distributed, and the manual is available online.
- Donald E. Davis Arboretum Stormwater Tour. 2012. Stormwater tour includes signage at multiple stops to demonstrate different best management practices for stormwater. Recorded two cell phone tour stops focused on rain gardens.

## *CONTRIBUTIONS TO: SERVICE*

---

### PROFESSIONAL DEVELOPMENT

- 2018 APLU Annual Meeting. New Orleans, LA.
- 2018 American Society for Horticultural Science Annual Meeting. Washington, D.C.
- 2018 Emergenetics Leadership Training. Auburn University, AL
- 2018 International Writing Across the Curriculum annual conference. Auburn University, AL
- 2018 APS/NARRU Meeting Joint Winter Meeting. Arlington, VA
- 2018 Southern Region American Society for Horticultural Science Annual Meeting. Jacksonville, FL
- 2017 APLU Annual Meeting. Washington, DC
- 2017 American Society for Horticultural Science Annual Meeting. Kona, HI.
- 2017 Southern Region American Society for Horticultural Science Annual Meeting. Mobile, AL
- 2017 APS/NARRU Joint Winter Meeting. Alexandria, VA
- 2016 APLU Joint APS/ES Meeting. Atlanta, GA
- 2016 American Society for Horticultural Science Annual Meeting. Atlanta, GA.
- 2016 Southern Region American Society for Horticultural Science Annual Meeting. San Antonio, TX
- 2016 Southern Nursery Association Research Conference. Athens, GA
- 2015 American Society for Horticultural Science Annual Meeting. New Orleans, LA
- 2015 Southern Region American Society for Horticultural Science Annual Meeting. Atlanta, GA
- 2015 Southern Nursery Association Research Conference. Atlanta, GA
- 2014 Southern Region American Society for Horticultural Science Annual Meeting.
- 2014 Southern Nursery Association Research Conference. Atlanta, GA

### UNIVERSITY SERVICE

- Member, Search Committee, College of Sciences and Mathematics Associate Dean for Academic Affairs. 2019.
- Panelist, Women in Science and Engineering (WISE) graduate student promotion and tenure information luncheon. 2018.
- Member, Screening Committee, School of Forestry and Wildlife Sciences Luce Endowed Professorship. 2018.
- Member, Search Committee, Auburn University Vice President for Enrollment. 2018.
- Auburn University ePortfolio Assessment Workshop. 2018.
- Member, Screening Committee, College of Sciences and Mathematics Wit Endowed Professorship. 2017.
- Member, Screening Committee, College of Human Sciences Schulze Endowed Professorship. 2017.
- Member, Search Committee, Auburn University Office of University Writing Assistant Director. 2017.
- Member, Auburn University Medical Resignation Committee. 2017 – present.
- Member, Auburn University Undergraduate Advising Council. 2016 – present.
- Quality Assessment Practice Working Group. 2015.
- Donald E. Davis Arboretum Committee. 2013 – 2016.
- AU Water Resources Council. 2014 – 2016.
- University Writing Committee. 2012 – 2015.
- Academic Sustainability Committee. 2012 – 2017.
- University Graduation Committee. 2003 – 2012, 2013 – 2017. Continuing member 2014 – 2017.
- Faculty Research Committee. 2009 – 2010.
- AU Faculty-Staff Campaign. Team Captain, College of Agriculture. 2008 – 2012.
- Member, Search Committee, Landscape Architecture Program Chair. 2008.
- Member, Search Committee, Landscape Architecture Tenure-Track Faculty Positions (2). 2008 – 2009.

- Member, Auburn Group in Ecology. 2007 – present.
- Colleague Circle Facilitator, Biggio Center New Faculty Scholars Program. 2007 – 2008. Organize discussion and learning sessions for untenured faculty participating in the NFS program.
- Judge, Graduate Student Council Student Research Forum poster competition. 2003.

#### COLLEGE SERVICE

- Co-Chair, College of Agriculture Search Committee Associate Dean for Extension and Assistant Director for Agriculture, Natural Resources, and Forestry. 2018.
- Panelist, Women in Agriculture Leadership Luncheon. 2017.
- Chair, College of Agriculture Screening Committee Mike and Leann Rowe Endowed Professorship. 2017.
- Keynote Speaker, Successful Women in Agriculture Fall Conference. 2016.
- Member, College of Agriculture Search Committee Dean and Director of the College of Agriculture and Alabama Agricultural Experiment Station. 2016.
- Reviewer, Alabama Agricultural Experiment Station (AAES) Equipment Grant Proposals. 2015.
- Member, Department of Agricultural Economics and Rural Sociology faculty search committee. 2015.
- Member, College of Agriculture Budget Advisory Committee. 2014 - 2016.
- Member, College of Agriculture Search Committee Assistant Dean and Director of Global Programs. 2014.
- Member (departmental representative), College of Agriculture Global Programs Advisory Committee 2014 – 2016.
- Member, College of Agriculture strategic marketing program (Horticulture department faculty representative) 2013 – 2014.
- Reviewer, Alabama Agricultural Experiment Station (AAES) Equipment Grant Proposals. 2011.
- Panelist, College of Agriculture Panel discussion of extramural funding from NIFA. 2011
- Panelist, College of Agriculture Panel discussion on SACS Assessment of student learning. 2009. Presented plan for assessment being developed by Department of Horticulture.
- Gamma Sigma Delta, The Honor Society of Agriculture, Auburn University Chapter. Secretary 2003 – 2006. President 2006 – 2009. Historian 2009 – current.
- College of Agriculture E.T. York Lecture Committee. 2004 – 2013.
- Member, Search Committee, College of Agriculture Communications and Marketing Art Designer. 2008.
- Member, Search Committee, College of Agriculture Associate Dean for Instruction. 2008 – 2009.
- Member, Search Committee, College of Agriculture Computer Technology Unit Information Technology Specialist. 2006.

#### DEPARTMENT SERVICE

- University and faculty senator. 2013 – 2016.
- Horticulture Department coordinator for College of Agriculture 3+2 program with China Agricultural University. 2013 – 2016.
- SACS Assessment Committee. Co-Chair 2009 – 2011, Chair 2012 – 2016. Oversee the development of the department's assessment of teaching and learning plan. Develop learning outcomes, conduct assessment, analyze results, and develop strategies to improve student learning. Prepare annual reports for SACS.
- Space utilization committee, Chair. 2009 – 2016. Evaluate request for departmental lab, office, and research space requests and space renovations.
- Horticulture Department representative to Horticulture Administrators Multi-state group annual meeting. 2014.
- Member, Horticulture Department Head search committee. 2014.
- Member, Interim Horticulture Department Head search committee. 2014.



- Chair, Sustainable Nursery and Greenhouse Production Horticulture Faculty Search Committee, 2013.
- Co-Advisor for PLANET. (see description in Contributions to Teaching). 2003 – 2015.
- Henry P. Orr Endowment Fund for International Horticulture Opportunities (see description in Contributions to Teaching). 2004 – 2010.
- Hort Welcome Day, Chair. 2002 – 2006. Organize annual social event for undergraduate and graduate horticulture students and their families, alumni, faculty, and staff.
- Technology and Website Committees. 2002 – 2007.
- Myerscough England Study Abroad (see description in Contributions to Teaching). 2005, 2007.
- Undergraduate Curriculum Committee. 2006.
- International Committee. 2006 – 2007.
- Search Committees: Horticulture Department Head (2005). Landscape Horticulture Faculty (2004 – 2006), Academic Program Assistant (2006).

#### PROFESSIONAL SERVICE

- Member, ASHS Board of Directors. 2017 – 2019.
- Vice President – Education Division, American Society for Horticultural Science. 2017 – 2019.
- Chair, ASHS Publications Task Force. 2017.
- Member, Executive Committee, Southern Region American Society for Horticultural Science (SRASHS). 2015 – 2018. Vice Chair 2017 – 2018.
- Judge, student poster competition, Alabama Water Resources Conference. 2014.
- Judge, undergraduate student poster competition, SRASHS. 2014.
- Member, Nominating Committee, SRASHS. 2013 – 2014.
- External peer reviewer of P&T packet for Horticulture, Clemson University. 2013.
- Reviewer, Alabama Certified Landscape Professional manual. 2013.
- Section Editor, Landscape Section, Southern Nursery Association Research Conference. 2013.
- Reviewer, Alabama LID BMP Manual, Vegetation chapter. 2013. [www.aces.edu/lid](http://www.aces.edu/lid)
- Reviewer, Alabama Master Gardener Manual, Basic Botany chapter. 2013.
- External manuscript reviewer for refereed publications: Native Plants Journal; Torrey Botanical Society; Arboriculture and Urban Forestry; HortScience; HortTechnology.
- Moderator, student section International Plant Propagators' Society Southern Region annual meeting. 2012.
- Section Editor, Landscape Section, Southern Nursery Association Research Conference. 2012.
- External peer reviewer of P&T packet for Horticulture, Texas A&M University. 2011.
- Moderator, MS and PhD student competitions at American Society for Horticultural Science Southern Region (SRASHS) Annual Meeting. 2011.
- Section Editor, Landscape Section, Southern Nursery Association Research Conference. 2011.
- Reviewer, Tropical and Subtropical Agriculture Research (TSTAR) Grants Program. 2011. Genetic and Cultural Determinants of Invasive Potential.
- Reviewer, Horticulture Collaborative Research Support Program (CRSP) US AID Pilot Project pre-proposals. 2010.
- Reviewer, Horticulture CRSP US AID Immediate Impact Project proposals. 2010.
- External Reviewer for Hatch Proposal, College of Life Science and Agriculture, University of New Hampshire. 2009.
- Member, Nominations and Elections Committee, SRASHS. 2008 – 2010.
- Member, J. Creighton C. Miller Distinguished Educator Award Committee, SRASHS. 2007 – 2010. Chair, 2010.
- Chair, Education Section, SRASHS Annual Meeting. 2008.
- Judge, Southern Nursery Association Student Research Competition. 2007.
- Member/Reviewer, Southern Nursery Association Sydney B. Meadows Scholarship Committee. 2005-2007.

- North American Colleges and Teachers of Agriculture (NACTA) Journal Awards Committee. 2002 – 2009.
- Moderator, Southern Nursery Association Student Research Competition. 2004.
- Reviewer, Southern Nursery Association Research Proceedings CD-ROM. Reviewed a CD archive of past research conference proceedings papers and provided feedback to SNA prior to publication. 2004.
- Judge, Southern Nursery Association Student Research Competition. 2003.