

Jimmy K. Triplett, Ph.D.

Curriculum Vitae

Assistant Professor and Curator, JSU Herbarium
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EDUCATION

Iowa State University, Department of Ecology, Evolution, and Organismal Biology
2002-2008. Ph.D.: Botany. Dissertation title: Phylogenetic history of the temperate bamboos in East Asia and North America.

University of North Carolina at Greensboro, Department of Biology
Bachelor of Arts, May 1990. Cum Laude. Graduate of the Honors Program.
Honors thesis title: Lamina architecture and anatomy in the Heliconiaceae and Musaceae

PROFESSIONAL EXPERIENCE

Assistant Professor and JSU Herbarium Curator, 2010-Present. Department of Biology, Jacksonville State University, AL.
Instruction and research in biology and plant systematics.

Post Doctoral Fellow, 2010. Smithsonian Institution, National Museum of Natural History.
Project title: Exploring reticulate evolution and biogeography in the temperate bamboos of East Asia and eastern North America utilizing nuclear sequence data. Co-advisors: Jun Wen and Paul Peterson.

Post Doctoral Fellow, 2008-2009. University of Missouri-St. Louis. Project title: Diversity among relatives of switchgrass (*Panicum virgatum*). Advisor: Elizabeth A. Kellogg.

Research Assistant, 2005-2007. Iowa State University. Project title: Phylogeny and classification of the woody bamboos (NSF 0515828). Supervisor: Lynn Clark

AWARDS, FELLOWSHIPS, GRANTS, AND HONORS

- Department of Conservation and Natural Resources, Section 6 Grant: "Demographic Monitoring and Genetic Analysis of the Critically Imperiled Kral's Water Plantain (*Sagittaria secundifolia* Kral) in Northeastern Alabama. (\$20,103, 2018-2019)
- Improving Science Education Initiative Grant: "In Step with Evolution: Bringing Active Learning to a Key Science Course at JSU." Jacksonville State University (\$1500, 2018)
- Faculty Research Grant (Triplett, Alabama bamboo), Jacksonville State University (\$1764, 2018-2019)
- National Science Foundation, "CSBR: Natural History Collections: A Hidden Treasure in Northeastern Alabama - Revitalizing the Jacksonville State University Herbarium" (\$392,384, 2012-2017)
- Faculty Research Grant (Triplett, *Arundinaria*), Jacksonville State University (\$2740, 2015-2016)
- Faculty Research Grant (Triplett, *Dichantheium*), Jacksonville State University (\$2980, 2013-2014)
- Travel Grant, Jacksonville State University (\$700, 2013)
- Collaborative Research Experience for Undergraduates (CREU), "Reconstructing Phylogeny in the Wake of Polyploidy: The Curious Case of the Allopolyploid Bamboos." Trifas, M., J. Case, and J. Triplett (Collaboration between JSU Biology and MCIS Departments; \$21,800, 2012-2013).
- Legacy, Inc. "Active Science for Active Minds: Hands-on Science in the AL Outdoors." Tolley-Jordan, L., M.E. Meade, C.A. Murdock & J.K. Triplett. (\$9,995, 2012-2013)
- Faculty Scholar Lecture Award, Jacksonville State University (2012-2013).
- Faculty Research Grant (Triplett, *Polygonatum*), Jacksonville State University (\$2992, 2012-2013)
- Faculty Research Grant (Trifas and Triplett, MCIS/Biology collaboration: Phylogenetic Tree Reconstruction and Visualization), Jacksonville State University (\$3000, 2012-2013)
- Faculty Research Award, Jacksonville State University (2011-2012)
- Travel Grant, Jacksonville State University (\$750, 2012)
- Travel Grant, Jacksonville State University (\$559, 2012)
- Research Fellowship, Smithsonian Institution, National Museum of Natural History (\$17,600, 2011)
- Faculty Research Grant (Triplett, *Arundinaria*), Jacksonville State University (\$2998, 2011-2012)

- Faculty Research Award, Jacksonville State University (2010-2011)
- Travel Grant, “Mathematical Biology: Beyond Calculus” MAA PREP workshop (\$500, 2011)
- Travel Grant, Jacksonville State University (\$650, 2011)
- Postdoctoral Fellowship, Smithsonian Institution, National Museum of Natural History (\$30,000, 2010)
- Postdoctoral Fellowship, Biology Department, University of Missouri-St. Louis (\$54,000, 2008-2009)
- Lawrence Memorial Award, Hunt Institute for Botanical Documentation (\$2000, 2007-2008)
- Graduate Research Grant, American Society of Plant Taxonomists. “Systematics of the *Arundinaria* Complex (Poaceae: Bambusoideae) in the Southeastern U.S. and East Asia” (\$1000, 2005-2006)
- Research Grant, American Bamboo Society. “The origin of our native bamboo: exploring the evolutionary history of *Arundinaria* in the US” (\$2000, 2005-2006)
- East Asia and Pacific Summer Institutes Research Fellowship, NSF/Japan Society for the Promotion of Science, Kyoto University, Japan (\$3000, 6/04-5/05; Host lab: Dr. Noriaki Murakami)
- Richard W. Pohl Fellowship, Iowa State University (\$500, 5/05)
- Premium of Academic Excellence (PACE) Award, Iowa State Univ. (Partial Tuition, 2002-2004)
- Travel Award, Southern California Chapter of the American Bamboo Society (\$300, 10/03)
- Travel Award, ISU Professional Advancement Grant (\$240, 3/03)
- Grant-In-Aid, Sigma Xi Science Society, Cornell University, (\$310, 4/93)
- Young Botanist Recognition Award, Botanical Society of America
- Student Excellence Award, UNCG Honors Council
- Phi Beta Kappa Honor Society, UNCG
- Beta Beta Beta Biological Honor Society, UNCG

TEACHING EXPERIENCE

Teaching Philosophy: I weave critical thinking into the classroom via strong conceptual narratives that connect course content with overarching themes of biodiversity, evolution, and the scientific method.

Lecture Positions

- 2010-Present **Plant Taxonomy; Economic Botany; Biology of Cryptogams; Dendrology (Trees); Introductory Biology; Honors Biology; Genetics; Introduction to Research in Biology; Biodiversity; Evolutionary Biology; Advanced Plant Biology; Field Botany; Seminar in Molecular Genetics; Seminar in Genetics,** Jacksonville State University.
- 2006 **Plant Anatomy,** Iowa State University. Guest Lecturer.
- 2005 **Plant Taxonomy,** Iowa State University. Guest Lecturer in course taught by R. Wallace. Presented lectures on select families of flowering plants, including overviews of phylogenetic relationships and morphological characters.
- 2002-2003 **Field Botany,** Iowa State University. Fully organized and executed a semester long course (2 contact hours per week); developed course syllabus; delivered lectures; led field trips and developed labs, three lecture exams and one lab practical (2 semesters).
- 1998-1999 **Concepts in Biology,** Davis & Elkins College, WV. Fully organized and executed a semester long course with laboratory (6 contact hours per week). The curriculum was specifically designed to engage non-majors in science (3 semesters).

Graduate Teaching Assistantships

- 2004 **Dendrology,** Iowa State University. Organized and facilitated laboratory sections; assisted in writing and grading laboratory exams and projects (2 semesters).
- 2003-2004 **Plant Taxonomy,** Iowa State University. Fully organized and facilitated laboratory sections; assisted in grading laboratory and lecture exams (2 semesters).
- 2002-2003 **Principles of Biology,** Iowa State University. Organized and executed laboratory sections and field trips, created and graded laboratory practicals, lecture exams, lab reports, and numerous writing assignments project (2 semesters).
- 1992-1993 **Introductory Biology,** Cornell University. Organized and facilitated laboratory sections; graded laboratory and lecture exams (4 semesters).

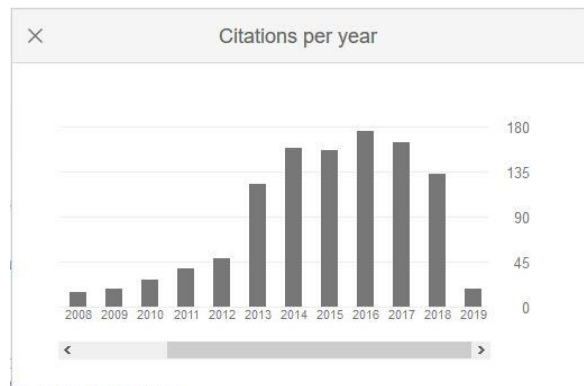
Mentoring Experience (*resulted in co-authored publications)

- 2010-2019 Derek Peacock; Jesse Jamison, Linda Major, Jennifer Morton, Jayne Lampley, Brian Ingram, Amanda Henderson, Kevin McDonald, Yunis Altabeb, Stephen Gormely, Brittany Strott, Mashanda Kinard, Cynthia Green, Shawn Waddell (JSU)
- 2008-2009 Jinshun Zhong, Aileen Simpson (Kellogg Lab, UMSL)

- 2007 Yuxiao Zhang* (Visiting Scholar, Kunming Institute of Botany, China)
- 2007 Kim Oltrogge* (Plant Genomics/Summer Research Experience for Teachers)
- 2007 Eric Schroder* (Freshman Honors Program)
- 2007 Ana-Paula Santos-Gonçalves* (Universidade Estadual de Campinas, Brazil)
- 2006 Chi-Sing Ho* (Ames High School Student, Plant Genomics Outreach Program)
- 2006 Alicia Schiller*, Kim Oltrogge* (Plant Genomics Research Experience for Teachers)

Recent Public Outreach and Non-University Teaching Experience

- Keynote Speaker, JSU Arbor Day Celebration, Jacksonville, Alabama (February 15, 2018)
- Guest Speaker, Gadsden Garden Club, Jacksonville, Alabama. (March 4, 2014).
- Guest Speaker, Birmingham Botanical Garden, Birmingham, Alabama. (December 14, 2013).
- Guest Speaker, Jacksonville Garden Club, Jacksonville, Alabama. (November 13, 2013).
- Guest Speaker, 1st Annual XTERRA Alabama Henry Farm Park Trail Race, Jacksonville, Alabama. (October 19, 2013).
- Guest Speaker, Cheaha State Park, Delta, Alabama. (October 5, 2013).
- Guest Speaker, Coleman Lake Campfire Talks, Anniston, Alabama. (August 24, 2013).
- Guest Speaker, DeSoto State Park Campfire Talks, Fort Payne, Alabama. (August 17, 2013).
- Guest Speaker, US Forest Service, Shoal Creek Ranger District of the Talladega National Forest, Alabama. (June 12, 2013).
- Guest Speaker, Birmingham Botanical Garden, Birmingham, Alabama. (June 8, 2013).
- Guest Speaker, JSU Field Schools, Jacksonville, Alabama. (April 5, 2013).
- 2013 Ethnobotany. Presented
- 2012 **Native Plants for Honeybees.** Presented to the Northeast Alabama Beekeepers Association. April 12, 2012.
- 2009 **Advanced field identification and an overview of current research in bamboo systematics,** American Bamboo Society Annual Conference, Takoma, WA. Invited workshop leader. Presented lectures on molecular phylogenetics for a general audience; designed hands-on activities to introduce methods in phylogenetic analysis, including sequence-alignment, tree-thinking, and character mapping. Designed and led workshops on plant identification and the use and construction of taxonomic keys.
- 2007-2008 **Bamboo Identification Workshop,** Earth Advocates Research Farm, Summertown, TN. Invited workshop leader, two years in a row. Presented lectures on bamboo taxonomy and evolution, facilitated bamboo identification, and led field trips. Participants included professional nurserymen and amateur botanists.



PEER-REVIEWED PUBLICATIONS *Denotes student co-author under my supervision

- 28. Lampley*, J. A., B. G. Blair, N. O. Mwebi and **J. K. Triplett.** Progenitor–derivative relationships in North American *Polygonatum* (Ruscaceae) based on AFLP and cpDNA evidence. In review (*Systematic Botany*).
- 27. Lampley*, J. A., **J. K. Triplett,** J. R. Rayburn, and N. O. Mwebi. Variation in the antioxidant and total phenolic content of native North American Solomon’s-Seal (*Polygonatum*) with geographic and taxonomic differences. In preparation for *Biochemical Systematics and Ecology*.
- 26. **Triplett, J.K.** and L.G. Clark. Hybridization defines major patterns of diversity in the temperate bamboos (Poaceae: Bambusoideae: Arundinarieae). In review (*Systematic Botany*).
- 25. Keener, B. R., A.R. Diamond, L. J. Davenport, P. G. Davison, S. L. Ginzburg, C. J. Hansen, C. S. Major, D. D. Spaulding, **J. K. Triplett,** and M. Woods. 2019. Alabama Plant Atlas. [S.M. Landry and K.N. Campbell (original application development), Florida Center for Community Design and Research. University of South Florida]. University of West Alabama, Livingston, Alabama.
- 24. Barger, T.W., C. T. Taylor, A. S. Peters, B. D. Holt, **J. K. Triplett,** and J. K. England. 2018. The Vascular Flora of the Freedom Hills Forever Wild Tract, Colbert County, Alabama. *Castanea* 83 (2): 305-322.

23. **Triplett, J.K.**, Clark, L.G., Fisher, A.E., Wen, J. 2014. Independent allopolyploidization events preceded speciation in the temperate and tropical woody bamboos. *New Phytologist*, 204(1), 66-73.
22. Burke, S. V., Clark, L. G., **Triplett, J. K.**, Grennan, C. P., Duvall, M. R. 2014. Biogeography and Phylogenomics of New World Bambusoideae (Poaceae), revisited. *American Journal of Botany*, 101(5), 886-891.
21. Attigala, L., **Triplett, J.K.**, Kathriarachchi, H.-S., Clark, L.G. 2014. A new genus and a major temperate bamboo lineage of the Arundinarieae (Poaceae: Bambusoideae) from Sri Lanka based on a multi-locus plastid phylogeny. *PhytoTaxa*, 174(4), 1179-3155. [dx.doi.org/10.11646/phytotaxa.174.4.1](https://doi.org/10.11646/phytotaxa.174.4.1)
20. Kelchner, S.A., Clark, L.G., Cortés, G., Oliveira, R.P., Dransfield, S., Filgueiras, T., Fisher, A.E., Guala, G.F., Hodkinson, T., Judziewicz, E., Kumar, M., Li, D.-Z., Londoño, X., Mejia, M.T., Santos-Gonçalves, A.P., Stapleton, C., Sungkaew, S., **Triplett, J.K.**, Widjaja, E., Wong, K.M., Xia, N.-H. 2013. Higher level phylogenetic relationships within the bamboos (Poaceae: Bambusoideae) based on five plastid markers. *Molecular Phylogenetics and Evolution* 67: 404-413.
19. Steury, B. W., **J.K. Triplett**, and J. Parrish. 2013. Noteworthy collections: Virginia, Maryland, and District of Columbia. *Castanea*, 78(2), 138-139.
18. Hamissou, M., A.C. Smith, R. E. Carter, and **J.K. Triplett**. 2013. Antioxidative properties of bitter melon (*Momordica charantia*) and zucchini (*Cucurbita pepo*). *Emir. J. Food Agric.* 25 (9): 641-647.
17. Zhang, Y.-X., **J.K. Triplett**, and De-Zhu Li. 2013. *Pseudosasa xishuangbannaensis* (Poaceae: Bambusoideae), a new species from Yunnan, China. *Brittonia*, 65(2), 228-231.
16. **Triplett, J.K.**, Y. Wang, J. Zhong, and E.A. Kellogg. 2012. Five nuclear loci resolve the polyploid history of switchgrass and relatives. *PLoS ONE* 7 (6): e38702.
15. Bennetzen, J.L. et al. 2012. Reference genome sequence of the model plant *Setaria*. *Nature Biotechnology* 30 (6): 555-561.
14. Liu, Q., **J.K. Triplett**, J. Wen, and P.M. Peterson. 2011. Allotetraploid origin and divergence in *Eleusine* (Chloridoideae, Poaceae): evidence from low-copy nuclear gene phylogenies and a plastid gene chronogram. *Annals of Botany* 108 (7) 1287-1298
13. Zeng, C.-X., Y.-X. Zhang*, **J.K. Triplett**, J.-B. Yang, and D.Z. Li. 2010. Large multi-locus plastid phylogeny of the tribe Arundinarieae (Poaceae: Bambusoideae) reveals ten major lineages and low rate of molecular divergence. *Molecular Phylogenetics and Evolution* 56: 821-839.
12. **Triplett, J.K.**, K. Oltrogge*, and L.G. Clark. 2010. Phylogenetic relationships and natural hybridization among the North American woody bamboos (Poaceae: Bambusoideae: *Arundinaria*). *American Journal of Botany* 97(3): 471-492.
11. **Triplett, J.K.** and L.G. Clark. 2010. Phylogeny of the temperate bamboos (Poaceae: Bambusoideae) with an emphasis on *Arundinaria* and allies. *Systematic Botany* 35(1): 102-120.
10. Fisher, A.E., **J.K. Triplett**, C.-S. Ho*, A.D. Schiller*, K.A. Oltrogge*, E.S. Schroeder*, S.A. Kelchner, and L. G. Clark. 2009. Paraphyly in the bamboo subtribe Chusqueinae (Poaceae: Bambusoideae) and a revised infrageneric classification for *Chusquea*. *Systematic Botany* 34(4): 673-683.
9. **Triplett, J.K.** and L.G. Clark. 2009. Towards a stable nomenclature for the North American temperate bamboos: Epitypification of *Arundo gigantea* Walt. and *Arundinaria macrosperma* Michx. (Poaceae). *Castanea* 74(3): 207-212.
8. Clark, L.G., S. Dransfield, **J.K. Triplett**, and J.G. Sánchez-Ken. 2007. Phylogenetic relationships among the one-flowered, determinate genera of Bambuseae (Poaceae: Bambusoideae). *Aliso* 23: 315-332.
7. Clark, L.G., C.D. Tyrrell, **J.K. Triplett** and A.E. Fisher. 2007. A new species of *Chusquea* sect. *Verticillatae* (Poaceae: Bambusoideae) from Ecuador. *J. Bot. Res. Inst. Texas* 1(2): 847-851.
6. Clark, L.G. and **J.K. Triplett**. 2007. *Arundinaria* Michx. Flora of North America, Poaceae Vol. 24: 17-20.
5. **Triplett, J.K.**, A.S. Weakley, and L.G. Clark. 2006. Hill cane (*Arundinaria appalachiana*), a new species of bamboo (Poaceae: Bambusoideae) from the southern Appalachian Mountains. *SIDA* 22 (1): 79-85.
4. **Triplett, J.K.** and L.G. Clark. 2003. Ambiguity and an American bamboo: the *Chusquea culeou* species complex. *Bamboo Science and Culture* 17(1): 21-27.
3. Simms, E.L. and **J.K. Triplett**. 1996. Paternal effects in inheritance of a pathogen resistance trait in *Ipomoea purpurea*. *Evolution*. 50: 2178-2186.
2. Simms, E.L. and **J.K. Triplett**. 1994. Costs and benefits of plant responses to disease: resistance and tolerance. *Evolution*. 48: 1973-1985.
1. **Triplett, J.K.** and B.K. Kirchoff. 1991. Lamina architecture and anatomy in the Heliconiaceae and Musaceae (Zingiberales). *Canadian Journal of Botany* 69: 887-900.

NON-TECHNICAL PUBLICATIONS AND WEB-BASED OUTREACH

- Schiller, A.D., K. Oltrogge, **J.K. Triplett**, and L.G. Clark. 2007. The Species of *Chusquea* subgenus *Rettbergia* in Brazil. <http://www.eeob.iastate.edu/research/bamboo/keys.html>
- Triplett, J.K.** and L.G. Clark. 2007. Native and Naturalized Bamboos in the USA. <http://www.eeob.iastate.edu/research/bamboo/keys.html>
- Bamboo Phylogeny Group. 2006. The Bamboo Phylogeny Project. *Bamboo Magazine* 27 (6):11-14.
- Triplett, J.K.** 2006. Exploring the evolution of cane in North America. *Bamboo Magazine*. 27 (5): 9-14.

PRESENTATIONS

Papers Presented at Professional Meetings

- Wysocki, W.P., Clark, L.G., Kelchner, S.A., Burke, S.V., Pires, C.J., Edger, P., Mayfield-Jones, D., **Triplett, J.K.**, Columbus, J.T., Ingram, A.L., Duvall, M.R.. 2014. A Multi-Step Comparison of Short-Read Full Plastome Sequence Assembly Methods in Grasses. Botanical Society of America, Boise, ID.
- Cline, G.R., Rayburn, J.R., **Triplett, J.K.** 2014. BioBlitz survey of the Calhoun County Career Technical Center property, AL. Alabama Academy of Science, Auburn, AL.
- Tolley-Jordan, L., Meade, M.E., Murdock, C.A., **Triplett, J.K.**, 2014. Active Science for Active Minds: Hands on science in the Alabama Outdoors. Alabama Academy of Science, Auburn, AL.
- Lampley, J.A., Mwebi, N.O., **Triplett, J.K.** 2014. Solomon's - seal (*Polygonatum biflorum*): an investigation into the bioactive compounds of the medicinal plant in the southeastern United States. Alabama Academy of Sciences, Auburn University.
- Gregg, K.D., **Triplett, J.K.**, Tsikalas, S., 2013. Biogeographic Studies of the Native Bamboo Genus *Arundinaria* - CSI (Cane Species Investigations) Jacksonville, Geology and Geography Colloquium, Auburn University.
- Lampley, J.A., **Triplett, J.K.** 2013. A phylogeographic study of *Polygonatum* in the Southeastern United States using AFLPs, DNA sequences, and morphological data. Botanical Society of America, New Orleans, LA.
- Attigala, L., **Triplett, J.K.**, Clark, L.G. 2013. Low copy nuclear markers support the monophyly of the Sri Lanka *Arundinaria* clade (Poaceae: Bambusoideae: Arundinarieae). Botanical Society of America, New Orleans, LA.
- Clark, L.G., Kelchner, S.A., Li, D.-Z., Oliveira, P., Fisher, A., **Triplett, J.K.** 2013. Recent advances in understanding the evolution and systematics of the Bambusoideae (Poaceae). Monocots V, The New York Botanical Garden & Fordham University, Bronx, New York.
- Triplett J.K.** and J.W. Jamison. 2013. The evolution of North American cane bamboos (Poaceae: *Arundinaria*) as revealed by nuclear and chloroplast DNA. Annual Meeting, Botanical Society of America, New Orleans, LA.
- Triplett J.K.**, B.R. Ingram, J.W. Jamison, J.L. Atchley, H.M. Scott, L.L. Nanson, M. Trifas, and J.L. Case. 2013. When evolutionary paths cross again ... and again! Hybridization, polyploidy, and speciation in bamboos and other grasses. Annual Meeting, Association of Southeastern Biologists, Charleston, WV.
- Lampley, J.A., and **J.K. Triplett**. 2013. A phylogenetic analysis of the medicinal plant *Polygonatum biflorum* in the Southeastern United States. Annual Meeting, Association of Southeastern Biologists, Charleston, WV.
- McDonald, K.L., and **J.K. Triplett**. 2013. Vascular Flora of the Frank Spain Scout Reservation in Cleburne County, Alabama. Annual Meeting, Academy of Southeastern Biologists, Charleston, WV.
- Triplett J.K.**, L.G. Clark, J. Wen. 2012. Three nuclear loci resolve the polyploid history of the bamboos. Annual Meeting, Botanical Society of America, Columbus, Ohio.
- Triplett J.K.**, Jamison, J.W., Wen J. 2012. Introgressive hybridization and the evolution of North American cane bamboos as revealed by nuclear and chloroplast DNA. Annual Meeting, Alabama Academy of Sciences, Tuskegee, AL.
- Jamison, J.W., and **J.K. Triplett**. 2012. Introgressive hybridization and the evolution of North American cane bamboos as revealed by nuclear and chloroplast DNA. Annual Meeting, Association of Southeastern Biologists, University of Georgia, Athens, Georgia.
- Attigala, L., **J.K. Triplett** and L.G. Clark. 2011. A new major lineage of the Arundinarieae (Poaceae: Bambusoideae) based on a multi-locus plastid phylogeny. Annual Meeting, Botanical Society of America, St. Louis, MO.
- Triplett, J.K.**, L.G. Clark, J. Wen, and P.M. Peterson. 2011. Polyploid speciation on a grand scale: the evolution of the temperate bamboos. Annual Meeting, Botanical Society of America, St. Louis, MO.
- Triplett, J.K.**, J. Wen, L.G. Clark, P.M. Peterson, and D.-Z. Li. 2011. Hybridization, polyploidy, and taxonomic confusion: lessons from the temperate bamboos. Annual Meeting, Association of Southeastern Biologists, Huntsville, AL.
- Triplett, J.K.** 2011. In step with evolution: a classroom activity on DNA alignment and phylogeny reconstruction. Annual Meeting, Alabama Academy of Sciences, Jacksonville, AL.
- Triplett, J.K.**, J. Wen., L.G. Clark. 2011. Plant speciation in the realm of allopolyploids: the curious case of the temperate bamboos. Annual Meeting, Alabama Academy of Sciences, Jacksonville, AL.
- Triplett, J.K.**, L.G. Clark, J. Wen, P.M. Peterson, and D.-Z. Li. 2010. Reticulate evolution in the temperate bamboos (Poaceae: Bambusoideae: Arundinarieae): evidence from low-copy nuclear gene sequences. Annual Meeting, Botanical Society of America, Providence, RI.
- Viana, P.L., C.D. Tyrrell, **J.K. Triplett**, L.G. Clark. 2010. Phylogeny of the Arthrostylidiinae: the *Glaziophyton* clade (Poaceae: Bambusoideae: Bambuseae). Annual Meeting, Botanical Society of America, Providence, RI.
- Triplett, J.K.** and L.G. Clark. 2009. Molecular phylogenetics of *Pleiolobus* sensu stricto (Poaceae: Bambusoideae) and allies in the Japanese Archipelago. Annual Meeting, Botanical Society of America, Snowbird, UT.
- Triplett, J.K.**, J. Zhong, A. Simpson, E. Kellogg. 2009. Phylogenetic relationships and allopolyploid origins within *Panicum* sensu stricto (Poaceae: Panicoideae), as inferred from multiple nuclear and plastid loci. Annual Meeting, Botanical Society of America, Snowbird, UT.
- Triplett, J.K.** and L.G. Clark. 2008. Intergeneric hybridization in the temperate bamboos (Poaceae: Bambusoideae). Monocots IV and Grasses V Congress, Copenhagen, Denmark.

- Triplett, J.K.** and L.G. Clark. 2007. Unexpected relationships, morphological homoplasy, and intergeneric hybridization in the phylogeny of north temperate woody bamboos (Poaceae: Bambusoideae). Annual Meeting, Botanical Society of America, Chicago, IL.
- Fisher, Amanda E., **J.K. Triplett**, C-S Ho, A.D. Schiller, K. Oltrogge, E. Schroder, S.A. Kelchner, and L.G. Clark. 2007. Paraphyly in the bamboo subtribe Chusqueinae (Poaceae: Bambusoideae): a case of systematic error? Annual Meeting, Botanical Society of America, Chicago, IL.
- Triplett, J.K.** and L.G. Clark. 2006. Systematics of *Pleioblastus* and the *Arundinaria* bamboo complex (Poaceae) in East Asia and North America. Annual Meeting, Botanical Society of America, Chico, Ca.
- Clark, L.G. and **J.K. Triplett**. 2006. Phylogeny of the Bambusoideae (Poaceae): an update. Annual Meeting, Botanical Society of America, Chico, Ca.
- Triplett, J.K.**, A.S. Weakley, and L.G. Clark. 2005. Systematics of *Arundinaria* sensu stricto (Bambusoideae, Poaceae) in North America. Annual Meeting, Botanical Society of America, Austin, Tx.

Posters Presented at Professional Meetings

- Lamplsey, J.A., and **J.K. Triplett**. 2013. A phylogeographic study of *Polygonatum* in the Southeastern United States using AFLPs, DNA sequences, and morphological data. Annual Meeting, Botanical Society of America, New Orleans, LA.
- Lamplsey, J.A., F. Hutchinson, and **J.K. Triplett**. 2012. A Hidden Treasure in Northeastern Alabama: Revitalizing the Jacksonville State University Herbarium. Annual Meeting, Botanical Society of America, Columbus, Ohio.
- Triplett, J.K.**, J. Zhong, A. Simpson, E. Kellogg. 2009. The fundamental role of allopolyploidy in plant evolution: examples from the phylogeny of switchgrass and its relatives. Fall Symposium, Donald Danforth Plant Science Center, St. Louis, MO.
- Tyrrell, C.D., **J.K. Triplett**, A.P. Santos-Gonçalves, X. Londono, L.G. Clark. 2009. Phylogeny, morphological evolution, and generic classification within Arthrostylidiinae (Poaceae: Bambusoideae: Bambuseae). Annual Meeting, Botanical Society of America, Snowbird, UT.
- Tyrrell, C.D., A.P. Santos-Gonçalves, **J.K. Triplett**, and L.G. Clark. 2008. Polyphyly of the New World fan-branching bamboos (Poaceae: Bambusoideae). Annual Meeting, Botanical Society of America, Chicago, IL.
- Oltrogge, K., **J.K. Triplett**, and L.G. Clark. 2007. Evidence of natural hybridization and introgression among *Arundinaria* species (Poaceae: Bambusoideae) in the Southeastern United States. Research Experience for Teachers Symposium, Iowa State University, Ames, IA.

Invited Seminars

- 2013 Gregg, K.D., Tsikalas, S., **Triplett, J.K.** The quaternary expansion and contraction of biomes and the creation of distinctive populations of *Arundinaria gigantea* (river cane), Geography Department Lecture Series, Auburn University.
- 2013 Hybridization, allopolyploid speciation, and taxonomic confusion: lessons from the temperate bamboos and other grasses. MONOCOTS V: 5th International Conference, New York Botanical Garden, Bronx, NY.
- 2012 Plant diversification in the realm of allopolyploids: the curious case of the woody bamboos. Rancho Santa Ana Botanic Garden, Claremont, CA.
- 2010 Polyploidy, reticulate evolution, and taxonomic confusion: lessons from the temperate woody bamboos and other grasses. Botany Department, National Museum of Natural History, Washington, DC.
- 2008 Phylogeny and taxonomy of the genus *Arundinaria* (Poaceae: Bambusoideae). Annual Meeting, Association of Southeastern Biologists, Spartanburg, SC.
- 2008 Hanky-panky in the temperate bamboos: An evolutionary journey with unexpected twists (& trysts!). Annual Meeting, American Bamboo Society, San Francisco, CA.
- 2008 Phylogeny of the Temperate Bamboos in East Asia and North America. Biology Department, University of Missouri-St. Louis.

PROFESSIONAL ACTIVITIES

Department Service

- Committee Member, Grants Committee. (August 15, 2012 - Present).
- Committee Chair, Undergraduate Curriculum. (January 11, 2012 - Present).
- Committee Chair, Awards. (January 10, 2011 - Present).

College Service

- Committee Member, Department Chair Search Committee. (2013 -2015).
- Faculty Advisor, JSU Earth Club (August 2018 – Present)

Faculty Advisor, JSU Pre-Vet Club (September, 2017 – Present).
Faculty Advisor, JSU Quidditch Club. (October 10, 2012 – Present).

University Service

Faculty Senate (January 2018 – Present)
Committee Member, Faculty Research Grant Committee. (January 7, 2013 - Present).

Associate Editor: *Systematic Botany* (2012-2017)

Journal and Grant Proposal Referee: National Science Foundation; *Systematic Botany*; *Molecular Phylogenetics and Evolution*; *Botany*; *Journal of the Torrey Botanical Society*; *Journal of the Botanical Research Institute of Texas*; *Castanea*; *Nordic Journal of Botany*; *Bamboo Science and Culture*.

Field/Herbarium Experience

UNITED STATES: Herbarium research at the National Herbarium (Smithsonian Institution), the Missouri Botanical Garden, the Ada Hayden Herbarium of Iowa State University, and the University of North Carolina; collection-based fieldwork in Alabama, Arkansas, Florida, Georgia, Illinois, Indiana, Kentucky, Louisiana, Missouri, Mississippi, North Carolina, South Carolina, Tennessee, and Virginia (7/05-10/05). Field and greenhouse experiments in ecological genetics (1990-1992).

CHINA: Collection-based fieldwork, Southeastern China (4/10-5/10); Western China (5/07-6/07); Herbarium research at Kunming Institute of Botany (5/07); Research and collections at Xishuangbanna Tropical Botanical Garden (6/07). **JAPAN:** Fieldwork, Northern Honshu and Hokkaido (5/10); Herbarium research at Kyoto and Tokyo Universities, and the Makino Herbarium of Tokyo Metropolitan University (7/04-8/04). Collections in Kyoto Prefecture (8/04); Fieldwork, Honshu, Kyushu, Shikoku, and Okinawa (1/08-2/08).

Professional Memberships

American Bamboo Society, American Society of Plant Taxonomists, Association of Southeastern Biologists, Botanical Society of America, Smithsonian Institution, Society for the Study of Evolution, Society of Herbarium Curators