

Andrea M. Silletti

Odum School of Ecology, University of Georgia
Athens, GA 30602
Email: andrea.silletti@gmail.com

EDUCATION

M.S. Biology, 2000. Kansas State University, Manhattan, KS.
B.S. Environmental Studies-Biology, 1997. Bradley University, Peoria, IL

HONORS AND AWARDS

USDA Forest Service Certificate of Merit (2003, 2004)
Kansas State University Graduate School Fellowship
Kansas State University Center for Basic Cancer Research Travel Award
Bradley University Undergraduate Research Exhibition Excellence in Research /First place award
Phi Kappa Phi Academic Honor Society
Beta Beta Beta Biology Honor Society
Bradley University Academic Hall of Fame
National Merit Scholar

RESEARCH EXPERIENCE / POSITIONS HELD

2006-Present: Research Professional, Odum School of Ecology, University of Georgia, Athens, GA.

2013-2014: Scientific Managing Editor, *Environmental Management*, Springer.

2002-2006: Ecologist, USDA Forest Service, Southern Research Station, Clemson, SC.

2001-2002: Instructor, Department of Biology Instruction and Agricultural Education, Clemson University, Clemson, SC.

2000-2001: Research Associate, Oak Ridge National Laboratory, Oak Ridge, TN.

1997- 2000: Kansas State University. Thesis research, "Comparative ecology of the grassland C4 dominants *Andropogon gerardii* and *Sorghastrum nutans*."
Major advisor: Alan K. Knapp.

1996-1997: Bradley University Biology Department. Independent research (K.D.M. Mconnaughay, supervisor).
"The allocational effects of herbivory on leaves of different ages."

1996-1997: Research Assistant. Bradley University, Department of Biology. (K.D.M. McConnaughay, supervisor) "Comparing plant traits through growth and development."

PUBLICATIONS

Walker, J.L., A.M. Silletti and S. Cohen. 2010. Composition and structure of managed pine stands compared to reference longleaf pine sites on Marine Corps Base Camp Lejeune, North Carolina. *In* Stanturf, J.A. (ed). Proceedings of the 14th biennial Southern Silvicultural Research Conference. Gen. Tech. Rep. SRS-121, Asheville, N.C: U.S. Department of Agriculture, Forest Service, Southern Research Station.

Knapp, A. K., J.K. McCarron, A.M. Silletti, G.A. Hoch, J.L. Heisler, M.S. Lett, J.M. Blair, J.M. Briggs and M.D. Smith. 2008. Ecological consequences of the replacement of native grassland by *Juniperus virginiana* and other woody plants. pp. 156-169 *In*: O.W. Van Auken and P.N. Jurea (eds). Ecological

Studies Vol. 196, Western American Juniperus communities: A dynamic vegetation type. Springer-Verlag, NY.

- Walker, J. and A.M. Silletti. 2006. Restoring the ground layer of longleaf pine communities. In: Jose, Jokela, and Miller, eds. Longleaf Pine Ecosystems: Ecology, Management, and Restoration. Springer-Verlag.
- Walker, J. L. and A. M. Silletti. 2005. A three-year demographic study of the endangered plant *Harperocallis flava* McDaniel (Liliaceae): results and lessons learned. *Journal of the Torrey Botanical Society*: 551-560.
- Silletti, A. M. and A. K. Knapp. 2004. Competition and coexistence in grassland co-dominants: responses to neighbor removal and resource availability. *Canadian Journal of Botany* 82:450-460.
- Silletti, A. M. and J. L. Walker. 2003. Adaptive cluster sampling: an efficient method for assessing inconspicuous species. *Ecological Restoration* 21(4).
- Silletti, A. M. and A. K. Knapp. 2002. Assessing the ecological equivalence of the grassland dominants *Andropogon gerardii* and *Sorghastrum nutans*. *Plant Ecology* 163: 15-22.
- Silletti, A. M. and A. K. Knapp. 2001. Responses of the codominant grassland species *Andropogon gerardii* and *Sorghastrum nutans* to long-term manipulations of nitrogen and water. *American Midland Naturalist* 145:159-167.

MANUSCRIPTS IN PREPARATION

Walker, J. L., A. M. Silletti, and B. P. van Eerden. Seasonality of prescribed fire and drum chopping for restoring xeric longleaf pine woodlands.

PRESENTATIONS

- Walker, J.L., A.M. Silletti*, and S. Cohen. 2007. Composition and structure of managed pine stands compared to reference longleaf pine sites on Camp Lejeune, NC. Biennial Southern Silviculture Research Conference, Athens, GA. (*presenter, presentation).
- Silletti, A. M., J. L. Walker, and D. L. White. 2004. Abundance of ramps (*Allium tricoccum*) in the Southern Appalachians: variability in time and space. Association of Southeastern Biologists annual meeting, Memphis, TN (presentation).
- Roth, L. C., J. L. Walker, and A. M. Silletti. 2004. A practical guide to restoration of the ground-layer vegetation of longleaf pine communities: results of a region-wide collaboration. Society for Ecological Restoration, Southeastern Coastal Plain Chapter annual meeting, Raleigh, NC (poster).
- Silletti, A. M., J. L. Walker, and D. Madsen-Shulze. 2003. A three-year demographic study of the endangered plant *Harperocallis flava* McDaniel (Liliaceae): results and lessons learned. Association of Southeastern Biologists, Washington, DC. (presentation).
- Silletti, A. M. and J. L. Walker. 2003. Adaptive sampling in restoration projects: and introduction and an example. Society for Ecological Restoration, Southeastern Coastal Plain Chapter annual meeting, Athens, GA (presentation).
- Silletti, A. M. and A. K. Knapp. 2001 Effect of neighbor removal and fertilization on tallgrass prairie co-dominants. Ecological Society of America annual meeting, Madison, WI (poster).
- Wullschleger, S.D., A. M. Silletti, P. J. Hanson, and D. E. Todd. 2001. Relationships between stem diameter and sapwood area for ring- and diffuse-porous tree species. Ecological Society of America Annual Conference, Madison, WI (poster).
- Wullschleger, S. D., C. A. Gunderson, A. M. Silletti and K. B. Wilson. Sensitivity of stomatal and canopy conductance to elevated CO₂ concentration - Perspectives of scale. Stomata 2001 Conference,

Birmingham, England.

Silletti, A. M. and A. K. Knapp. 1999. Assessing the ecological equivalence of the C4 dominants *Andropogon gerardii* and *Sorghastrum nutans* in tallgrass prairie. Ecological Society of America Annual Conference, Spokane, Washington (presentation).

Silletti, A. M. and A. K. Knapp. 1998. Assessing the ecological equivalence of the grassland dominants *Andropogon gerardii* and *Sorghastrum nutans*. 10th Annual Konza Prairie Research Workshop (presentation).

Silletti, A., K.D.M. McConnaughay, and D. Plotner. 1997. The allocational effects of herbivory on leaves of different ages Ecological Society of America Annual Conference, Albuquerque, NM (presentation).

TEACHING EXPERIENCE

2001-2002 Lecturer, Department of Biology Instruction and Agricultural Education, Clemson University, Clemson, SC.

1999 -- Teaching Assistant, Introductory Botany, BIOL 210, Kansas State University

1998-1999 -- Teaching Assistant, Organismic Biology, BIOL 201, Kansas State University

1997, 2000-- Teaching Assistant, Principles of Biology, BIOL 198, Kansas State University

1997 -- Coordination of Restoration Ecology Seminar, BIO 570, Bradley University

1997 -- Coordination of Environmental Studies Seminar, BIO 470, Bradley University

OTHER ACTIVITIES

--Volunteer for Tennessee State Science Bowl.

--Graduate Student representative for Konza Prairie LTER

--Judge for Bluemont Elementary School Science Fair

--Involved with many activities at Konza Prairie Biological Station, including prescribed burning and guiding tours for visitors

--Teaching Assistant and demonstrator of investigative science exercises for students in several Peoria area grade schools