

Andrea M. Silletti

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EDUCATION

M.S. Biology, 2000. Kansas State University, Manhattan, KS.

B.S. Environmental Studies-Biology, 1997. Bradley University, Peoria, IL

HONORS AND AWARDS

USDA FS 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

2006-Present: Research Technician, Institute of Ecology, University of Georgia, Athens, GA.

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. McConnaughay, 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

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. *In review*. Ecological consequences of the replacement of native grassland by *Juniperus virginiana* and other woody plants. In: O.W. Van Auken and P.N. Jurea, eds). Ecology and Management of western North American *Juniperus* communities: a dynamic vegetation type.

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, oral 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 (oral 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. (Oral 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 (oral 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 presentation).
- 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 (oral presentation).

Silletti, A. M. and A. K. Knapp. 1999. Assessing the ecological equivalence of the C4 dominants *Andropogon gerardii* and *Sorghastrum nutans* in tallgrass prairie. Division of Biology. Graduate Student Forum, Kansas State University (oral 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 (oral presentation).

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

Silletti, A., K.D.M. McConnaughay, and D. Plotner. 1997. The allocational effects of herbivory on leaves of different ages Ninth Annual Undergraduate Research Conference, Butler University (oral 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