

# John Paul Schmidt

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## Education

PhD, Ecology, University of Georgia, 2006.

Dissertation: *Population Ecology of a Sandhill Shrub, Ceratiola ericoides (Sandhill Rosemary)*

MS, Botany, University of Georgia, 1994.

Thesis: *Herbaceous Plant Communities Along the Blue Ridge Parkway in Virginia and North Carolina*

BA, Philosophy, Emory University, 1986

## Publications (pdfs available)

Trapnell, DW, JP Schmidt, PF Quintana-Ascencio and JL Hamrick. 2007. Genetic insights into the biogeography of the southeastern North American endemic, *Ceratiola ericoides*. *Journal of Heredity* 98(6): 587-593.

Schmidt, JP. 2008. Sex ratio and spatial pattern of males and females in the dioecious sandhill shrub, *Ceratiola ericoides* - *Plant Ecology* 195(2): 281-288.

Trapnell, DW, JP Schmidt and JL Hamrick. 2008. Spatial genetic structure of the southeastern North American endemic, *Ceratiola ericoides*. *Journal of Heredity*: *In Press*.

## Articles submitted

Population Parameters for an Individual-Based Model of Population Dynamics of a Sandhill Endemic Shrub, *Ceratiola ericoides* - *Ecological Applications*, in review

Optimal Fire Management for a Sandhill Endemic Shrub, *Ceratiola Ericoides*: an Individual-Bases Modeling Approach - *Ecological Applications*, in review

## Presentations

Demography and management of a sandhill endemic species *Ceratiola ericoides*: using hierarchical Bayesian models for characterizing growth, survival, and fecundity in a short-term data set. 2006 Ecological Society of America Meetings

## **Grants and Awards**

- 2006-2008 \$140,000 grant from National Park Service to develop long-term vegetation monitoring protocols for parks in the southeastern U.S.
- 1999-2002 \$8000 grant from Georgia DNR to study restoration ecology of sandhill plant communities
- 2003 \$600 grant from Georgia Botanical Society to study population biology of sandhill rosemary (*Ceratiola ericoides*)

## **Research experience**

- 2008- present Post-doctoral research associate in the Drake lab (Odum School of Ecology) working on developing cost-sensitive predictors of invasiveness in plants
- 2006-2008 Post-doctoral Researcher, Institute of Ecology, (UGA) – funded by National Park Service – developing long-term vegetation monitoring protocols for southeastern U.S. units of the National Park System
- 1999- 2003 PhD Student in Ecology (UGA) - developed methods for analyzing land use change in Georgia since 1970 using satellite imagery, air photos, and ground data