

## Tamara S. Basham

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Plant Biology Graduate Program  
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### *Research Interests*

I am interested in investigating the mechanisms by which changes in plant community composition impact ecosystem function and the role of feedbacks between soil microbial and plant communities in such processes.

### *Education*

10/2005-Present

University of Texas, Austin, TX  
Doctoral candidate in Plant Biology

01/2001-05/2003

Texas Christian University, Fort Worth, TX  
MS, Environmental Science

08/1993-05/1997

Texas Christian University, Fort Worth, TX  
BS Environmental Science

### *Teaching experience*

01/2004 – Present University of Texas, Austin, TX

**Teaching Assistant**, Introductory Biology for Majors, Ecology & Introductory Ecology and Evolution. (Contact: Ruth Buskirk)

01/2001-05/2003 Texas Christian University, Fort Worth, TX

**Teaching Assistant** – Prepared and guided students in laboratory exercises in Environmental Science and Geology, (Contact: Glenn Kroh)

01/2000-06/2000 The Gambia College, The Gambia, West Africa

**Botany Lecturer** - Prepared and conducted lectures and laboratory exercises for non-native English speakers studying to become agricultural extension workers.

### *Practical Experience*

2001 – 2002 **Grassland Ecologist**, contractor for Texas Parks & Wildlife

- Vegetation classification and assessment of black-tailed prairie dog habitats in Texas short-grass prairies. (Contact: Jason Singhurst)

1997- 2000 **Natural Resources Volunteer**, United States Peace Corps, The Gambia, West Africa

- Organized and conducted agroforestry and organic farming training sessions in local languages (Wolof, Fula)
- Consultant to locally organized farmers' co-operatives & community forestry organizations
- Income generation and land management consultant to local orchard owners and women's gardening groups of Upper Baddibu

1999- 2000 **Researcher**, Agroforestry Program of the National Agricultural Research Institute, The Gambia, West Africa

- designed and conducted research investigating the applicability of agroforestry techniques to existing Gambian farming and land-tenure systems

### ***Manuscripts***

**Basham, TS**, Kroh, GC & Pinder, JE. *In review*. Prairie Dogs and cattle interactions on the Texas Llano Estacado.

**Basham, TS**, Kroh, GC & Pinder, JE. *In prep*. Flora composition associated with *Cynomys ludovicianus* in the Texas High Plains. Will be submitted to SIDA this spring.

Litvak, M, **Basham, TS**, Thjis, A & Poteet, MF. *In prep*. Impacts of Seasonal Burning on Net Ecosystem Exchange in a savanna grassland ecosystem.

### ***Thesis***

**Basham, T.S.** 2003. Classification of the Vegetation Associated with the Black-tailed Prairie Dog in the southern short-grass prairie of Texas. *MS Thesis*, Texas Christian University, Fort Worth, TX

### ***Contributed Papers***

**Basham, TS** & Litvak, M. 2006. Do physiological characteristics explain *Bothriochloa ischaemum* invasive success in central Texas savanna grasslands? Annual Meeting of the Texas Academy of Science, Beaumont, TX.

### ***Posters***

**Basham, TS**, Kroh, GC & Pinder, JE. 2005. Black-tailed prairie dog and cattle interactions on the Texas High Plains. Annual Ecological Society of America Meeting. Montreal, Canada.

**Basham, TS**, Kroh, GC & Pinder, JE. 2004. Black-tailed prairie dog colonization impacts on short-grass prairies of the Texas High Plains. Texas A&M Student Research Symposium, College Station, TX.

***Grants, Awards & Scholarships***

2005	Plant Biology Graduate Program Travel Award	\$700.00
2005	Plant Biology Graduate Program Research Award	\$700.00
2005	Environmental Science Institute Private Lands Research Grant (2 yrs)	\$8,000.00
2003-2004	Houston Rodeo Fellowship	\$20,000.00
2003	Outstanding Graduate Student Award, Biology Dept., Texas Christian University, Fort Worth, TX	
2002	Adkins Fellowship, Texas Christian University Fort Worth, TX	\$1500.00