

Biographical Sketch SAMUEL D. FUHLENDORF

Sarkeys Distinguished Professor, Natural Resource Ecology and Management
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(A) PROFESSIONAL PREPARATION

Angelo State University, San Angelo, TX	Agriculture	B.S., 1987
Texas A&M University, College Station, TX	Rangeland Ecology	M.S., 1992
Texas A&M University, College Station, TX	Rangeland Ecology	Ph.D., 1996
Texas A&M University, College Station, TX	Rangeland Ecology	Postdoc, 1996-97

(B) APPOINTMENTS

2008-Present	Sarkeys Distinguished Professor, Natural Resource Ecology & Management, Oklahoma State University
2006-Present	Professor, Department of Natural Resource Ecology & Management, Oklahoma State University, Stillwater, OK
2002-2006	Associate Professor, Department of Natural Resource Ecology & Management, Oklahoma State University, Stillwater, OK
1997-2002	Assistant Professor, Department of Natural Resource Ecology & Management, Oklahoma State University, Stillwater, OK

(C) PUBLICATIONS

i. Five Most Relevant Publications

1. Hovick, T.J., J.R. Miller, S.J. Dinsmore, D.M. Engle, E.M. Debinski, S.D. Fuhlendorf. 2012. Effects of fire and grazing on grasshopper sparrow nest survival. *Journal of Wildlife Management* **76**: 19-27.
2. Winter, S.L., S.D. Fuhlendorf, C.L. Goad, C.A. Davis, K.R. Hickman, D.M. Leslie, Jr. 2012. Restoration of the fire-grazing interaction in *Artemisia fillifolia* shrubland. *Journal of Applied Ecology* **49**: 242-250.
3. McGranahan, D.A., D. M. Engle, S. D. Fuhlendorf, J. R. Miller, and D.M. Debinski. 2012. An invasive cool-season grass complicates prescribed fire management in a native warm-season grassland. *Natural Areas Journal* **32**: 208-214.
4. Allred, B.W., S.D. Fuhlendorf, F.E. Smeins, and C.A. Taylor. 2012. Herbivore species and grazing intensity regulate community composition and an encroaching woody plant in semi-arid rangeland. *Basic and Applied Ecology* **13**: 149-158.
5. McGranahan, D.A., D.M. Engle, S.D. Fuhlendorf, S.J. Winter, J.R. Miller, D.M. Debinski. 2012. Spatial heterogeneity across five rangelands managed with pyric-herbivory. *Journal of Applied Ecology* **49**: 903-910.

ii. Five Other Significant Publications

1. Allred, B.W., S.D. Fuhlendorf, R.G. Hamilton. 2011. The role of herbivores in Great Plains conservation: comparative ecology of bison and cattle behavior. *Ecosphere* **2**: 1-17.
2. Fuhlendorf, S.D., D.M. Engle, J. Kerby, and R. Hamilton. 2009. Pyric Herbivory: Rewilding landscapes through the recoupling of fire and grazing. *Conservation Biology* **23**: 588-598.
3. Twidwell, D., S.D. Fuhlendorf, D.M. Engle, C.A. Taylor. 2009. Surface Fuel Sampling Strategies: Linking Fuel Measurements and Fire Effects. *Rangeland Ecology & Management* **62**: 223-229.
4. Kerby, J.D., S.D. Fuhlendorf, D.M. Engle. 2007. Landscape heterogeneity and fire behavior: scale-dependent feedback between fire and grazing processes. *Landscape Ecology* **22**: 507-516.
5. Fuhlendorf, S.D., W.C. Harrell, D.M. Engle, R.G. Hamilton, C.A. Davis, and D.M. Leslie Jr. 2006. Should heterogeneity be the basis for conservation? Grassland bird response to fire and grazing. *Ecological Applications* **16**(5): 1706-1716.

(D) SYNERGISTIC ACTIVITIES

- Conservation Effects Assessment Program. 2008-2012. United States Department of Agriculture-Natural Resource Conservation Service. Scientific evaluation of NRCS Conservation Practices to promote application of science to land management. Leader of *Prescribed Fire* team and member of the *Landscapes Perspective* team.
- Delivering on the promise of ecological science to improve land management: Ecological site descriptions, and informal discussion. 2005. Ecological Society of America. Organizers: Linda Wallace, University of Oklahoma, and Sam Fuhlendorf, Oklahoma State University. Section Sponsors : Rangeland Ecology Section
- Biogeochemistry of Grassland and Shrubland Ecosystems: Local to Regional Linkages and Impacts of Land Use. 2003 Ecological Society of America Annual Meeting. Organizers: Bob Nowak, University of Nevada, Reno; Sam Fuhlendorf, Oklahoma State University. Section Sponsors: Rangeland Ecology Section; Soil Ecology Section; Applied Ecology Section.
- Workshop – Strategies for Increasing the Relevance of Rangeland Ecological Research. 2003 Ecological Society of America Annual Meeting. Organizers: Jeff Herrick, USDA-ARS Jornada Experimental Range and Sam Fuhlendorf, Oklahoma State University.
- Fire Ecology and Management on Central and Southern Great Plains Rangelands. Society for Range Management Annual Meeting, Kansas City, Missouri. J. Ansley, Texas A&M, D. Engle and S.D. Fuhlendorf, Oklahoma State University

(E) COLLABORATORS & OTHER AFFILIATIONS

i. Collaborators and Co-Editors

Kristen Baum (Oklahoma State University); David Briske (Texas A&M); (Tulsa Community College); (Oklahoma State University); Justin Derner (USDA ARS); (Oklahoma State University); Dave Engle (Oklahoma State University); Fred Guthery (Oklahoma State University); (Oklahoma State University); (Oklahoma State University); Richard Teague (Texas A&M); Don Turton (Oklahoma State University); Bradford Wilcox (Texas A&M); Rod Will (Oklahoma State University).

ii. Graduate Advisors and Postdoctoral Sponsors

Steve Archer (University of Arizona, Postdoctoral sponsor), (Texas A&M)

iii. Thesis Advisor and Postgraduate-Scholar Sponsor

Alan Woodward (unknown); Wade Harrell (US FWS); Kimberly Suedkamp-Wells (BP Alternative Energy, Wind); Timothy Tunnell (The Nature Conservancy); Steven Smith (Noble Foundation); Hunter Anderson (Ohio State University); Luke Bell (US FWS); Dirac Twidwell (OSU); Megan McLachlin (BLM/DOI); Brady Allred (OSU); Angie Reid (Tall Timbers Fire Ecology Lab); Emily Hiatt (OSU); Ilana Bloom-Cornelius (OSU); Darrell Townsend (Grand River Dam Authority); Alexander Rybak (Florida Fish and Game); Jay Kerby (The Nature Conservancy); Chad Cummings (DOW Agrisciences); Ray Moranz (OSU); Steve Winter (US FWS); (OSU)