

Amy C. Ganguli

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EDUCATION AND TRAINING

Oklahoma State University	Rangeland Ecology (Crop Science) Dissertation Advisor: David Engle	Ph.D. 2005
Texas Tech University	Range Science Thesis Advisors: Robert Mitchell & Mark Wallace	M.S. 2000
University of Rhode Island	Wildlife Biology & Management	B.S. 1997

EMPLOYMENT

Assistant Professor of Range Science North Dakota State University, Fargo, ND	2009 - present
Research Ecologist USDA Forest Service, Rocky Mountain Research Station, Boise, ID	2008 - 2009
Ecosystem/Rangeland Ecologist Ecosystem Management Research Institute, Seeley Lake, MT	2005 - 2008
Graduate Research and Teaching Assistant Department of Plant and Soil Sciences, Oklahoma State University, Stillwater, OK	2000 - 2005
Research Associate Department of Rangeland Ecology and Management, University of Idaho, Moscow, ID	2000
Graduate Research Assistant Department of Range, Wildlife, and Fisheries Management, Texas Tech University, Lubbock, TX	1998 - 1999

OTHER APPOINTMENTS

Adjunct Faculty (Dickinson State University)	2010 - 2013
Affiliate Faculty (University of Idaho)	2009 - 2011
Adjunct Professor (University of Manitoba)	2006 - 2009

COMPETITIVE FUNDING

Since 2010 total funding = \$263,467 with \$138,087 coming directly to Ganguli

Genetics of Kentucky bluegrass and biotic/abiotic influences of bluegrass management efforts. 2011-2015. United States Fish and Wildlife Service. DeKeyser, E.S., S.E. Travers, and **A.C. Ganguli** (co-PI) \$99,000. (Ganguli's portion \$19,599)

Fire, Drought, and Grazing Interactions in Northern Mixed Prairie. 2011-2013 United States Department of Agriculture, Agriculture Research Service. **Ganguli, A.C.** (PI) \$35,500.

Influence of wildland restoration strategies post-wildfire on soil chemical and physical properties. 2010-2012. United States Department of Agriculture, Forest Service. **Ganguli, A.C.** and B.A. Newingham \$59,028. (Ganguli's portion as co-PI \$22,789)

Fire and nitrogen effects on red three-awn communities in the northern Plains. 2010-2011. United States Department of Agriculture, Agriculture Research Service. **Ganguli, A.C.** (PI) \$30,600.

Impacts of different timing intervals of prescribed burning and mowing on Kentucky bluegrass infested rangeland on Camp Grafton- South Unit. 2010-2012. North Dakota Army National Guard. Sedevic K.K, and **A.C. Ganguli** \$29,339. (Ganguli's portion as co-PI \$29,339)

Rangeland Pollinators: A special issue of *Rangelands*. 2010-2011. **Ganguli, A.C.** (PI) and J. Harmon.

Xerces Society for Invertebrate Conservation \$3,000.

USDA, Natural Resources Conservation Service \$5,000

USDA, Forest Service \$2,000

Pending Funding

Program for Research and Extension that Promotes the Adaptation of Ruminant Enterprises (PREPARE): Mitigation and resilience in the face of climate variability. 2012-2017. USDA-NIFA. Johnson, K.A. and others \$10,000,000. (Ganguli's portion as co-PI \$338,086)

Other Funding

Using NRCS ecological sites and ecosystem modeling for collaborative conservation and management planning. 2008-2009. USDA-NRCS Montana Conservation Innovation Grant. **Ganguli, A.C.** (PI), J.B. Haufler, C.A. Mehl. \$70,000*.

A measurement system for offsite mitigation that uses NRCS ecological sites to enhance ecosystem health and wildlife habitat. 2008-2009. USDA-NRCS Colorado Conservation Innovation Grant. Haufler, J.B. (PI), C.A. Mehl, and **A.C. Ganguli**. \$81,880*.

Clearwater valley coordinated invasive species management. 2008. Seeley Lake Community Foundation. **Ganguli, A.C.** (PI), J.B. Haufler. \$2,500*.

*Funding obtained while Ganguli was employed by the Ecosystem Management Research Institute (EMRI). Funding was relinquished when Ganguli left EMRI in 2008.

PUBLICATIONS

Ganguli A.C. and J. Harmon. 2011. An introduction to the special issue on pollinators. *Rangelands* 6:3.

Harmon, J., **A.C. Ganguli**, and M. Solga. 2011. An overview of pollination in rangelands: who, why, and how. *Rangelands* 33:4-8.

Ganguli, A.C., M.B. Hale, and K.L. Launchbaugh. 2010. Seasonal change in nutrient composition of spotted knapweed and preference by sheep. *Small Ruminant Research* 89:47-50. doi:10.1016/j.smallrumres.2009.11.008.

Ganguli, A.C., D.M. Engle, P.M. Mayer, and E.C. Hellgren. 2008. Plant community diversity and composition provide little resistance to *Juniperus* expansion. *Botany* 86:1416-1426. doi:10.1139/B08-110.

Ganguli, A.C., D.M. Engle, S.D. Fuhlendorf, and P.M. Mayer. 2008. When are native species

inappropriate for conservation planting? *Rangelands* 30:27-32.

Horncastle, V.J., E.C. Hellgren, P.M. Mayer, **A.C. Ganguli**, D.M. Engle, and D.M. Leslie, Jr. 2005. Community structure of small mammals: implications of invasion by eastern redcedar (*Juniperus virginiana*) in the Great Plains. *Mammalogy* 86:1144-1155.

Vermeire, L.T., **A.C. Ganguli**, and R.L. Gillen. 2002. A robust visual obstruction model for estimating standing crop across rangeland regions. *Journal of Range Management* 55:494-497.

Ganguli, A.C., L.T. Vermeire, R.B. Mitchell, and M.C. Wallace. 2000. Comparison of four non destructive techniques for estimating standing crop in shortgrass plains. *Agronomy Journal* 92:1211-1215.

In Review

Newingham, B.A., **A.C. Ganguli**, and B.J. Orr. (*In Review*). Integrated approaches to using technology in the classroom. *Rangelands* (Invited paper for the June 2012 issue).

Book Chapters

Haufler, J.B., and **A.C. Ganguli**. 2006. Benefits of Farm Bill grassland conservation practices to wildlife. Pages 64-82 *in*: Fish and wildlife response to farm bill conservation practices. The Wildlife Society, Bethesda, Maryland.

Other Publications and Proceedings

Ganguli, A.C., J.B. Haufler, C.A. Mehl, J.D. Chew. 2011. Incorporating historical ecosystem diversity into conservation planning efforts in grass and shrub ecosystems. Pages 171-178 *in*: Wambold, C.L., S.G. Kitchen, M.R. Frisina, B.F. Sowell, R.B. Keigley, P.K. Palacios, and J.A. Robinson, comps. *Proceedings – Shrublands: Wildlands and Wildlife Habitats*; 2008 June 17-19; Bozeman, Mt. Natural Resources and Environmental Issues, Vol XVI.

Ganguli, A.C., J.B. Haufler, C.A. Mehl, S.D. Yeats. 2011. Ecological assessments of sagebrush grasslands in eastern Wyoming. Pages 249-257 *in*: Wambold, C.L., S.G. Kitchen, M.R. Frisina, B.F. Sowell, R.B. Keigley, P.K. Palacios, and J.A. Robinson, comps. *Proceedings – Shrublands: Wildlands and Wildlife Habitats*; 2008 June 17-19; Bozeman, Mt. Natural Resources and Environmental Issues, Vol XVI.

Ganguli, A.C., R.B. Mitchell, M.C. Wallace and L.T. Vermeire. 1999. Can grassland biomass be indirectly predicted through light attenuation? *Nutritional Ecology of Herbivores*. Posters and Discussion of Plenary Topics and Posters at the Fifth International Symposium on the Nutrition of Herbivores (CD-ROM).

Technical Reports

Shaw, N., B.A. Newingham, **A.C. Ganguli**, A.L. Hild, R.D. Cox, J. Truax, M. Pellant, and D. Pyke. 2011. Equipment and strategies to enhance the post-wildfire establishment and persistence of Great Basin Native Plants. Final Report pp. 29. Joint Fire Science Project Number 07-1-3-12.

Haufler, J.B., C.A. Mehl, **A.C. Ganguli**, and S.D. Yeats. 2008. Ecological assessment of terrestrial ecosystems in Thunder Basin, Wyoming. Ecosystem Management Research Institute Technical Report, pp. 174. Available on-line <http://www.emri.org>.

Ganguli, A.C., S.D. Yeats, C.A. Mehl, and J.B. Haufler. 2007. Description of grassland diversity for the Great Plains of North America. *In*: A grassland conservation plan for prairie grouse. Compiled by W. L. Vodehnal, and J. B. Haufler. North American Grouse

Partnership Fruita, CO. pp. A1-A165. Available on-line
http://grousepartners.org/Conservation_Plan-2007.htm.

PRESENTATIONS AND ABSTRACTS

Presentations at Scientific Meetings

- Dufek, N., L. Vermeire, R. Waterman, and **A. Ganguli**. 2012. Fire and Nitrogen Fertilization Effects on Purple Threeawn *in vitro* fermentation and gas production. Society for Range Management 65th annual meeting, Spokane, Washington. (abstract: CD-ROM)
- Ganguli, A.C.**, and B.A. Newingham. 2012. Seed drilling effects on soil infiltration properties in the sagebrush steppe after wildfire. Society for Range Management 65th annual meeting, Spokane, Washington. (abstract: CD-ROM)
- Newingham, B.A., and **A.C. Ganguli**. 2012. Evaluating post-fire seeding techniques on soil erosion in the Great Basin. Society for Range Management 65th annual meeting, Spokane, Washington. (abstract: CD-ROM)
- Russell, M., L. Vermeire, J. Hendrickson, and **A. Ganguli**. 2012. Fire season and frequency effects on native grass bud banks in the Northern Great Plains. Society for Range Management 65th annual meeting, Spokane, Washington. (abstract: CD-ROM)
- Shaw, N., R. Cox, M. Pellent, L. St. John, J. Truax, **A. Ganguli**, A. Hild. 2012. Equipment and strategies to enhance post-wildfire establishment of Great Basin native plants. Society for Range Management 65th annual meeting, Spokane, Washington. (abstract: CD-ROM)
- Solga, M., J. Harmon, and **A. Ganguli**. 2012. Timing is everything: How environmental changes may disrupt the timing of plant-pollinator interactions. Society for Range Management 65th annual meeting, Spokane, Washington. (abstract: CD-ROM)
- Strong, D.J., L.T. Vermeire, and **A.C. Ganguli**. 2012. Fire and nitrogen effects on purple threeawn-invaded plant communities. Society for Range Management 65th annual meeting, Spokane, Washington. (abstract: CD-ROM)
- Newingham, B.A., and **A.C. Ganguli**. 2011. Comparing the effects of post-fire seeding techniques on soil erosion in a dryland system. Association for Fire Ecology Interior West Conference, Snowbird, Utah.
- Newingham, B.A., and **A.C. Ganguli**. 2011. Soil responses to post-fire seeding techniques. VI Intermountain Native Plant Summit, Boise, Idaho.
- Wissinger, B.D., **A.C. Ganguli**, and B.A. Newingham. 2010. Plant nutrient availability following wildfire and different restoration practices in a sagebrush community in northwestern Utah. Ecological Society of America 95th annual meeting, Pittsburg, Pennsylvania, (abstract: CD-ROM)
- Newingham, B.A., **A.C. Ganguli**, and N.L. Shaw. 2009. Comparing the effects of fire and restoration drilling on soil properties in the Great Basin. Great Basin Native Plant Selection and Increase Project meeting. Boise, Idaho.
- Shaw, N.L., R. Cox, **A.C. Ganguli**, B.A. Newingham, L. St. John, D. Ogle, and J. Truax. 2009. Seeding strategies and equipment for re-establishing Wyoming big sagebrush communities. Great Basin Native Plant Selection and Increase Project meeting. Boise, Idaho.
- Ganguli, A.C.**, J.B. Haufler, C.A. Mehl, and J.D. Chew. 2008. Incorporating historical ecosystem diversity into conservation planning efforts in grass and shrub ecosystems.

Shrublands: wildlands and wildlife habitat, 15th Annual Wildland Shrub Symposium, Bozeman, Montana.

Ganguli, A.C., J.B. Haufler, C.A. Mehl, and S.D. Yeats. 2008. Ecological assessment of sagebrush grasslands in eastern Wyoming. Shrublands: wildlands and wildlife habitat, 15th Annual Wildland Shrub Symposium, Bozeman, Montana.

Ganguli, A.C., J.B. Haufler, C.A. Mehl, and S.D. Yeats. 2008. Assessing native prairie conditions in the Missouri Coteau of South Dakota. Society for Range Management 61st annual meeting, Louisville, Kentucky. (abstract: CD-ROM)

Haufler, J.B., C.A. Mehl, **A.C. Ganguli**, and S.D. Yeats. 2008. Implementing prairie and sagebrush ecosystem restoration in Thunder Basin, Wyoming. Society for Range Management 61st annual meeting, Louisville, Kentucky. (abstract: CD-ROM)

Haufler, J.B., C.A. Mehl, and **A.C. Ganguli**. Using ecological site descriptions to guide restoration of native ecosystems. 2007. Ecological site descriptions as a management tool, Park City, Utah.

Ganguli, A.C., J.B. Haufler, C.A. Mehl, and J.D. Chew. 2007. Modeling historical ecosystem diversity in grasslands using SIMPPLLE. Society for Range Management 60th annual meeting, Reno, Nevada. (abstract: p.110)

Haufler, J.B., **A.C. Ganguli**, S.D. Yeats, and C.A. Mehl. 2007. Classifying and mapping historical ecosystem diversity of the Great Plains. Society for Range Management 60th annual meeting, Reno, Nevada. (abstract: pp.129-130)

Haufler, J.B., **A.C. Ganguli**, C.A. Mehl, and S.D. Yeats. 2007. Conservation planning along Montana's Front Range: Are we conserving the right ecosystem conditions? Montana Chapter of the Wildlife Society annual meeting, Bozeman, Montana. (abstract: p.26)

Ganguli, A.C., D.M. Engle, and P.M. Mayer. 2006. Influence of resource availability on *Juniperus virginiana* expansion in a forest-prairie ecotone. Society for Range Management 59th annual meeting, Vancouver, British Columbia. (abstract: pp.79-80)

Haufler, J.B., C.A. Mehl, **A.C. Ganguli**, and S.D. Yeats. 2006. A collaborative grassland planning effort in Eastern Wyoming. Society for Range Management 59th annual meeting, Vancouver, British Columbia. (abstract: pp.103-104)

Ganguli, A.C., D.M. Engle, and P.M. Mayer. 2003. Limitations to eastern redcedar growth and survival. Society for Range Management 56th annual meeting, Casper, Wyoming. (abstract: p.84)

Ganguli, A.C., D.M. Engle, S.D. Fuhlendorf, and P.M. Mayer. 2002. Conservation programs that promote invasive species. Ecological Society of America 55th annual meeting, Tucson, Arizona. (abstract: p.135)

Ganguli, A.C., D.M. Engle, and S.D. Fuhlendorf. 2002. When does a native species become invasive? Society for Range Management 55th annual meeting, Kansas City, Missouri. (abstract: pp.109-110)

Ganguli, A.C., S.D. Fuhlendorf, D.M. Engle, and T.R. Tunnell. 2001. Tallgrass prairie response to patch burning in Oklahoma. 4th Biennial Symposium on Multivariate Methods in Ecology, Stillwater, Oklahoma.

Ganguli, A.C., D.M. Engle, and S.D. Fuhlendorf. 2001. When conservation programs go bad: eastern redcedar distribution in the United States. Prairie Grouse Technical Council 24th biennial meeting, Woodward, Oklahoma. (abstract: pp.14-15)

- Jones, M.B., **A.C. Ganguli**, K.L. Launchbaugh and M.B. Hale. 2001. Potential forage value of spotted knapweed. The First International Knapweed Symposium of the 21st Century, Coeur d'Alene, Idaho. (abstract: p.83)
- Ganguli, A.C.**, K.L. Launchbaugh and M.B. Hale. 2001. Potential forage value of spotted knapweed: weed or feed? Society for Range Management 54rd annual meeting, Kona, Hawaii. (abstract: p.45)
- Ganguli, A.C.**, and J. Powell. 2001. Electronic communications and The Society for Range Management. Society for Range Management. 54rd annual meeting, Kona, Hawaii.
- Clark, S.L., **A.C. Ganguli**, J.E. Clark, and D.M. Engle. 2000. Changes in the woody plant community composition and structure as a result of herbicide and fire disturbances of an upland oak forest in Oklahoma. Oklahoma State University Society for Environmental Scientists 3rd annual research reception, Stillwater, Oklahoma.
- Vermeire, L.T., **A.C. Ganguli**, and R.L. Gillen. 2000. Robust visual obstruction models for estimating standing crop across four rangeland regions. Society for Range Management 53rd annual meeting, Boise, Idaho. (abstract: p.35)
- Ganguli, A.C.**, L.T. Vermeire, R.B. Mitchell, and M.C. Wallace. 2000. Evaluation of four non-destructive techniques to estimate biomass on the Southern High Plains. Society for Range Management 53rd annual meeting, Boise, Idaho. (abstract: p.109)
- Ganguli, A.C.**, L.T. Vermeire, R.B. Mitchell, and M.C. Wallace. 1999. Estimating grassland biomass with four non-destructive techniques. Fourth symposium of biological research in the Jemez Mountains, New Mexico. (abstract: p.14)
- Wallace, M.C., R.B. Mitchell, S.M. Fetting, C.D. Allen, S.P. Rupp, J. Davidson, **A.C. Ganguli**, and E. Wolf. 1999. Elk impact modeling on Bandelier: a new synthesis. Fourth Symposium of Biological Research in the Jemez Mountains, New Mexico. (abstract: p.13)
- Ganguli, A.C.**, L.T. Vermeire, R.B. Mitchell, and M.C. Wallace. 1999. Standing crop estimation using four non-destructive techniques on native rangeland. Texas Chapter of the Society for Range Management 50th annual meeting, Stephenville, Texas. (abstract: p.3)
- Ganguli, A.C.**, R.B. Mitchell, M.C. Wallace and L.T. Vermeire. 1999. Can grassland biomass be indirectly predicted through light attenuation? Fifth International Symposium on the Nutrition of Herbivores, San Antonio, Texas.
- Wallace, M.C., R.B. Mitchell, L.T. Vermeire, S.P. Rupp, and **A.C. Ganguli**. 1998. A conceptual model for synthesizing elk impact studies on Bandelier National Monument. 3rd Symposium of Biological Research in the Jemez Mountains, New Mexico. (abstract: p.7)
- Ganguli, A.C.**, M.C. Wallace, and R.B. Mitchell. 1998. Quantification of behavior, grazing and trampling by elk (*Cervus elaphus*) on Bandelier National Monument, New Mexico. Third Symposium of Biological Research in the Jemez Mountains, New Mexico. (abstract: p.7)

Invited Presentations/Seminars

- Ganguli, A.C.**, B.A. Newingham, and B. Orr. 2012. Innovations in teaching technology. Society for Range Management 65th annual meeting, Spokane, Washington. (invited symposium presentation)
- Ganguli, A.C.** 2011. Fire, devastating force or rejuvenating tool? NDSU, Department of Biological Sciences Seminar Series, December 2nd, Fargo, North Dakota.

- Ganguli, A.C.** 2011. Abiotic factors associated with Kentucky bluegrass invasion. USFWS Native Prairie Adaptive Management Hand-Off Meeting, November 29th, Jamestown, North Dakota.
- Ganguli, A.C.** 2011. Revitalizing native prairies with prescribed burning. NDSU, Central Grasslands Grass and Beef Review, January 26th, Streeter, North Dakota.
- Ganguli, A.C.** 2010. Trials and tribulations of wildland restoration. NDSU, School of Natural Resource Sciences Seminar, April 28th, Fargo, North Dakota.
- Ganguli, A.C.** 2009. Career development opportunities in range management. Oklahoma State University Range Club, September 29th meeting, Stillwater, Oklahoma.
- Ganguli, A.C.**, and P.M. Mayer. 2009. Contemporary look at eastern redcedar in the Great Plains: influences on ecosystem services. Environmental Protection Agency, Nonindigenous Species Working Group March conference call (virtual presentation).
- Ganguli, A.C.** 2008. Invasive plants: threats to Montana's rivers. Montana Fish Wildlife and Parks, Salmon Lake Campfire Talk, Seeley Lake, Montana.
- Ganguli, A.C.** 2007. Cheatgrass: under the radar. November meeting of the Clearwater Resource Council, Seeley Lake, Montana.
- Ganguli, A.C.**, and J.B. Haufler. 2006. Wildlife and biodiversity responses to grassland conservation practices. Grazinglands Conservation Effects Assessment Program (hosted by USDA/NRCS and ARS), Beltsville, Maryland.
- Ganguli, A.C.** 2004. Eastern redcedar encroachment on rangelands: causes, consequences, and the role of conservation. March meeting of the Oklahoma Native Plant Society (northeast section), Tulsa, Oklahoma.
- Ganguli, A.C.** 2003. Developing the formula for enhanced diversity in SRM membership. SRM Professional Issues luncheon, Society for Range Management 56th annual meeting, Casper, Wyoming.
- Ganguli, A.C.** 2002. Eastern redcedar and conservation programs: is there a contradiction? Oklahoma State University Botanical Society, Stillwater, Oklahoma.
- Ganguli, A.C.** 2002. Eastern redcedar: friend or foe? March meeting of the Oklahoma Native Plant Society (central section), Oklahoma City, Oklahoma.

TEACHING ACTIVITIES

North Dakota State University

RNG 456 Range Habitat Management	Spring 2011
Additionally offered through interactive video to Dickinson State University	
RNG 656 Advanced Range Habitat Management	Spring 2011
Additionally offered through interactive video to graduate students in remote locations	
RNG 458/658 Grazing Ecology	Spring 2010&12
RNG 336 Introduction to Range Management	Fall 2010

Guest Lectures (since 2009)

Contemporary use of ecosystem management in rangeland Management. North Dakota State University, RNG 662 Rangeland Planning and Analysis (for Dr. Shawn Dekeyser), April 20, 2010

Allotments, permits, and fees...oh my: grazing issues in public land states. Oklahoma State University, NREM 3613 Principles of Rangeland Management (for Dr. Karen Hickman), September 29, 2009

Grassland restoration: a review of contemporary techniques. Oklahoma State University, NREM 4023 Restoration Ecology (for Dr. Gail Wilson), September 28, 2009

Oklahoma State University

SOIL 2124 Fundamentals of Soil Science (T.A. and Lab Coordinator)	2004
SOIL 4563 Dynamics of Wetland, Forest, and Range Soils (T.A.)	2004
RLEM 3913 Principles of Rangeland Management (T.A.)	2002

GRADUATE STUDENT ADVISING

NDSU Advisory Committees Chaired by Ganguli

Ph.D.

Morgan Russell, (anticipated graduation 12/2013)	2011 - present
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M.S.

Nick Dufek, (anticipated graduation 12/2012)	2011 - present
Dustin Strong, (anticipated graduation 12/2012)	2010 - present
Michelle Solga, co-Chair Jason Harmon (anticipated graduation 5/2012)	2010 - present

Other Advisory Committees

Lauren Dennhardt (Botany)	2011 - present
Elise Maxson nee Boehm (Environmental & Conservation Science)	2011 - present
Brandon Elkins, NDSU (Range Science)	2010 - present
Erin Burns, NDSU (Plant Science)	2010 - present
Yue Li, NDSU (Entomology)	2010 - present
Jeffery Stackhouse, NDSU (Natural Resource Management)	2010 - present
Eric Viall, NDSU (Soil Science)	2009 - present
Marianne Schutz, University of Manitoba	2006 – 2010

Graduate Student Awards

Russell: 1st place in the Society for Range Management Graduate Student Poster Competition 2012, Adrian Fox Scholarship Award 2011, Cross Ranch Fellowship 2011

Solga: Inducted into Gamma Sigma Delta 2012, Adrian Fox Scholarship Award 2011

Strong: Inducted into Gamma Sigma Delta 2012, Adrian Fox Scholarship Award 2011, Cross Ranch Fellowship 2011

AWARDS/HONORS

Outstanding Young Range Professional Award (Society for Range Management)	2010
Outstanding Service Recognition (Oklahoma State University Range Club)	2004
Plant and Soil Sciences Graduate Scholarship Award	2004
Trail Boss Award (Oklahoma Section of the Society for Range Management)	2003
Wild Women of Range Special Recognition (Society for Range Management)	2003
Oliver and Bessie Brensing Memorial Graduate Scholarship Award	2003
Nancy Randolph Davis Scholarship Award	2002 - 2003
Plant and Soil Sciences Graduate Scholarship Award	2002 - 2003

Student Paper Competition (Texas Society for Range Management) *runner up* 1999

CERTIFICATIONS AND TRAINING

Associate Wildlife Biologist	The Wildlife Society	1999
Red Card Training	National Wildfire Coordinating Group	
*includes the courses	<i>I-100 Introduction to Incident Command System (ICS), S-130 Firefighting Training, and S-190 Intro. to Wildland Fire Behavior</i>	

SCIENTIFIC SOCIETY MEMBERSHIPS

International Association of Wildland Fire	2011 - present
Society for Ecological Restoration	2009 - present
Ecological Society of America	2001 - present
Society for Range Management	1998 - present
The Wildlife Society	1997 - 2003

SCIENTIFIC SOCIETY COMMITTEE ASSIGNMENTS

The Society for Range Management (*appointed position)	
▪ Member of Awards Committee*	2010 - 2013
▪ Member of the Executive Vice President Search Committee*	2007 - 2008
▪ Chair of the Nominations Committee*	2007 - 2008
▪ Member of the Nominations Committee*	2005 - 2007; 2009 - 2010
▪ Co-chair of the Graduate Student Competition Committee	2006 - present
▪ Chair of the Web Task Force*	2003 - 2004
▪ Chair of the Information and Education Committee (I&E)*	2002 - 2003
▪ Member of the I&E Committee	2000 - 2002
Northern Great Plains Section of the Society for Range Management	
▪ Webmaster	2010 - present
▪ 2011 Annual Meeting Planning Committee	2010 - 2011
International Mountain Section of the Society for Range Management	
▪ Director	2007 - 2008
Oklahoma Section of the Society for Range Management	
▪ Co-chair of the Student Affairs Committee	2003
▪ Member of the Election Committee	2001
▪ Chair of the I&E Committee	2000 - 2003

North Dakota State University SERVICE

NDSU Faculty Resident (Residence Life FIRE program)	2010 - present
NDSU Agriculture and Biology Subject Librarian Search Committee - Member	2011
NDSU Agriculture and Biology Subject Librarian (Nicole Mason) – Mentor	2011 - present
SNRS Academic Roadmap Committee - Range Program Representative	2011
SNRS Curriculum Committee - Member	2010 - present
SNRS Soil Assistant Professor Search Committee - Member	2010 - present
SNRS Space Committee - Member	2011 - present

Range Club - Advisor	2010 - present
Range Science Curriculum/Awards Committee – Member	2010 - present

PROFESSIONAL SERVICE

Proposal Reviews

USDA-NIFA Review Panels, Thresholds & Management in Agroecosystems (reviewed 15 proposals and served on the panels)	2011
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Editorial Responsibilities

co-guest Editor of the June 2012 issue of *Rangelands*

Manuscript Reviews

American Midland Naturalist, Canadian Field Naturalist, Experimental and Environmental Biology, HortScience, Plant Ecology, North Dakota State University Experiment Station, Restoration Ecology, Rangeland Ecology and Management, Rangelands

Other Professional Service

Society for Range Management, Graduate Student Oral and Poster Competition - Judge	2006 - present
Wildlife II Technical Session. Chair/Moderator. Society for Range Management, 62 nd annual meeting, Albuquerque, NM, February 8-13	2009
Ecological Site Descriptions as a management tool meeting in Park City, Utah <i>participated as an ecological site description expert during breakout session</i>	2007
Rangelands West Collaborator North Dakota State University	2011 - present
Range Forum Steering Committee - Member	2010 - present
Interagency Ecological Site Description Manual Advisory Group - Member	2007
Montana Clearwater Resource Council - Member	2005 - 2008
Rangelands West Collaborator Oklahoma State University	2003 - 2005
Advisor of the Oklahoma State University Range Club	2002 - 2005
Coach of the Texas Tech University Wildlife Quiz Bowl Team	1999

OUTREACH ACTIVITIES

North Dakota State University

“Fire Behavior Investigators (FBI)” Facebook page – Provides updates on my research group activities

“Adventures with FIRE” – Blog where I chronicle my experiences as the NDSU faculty resident

Website creation and maintenance – My webpage, SRM Northern Great Plains Section, North Dakota Rangelands West

Other

Exhibit Displays – Created trade show exhibit displays for the Ecosystem Management Research Institute and for the USFS Rocky Mountain Research Station

Website Development and Maintenance – Texas Tech University, University of Idaho, Oklahoma State University, Ecosystem Management Research Institute, Society for Range Management

Field Tours – Coordinated and led a field tour in SD for the Ecosystem Management Research Institute and served as a field tour group leader in Oregon for the USFS Rocky Mountain Research Station