

Andrés F. Cibils

Department of Animal and Range Sciences, New Mexico State University, Las Cruces, NM 88003 – Ph. 575-646-4342; Fax 575-646-5441; email: acibils@nmsu.edu

EDUCATION

- 1999 Doctor of Philosophy (PhD), Rangeland Ecosystem Science, Colorado State University
- 1996 Master of Science (MS), Rangeland Ecosystem Science, Colorado State University
- 1984 Ingeniero Zootecnista (BS Animal Science), Facultad de Ingeniería y Ciencias Agrarias, Universidad Nacional de Lomas de Zamora, Buenos Aires, Argentina

PROFESSIONAL EXPERIENCE

- 2009- Present Associate Professor of Range Science, Department of Animal and Range Sciences, New Mexico State University
- 2003- 2008 Assistant Professor of Range Science, Department of Animal and Range Sciences New Mexico State University
- 2002-2003 Postdoctoral Research Associate, The University of Arizona
- 1999-2002 Range Research Scientist, Instituto Nacional de Tecnología Agropecuaria, Argentina
- 1994-1999 Graduate Research Assistant, Natural Resource Ecology Laboratory and Rangeland Ecosystem Science Department, Colorado State University
- 1992-1994 Range Research Associate, Instituto Nacional de Tecnología Agropecuaria, Argentina
- 1990-1992 County Extension Agent, Instituto Nacional de Tecnología Agropecuaria, Argentina

TEACHING EXPERIENCE

New Mexico State University

- 2008- (RgSc 520) Rangeland Animal Ecology
- 2007- (RgSc 516) Management of Rangelands
- 2005- (RgSc 440) Rangeland Ecology
- 2003- (RgSc 294) Rangeland Resource Management
- 2004-2005 (RGSc 460) Advanced Rangeland Management

Universidad Nacional de la Patagonia Austral (Argentina)

- 1999-2001 Evaluación de Pastizales
- 1999-2001 Manejo de Pastizales

Visiting Professor

- Spring 2011 UARG, Universidad Nacional de la Patagonia Austral, *Rio Gallegos, Argentina*
Fac. Agronomía, Universidad Nacional de La Pampa, *Sta Rosa, Argentina*
Fac. Cs. Agrarias, Universidad Nacional de Mar del Plata, *Balcarce, Argentina*

RESEARCH INTERESTS

Animal-plant interactions; foraging behavior of domestic ungulates; diet and habitat selection of cattle and sheep; manipulation of animal behavior to accomplish rangeland management objectives

FUNDED ONGOING RESEARCH PROJECTS

- 2005-10 Plant- and animal-related factors affecting juniper intake by sheep and goats. USDA CSREES Joe Skeen Institute for Rangeland Restoration. \$ 90,000.00
- 2007-11 Feeding site selection mediated by biotic and abiotic factors in three livestock production regions of Argentina” PICT 2006-01488 \$ 88,573.00
- 2007-12 Factors that influence foraging behavior of domestic ungulates. \$20,000.00/yr
- 2009-14 Locoweed Management : Integrated Management Ecology and Toxicology \$22,000.00/yr
- 2009-14 Rangeland Ecosystems . State of New Mexico \$ 8,000.00/yr
- 2010-15 Acequia Water Systems Linking Culture and Nature: Integrated Analysis of Community Resilience to Climate and Land Use Changes. NSF-CNH \$40,000.00 (full award ~1.4 Millon).
- 2011 Sabbatical Leave Travel Fellowship – Ministerio de Ciencia y Tecnología de la Argentina, Programa Raíces, Subsidio Cesar Milstein. \$ 4,500.00

REFEREED PUBLICATIONS

25. Mulliniks, J. T., M. E. Kemp, S. H. Cox, D. E. Hawkins, **A. F. Cibils**, D. M. VanLeeuwen, and M. K. Petersen. 2011. The effect of increasing amount of glucogenic precursors on reproductive performance in young postpartum range cows. *J. Anim. Sci. (In press)*
24. Cid, M.S., R. C. Fernández Grecco, M. Oesterheld, J. M. Paruelo, **A. F. Cibils**, and M.A. Brizuela. 2011. Grass-fed beef production systems of Argentina’s flooding pampas: Understanding ecosystem heterogeneity helps improve livestock production. *Outlook on Agriculture* 40: 181-189.
23. Peinetti, R.H.,E.L. Fredrickson, D.P.C. Peters, **A.F. Cibils**, O.J. Roacho-Estrada, and A.S. Laliberte. 2011. Foraging behavior of heritage versus recently introduced herbivores on desert landscapes of the American Southwest. *Ecosphere* 2(5):art57.doi10.1890/ES 11-00021-01
22. Anderson, D.L., G. L. Bonvissuto, M. A. Brizuela, G. Chiossone, **A. F. Cibils**, M. S. Cid, I. Feldman, R. C. Fernández Grecco, C. Kunst, M. Oesterheld, G. E. Oliva, J. M. Paruelo, R. H. Peinetti, and E. S. Villagra. 2011. Perspectives on Rangeland Management Research and Education in Argentina. *Rangelands* 33: 2-12.
21. Lujan, A.L., S.A. Utsumi, S.T. Smallidge, T.T. Baker, R.E. Estell, **A.F. Cibils**, and S.L. Ivey. 2010. Manipulating sheep browsing levels on coyote willow (*Salix exigua*) with supplements. *Sheep & Goat Research Journal* 25: 32-38.
20. Jackson, K.T., **A.F. Cibils**, W.R. Gould, J.D. Graham, and C.D. Allison. 2010. Does feeding area restriction inhibit social learning of toxic weed ingestion in cattle? *Animal: An International Journal of Animal Bioscience* 4:1577-1587.
19. Estell, R.E., S.A. Utsumi, and **A. F. Cibils**. 2010. Measurement of monoterpenes and sesquiterpenes in serum, plasma, and rumen fluid from sheep. *Animal Feed Science and Technology* 158:104-109
18. Utsumi, S.A., **A. F. Cibils**, R. E. Estell, T.T. Baker, and J. H. Walker. 2010. One-seed juniper sapling use by goats in relation to stocking density and mixed grazing with sheep. *Rangeland Ecology and Management* 63:373-386

17. Ramirez-Garduno, H., A.G. Fernald, **A. F. Cibils**, D. M VanLeeuwen. 2010. Response of understory vegetation and soil moisture to infrequent heavy defoliation of chemically thinned juniper woodland. *Journal of Arid Environments* 74:291-297
16. Graham, D., R. Creamer, D. Cook, B. Stegelmeier, K. Welch, J. Pfister, K. Panter, **A. Cibils**, M. Ralphs, M. Encinias, K. McDaniel, D. Thompson, K. Gardner. 2009. Solutions to Locoweed Poisoning in New Mexico and Western US: Collaborative Research between New Mexico State University and the USDA/ARS Poisonous Plant Lab. *Rangelands* 31(6): 3-8
15. Utsumi, S.A., **A. F. Cibils**, R. E. Estell, S. A. Soto-Navarro, and D. Van Leeuwen. 2009. Seasonal changes in one-seed juniper intake by sheep and goats in relation to dietary protein and plant secondary metabolites. *Small Ruminant Research* 81: 152-162
14. **Cibils, A. F.**, J. A. Miller, A. M. Encinias, K. G. Boykin, and B. F. Cooper. 2008. Monitoring heifer grazing distribution at the Valles Caldera National Preserve. *Rangelands* 30(6):19-23
13. Black-Rubio, C. M., **A. F. Cibils**, R. L. Endecott, M. K. Petersen, and K. G. Boykin. 2008. Piñon-juniper woodland use by cattle in relation to weather and animal reproductive state. *Rangeland Ecology and Management* 61:394-404
12. **Cibils, A.F.**, L.D. Howery, G.B. Ruyle. 2008 Social models fail to induce diet and feeding site avoidance in naïve yearling steers. *Animal: An International Journal of Animal Bioscience* 2:255-264
11. Black-Rubio, C.M., **A. F. Cibils**, W. B. Gould. 2007. Maternal influence on feeding site avoidance behavior of lambs. *Applied Animal Behaviour Science* 105:122-139
10. Utsumi, S.A., **A.F.Cibils**, R.E. Estell, Y.F. Wang. 2006. Influence of plant material handling protocols on terpenoid profiles of one-seed juniper saplings. *Rangeland Ecology and Management* 59:668-673
9. Utrilla, V., M. Brizuela, **A. Cibils**. 2006. Structural and nutritional heterogeneity of riparian vegetation in Patagonia (Argentina) in relation to seasonal grazing by sheep. *Journal of Arid Environments* 67: 661-670
8. Utrilla, V., M. Brizuela, **A. Cibils**. 2005. Riparian Habitats (*Mallines*) of Patagonia: A Key Grazing Resource for Sustainable Sheep Farming Operations. *Outlook on Agriculture* 34:55-59
7. **Cibils, A.F.**, D.M. Swift, R.H. Hart, M.J. Trlica, M.Thorne. 2005. Gender-specific responses to winter defoliation of greenhouse-grown *Atriplex canescens* clones under contrasting soil moisture regimes. *Journal of Arid Environments* 61:211-226.
6. **Cibils, A. F.**, L. D. Howery, and G. B. Ruyle. 2004. Diet and habitat selection by cattle: the relationship between skin and gut defense systems. *Applied Animal Behavior Science* 88: 187-208
5. **Cibils, A.F.**, D.M. Swift, R.H. Hart. 2003. Female biased herbivory in fourwing saltbush browsed by cattle. *Journal of Range Management* 56: 47-51.
4. **Cibils, A.F**, D.M. Swift, R.H. Hart. 2003. Changes in shrub fecundity in fourwing saltbush browsed by cattle. *Journal of Range Management* 56: 39-46.
3. **Cibils, A.F.**; C.A. Baetti; M.E. Fernández; P. Paredes. 2001. Relaciones altura-biomasa remanente de dos gramíneas de la Estepa Magallánica (Santa Cruz), con referencia al diagnóstico de intensidad de pastoreo utilizado en la zona (Trabajo Original). *Revista Argentina de Producción Animal* 21: 17-24.

2. **Cibils, A.F.**, D.M. Swift, R.H. Hart .2000. Gender-related differences of shrubs in stands of *Atriplex canescens* with different histories of grazing by cattle. *Journal of Arid Environments* 46: 383-396.
1. Oliva, G.E., **A.F.Cibils**, P.Borrelli, G.Humano. 1998. Stable states in relation to grazing in Patagonia: A 10-year experimental trial. *Journal of Arid Environments*. 40:113-131.

BOOK CHAPTERS

6. Brizuela, M.A. y **A. Cibils**. 2011. Implicancias de la carga y distribución de los animales en pastoreo en la utilización de pasturas. Capítulo 13. En: Cangiano, C.A. y M.A. Brizuela (eds). Producción Animal en Pastoreo. 2da Edición. Publicaciones INTA pp 349-376
5. Jackson, K.T., **A.F. Cibils**, J.D. Graham, W.R. Gould, C.D. Allison. 2007. White locoweed (*Oxytropis sericea* Nutt.) ingestion by naïve stockers: Diet preference patterns of natural “eaters” and “avoiders”. p 429-435 *In: Panter KE, Wierenga TL, and Pfister JA, Editors. Poisonous Plants: Global Research and Solutions. CABI Publishing, Wallingford, Oxon, UK.*
4. Utrilla, V., Brizuela, M. y **Cibils, A.** 2007. Respuesta de la vegetación y de ovejas en un mallín magallánico bajo diferentes condiciones de uso previo y de asignación de forraje. En: *La cuenca del río Coyle. Estado actual de las investigaciones.* Editores: Carballo, F.; Espinosa, S. y Belardi, J.B. Universidad Nacional de la Patagonia Austral. Argentina.
3. **Cibils, A.F.** and P.R. Borrelli. 2005. Grasslands of Patagonia. p. 121-170 *In: J.M. Suttie, S.G. Reynolds, and C. Batello, Editors. Grasslands of the World. FAO Plant Production and Protection Series. No. 34. Food and Agriculture Organization of the U. N., Rome.*
2. Borrelli, P.R. and **A. F. Cibils** .2005. Rural depopulation and grassland management in Patagonia. p. 461-487 *In: S.G. Reynolds and J. Frame, Editors. Grasslands: Developments, Opportunities, Perspectives. FAO and Science Publishers, Inc. Rome.*
1. Oliva, G.; I. Noy-Meir y **A. Cibils**. 2001. Fundamentos de ecología de pastizales. Cap. 3. pp 83-100. *En: Ganadería Ovina Suatentable en la Patagonia Austral. Borrelli, P. y G. Oliva. Ed. INTA Reg. Pat. Sur. 272 pp.*

RECENT PROCEEDINGS PAPERS

46. Brizuela, M.A., E. Díaz Falú, M.S. Cid, M.G. Cendoya and **A.F. Cibils**. 2011. How can grazing behavior research at the plant community and landscape scales contribute to enhance sustainability of rangeland livestock production systems? IX International Rangeland Congress. April 2-8, 2011, Rosario, Argentina.
45. Jacobson, L.E., **Cibils, A.F.**, Graham, J.D., Owensby, L., Taylor, W., and McDaniel, K. 2011. White locoweed suppression on rangelands: targeted gazing with sheep vs. herbicides. IX International Rangeland Congress. April 2-8, 2011, Rosario, Argentina.
44. **Cibils, A.F.**, Wesley, R.L., Mulliniks, J.T., Cooper, B.F., Pollak, E.R., Petersen, M.K., Fredrickson, E.L., Cox, S.H., and Prileson, V.J. 2011. A GPS assessment of spatial proximity patterns of rangeland-raised calves, their dams, and other nursing cows in the herd. IX International Rangeland Congress. April 2-8, 2011, Rosario, Argentina.
43. Bendersky D., Díaz Falú E., Cendoya M.G., Brizuela M.A., Cid M.S., **Cibils A.** and Pizzio R. 2011. Seasonal grazing distribution patterns of cattle and sheep in a heterogeneous subtropical grassland. IX International Rangeland Congress. April 2-8, 2011, Rosario, Argentina.

42. Cid, M.S., M.A. Brizuela, E.M. Díaz Falú, M.G Cendoya, R. Fernández Grecco, L. Ventroni and **A. Cibils**. 2011. Grazing distribution and diet of cattle in paddocks with and without acacia negra woodlands. IX International Rangeland Congress. April 2-8, 2011, Rosario, Argentina.
41. **Cibils, A.F.** , y M.A. Brizuela. 2009. Tecnologías disponibles para el desarrollo de sistemas de pastoreo de precisión en sistemas extensivos de pastizal natural. Actas del V Congreso Nacional sobre Manejo de Pastizales Naturales. Corrientes, Argentina, 13-14 Agosto, 2009. P 81-89.
40. **Andrés Cibils**, Mark Petersen, Shad Cox, and Michael Rubio. 2008. Piñon-Juniper Management Research at Corona Range and Livestock Research Center in Central New Mexico. In: Gotfried, Gerald.J.; Shaw, John, D.; Ford, Paulette, L., compilers. 2008. Ecology, management, and restoration of piñon-juniper and ponderosa pine ecosystems: combined proceedings of the 2005 St. George, Utah and 2006 Albuquerque, New Mexico workshops. Proceedings RMRS-P-51. Fort Collins, CO: U.S.DA, FS, RMRS.
39. Howery, L.D, y **A.F. Cibils**. 2008. Estrategias para el manejo de agostaderos durante periodos de sequia. Memorias de la XVIII Reunion sobre Produccion de Carne y Leche en Climas Calidos. Mexicali, Mexico, 2-3 Octubre, 2008. P 41-50.

RECENT ABSTRACTS

48. L. Jacobson, **A. Cibils**, D. Graham, L. Owensby, W. Taylor, and K. McDaniel. 2011. Plant and animal responses to targeted grazing of white locoweed in New Mexico. 64th Annual Meeting of the Society for Range Management. Billings, MT, Feb. 6-10, 2011.
47. V. Prileson, **A. Cibils**, W. Taylor, R. Dunlap, S. Cox, M. Brizuela, and S. Cid. 2011. Characterization of the thermal environment of rangeland pastures with heterogeneous vegetation structure. 64th Annual Meeting of the Society for Range Management. Billings, MT, Feb. 6-10, 2011.
46. S. Utsumi, **A. Cibils**, B. Racher, D. Borland, T. Booth, M. Bobo, S. Cox, S. Cox, R. Dunlap, A. Sandoval, K. Reid. 2011. Use of direct and indirect estimates of crown dimensions to predict one seed juniper woody biomass yield for alternative energy uses. 64th Annual Meeting of the Society for Range Management. Billings, MT, Feb. 6-10, 2011.
45. **A. Cibils**, T. Booth, S. Cox, B. Cooper, R. Dunlap, S. Cox, D. Borland. 2011. Understory cover in relation to one seed juniper sapling stand structure at a site in New Mexico. 64th Annual Meeting of the Society for Range Management. Billings, MT, Feb. 6-10, 2011.
44. **A.F.Cibils**, D. T. Booth, S.E. Cox, B. F. Cooper, R.L. Dunlap, S.H. Cox, and D. S. Borland. 2010. Sapling Overstory-Understory Relations on One Seed Juniper (*Juniperus monosperma* [Engelm.] Sarg.) Encroachment Sites in New Mexico. 16th Wildland Shrub Symposium. Logan, UT, May 18-20.
43. L.Jacobson, **A. Cibils**, D. Graham, and L. Owensby. 2010. Influence of Targeted Grazing Prescriptions on Foraging Behavior of Sheep Grazing White Locoweed Infested Plots. 63rd Annual Meeting of the Society for Range Management, Denver, CO, Feb. 7-11, Paper B-61
42. S. Utsumi, B. Racher, D. Borland, T. Booth, M. Boo, S. Cox, S. Cox, R. Dunlap, A. Sandoval, K. Reid, and **A. Cibils**. 2010. Use of direct and indirect estimates of crown dimensions to predict one seed juniper woody biomass yield for alternative energy uses.

63rd Annual Meeting of the Society for Range Management, Denver, CO, Feb. 7-11, Paper C-26

41. A. Mohamed, J. Holechek, D. Bailey, C. Campbell, **A. Cibils**, and M. DeMers. 2010. Using high spatial resolution stellite imagery to detect vegetation change in response to precipitation and grazing intensity in Chihuahuan Desert Rangelands. 63rd Annual Meeting of the Society for Range Management, Denver, CO, Feb. 7-11, Paper C - 41
40. D. Bendersky, R. Pizzio, M.Brizuella, S. Cid, **A. Cibils**. 2009. Selecccion de sitios de alimentacion de vacunos en un pastizal de Mercedes, Corrientes. V Congreso Nacional sobre Manejo de Pastizales Naturales. Corrientes, Argentina, 13-14 Ago., 2009. P 151-52.
39. **A.F. Cibils**, C.M. Rubio, R.L. Wesley, M.K. Petersen, E.L. Fredrickson, M.A. Brizuella, and M. Silvia Cid. 2009. Influence of Weather and Animal Related Factors on Grazing Distribution of Livestock. 62nd Annual Meeting of the Society for Range Management, Albuquerque, NM, Feb. 8-12, Paper No. 03-12
38. **A.F. Cibils**, K.T. Jackson, J.A. Martin, J. David Graham, D.R. Gardner, and R.L. Wesley. 2009. Do Animal-to-Animal Variations in Locoweed Ingestion Patterns Offer Opportunities to Reduce Intoxication Rates of Naive Yearling Cattle? 62nd Annual Meeting of the Soc.Range Management, Albuquerque, NM, Feb. 8-12, Paper No. 18-7
37. R.L. Wesley, **A.F. Cibils**, E.R. Pollak, S.H. Cox, J. Travis Mulliniks, M.K. Petersen, and Ed L. Fredrickson. 2009. Comparing Beef Cow Behavioral Syndromes to Measures of Productivity and Spatial Use of Rangelands. 62nd Annual Meeting of the Society for Range Management, Albuquerque, NM, Feb. 8-12, Paper No. 2030-10
36. J.Mora Delgado, **A.F. Cibils**, C.M. Rubio, R.H. Peinetti, B.F. Cooper, M.K. Petersen, and S.H. Cox. 2009. Monitoring Spring use of Pinyon Juniper Woodlands by Cattle in Relation to Tree Canopy Cover. 62nd Annual Meeting of the Society for Range Management, Albuquerque, NM, Feb. 8-12, Paper No. 2030-9

GRADUATE STUDENTS

<i>Student Name</i>	<i>Year</i>	<i>Thesis/Dissertation Title</i>	<i>Current Position</i>
Gabriela Colodner, PhD	2014*	Indirect effects of predators on ungulate foraging behavior	Graduate student
Stephanie Lopez, M.S.	2012*	The role of livestock grazing on Acequia community livelihoods in northern New Mexico	Graduate student
Vanessa Prileson, M.S.	2012*	Influence of biotic vs. abiotic factors on livestock spatial distribution patterns in grassland/woodland mosaics	Graduate student
Laura Goodman, M.S.	2010	Plant and animal responses to targeted grazing of white locoweed with sheep	PhD student, Department of Animal and Range, NMSU
Jacob Martin, M.S.	2008	Factors affecting locoweed (<i>Oxytropis</i> sp. and <i>Astragalus</i> sp.) ingestion by yearling cattle	Rangeland Specialist, BLM Grand Junction, CO

Santiago Utsumi, Ph.D.	2008	Influence of nutrients, toxins, and grazing strategies on the utilization of one seed juniper by small ruminants	Assistant Professor Grazing Ecology, Department of Animal Sciences and LTER-Kellog Foundation Research Station, Michigan State University
Robert Wesley. M.S.	2007	Influence of socially-induced and inherited behaviors on feeding site selection of cattle and sheep	Rangeland Manager, The Nature Conservancy, WY
Kyle Jackson, M.S.	2006	Social facilitation of white locoweed ingestion by cattle: Influence of alternative food choices and feeding site related factors	Game Warden, NM Fish and Game Department.
Christina Black, M.S.	2005	Influence of non-forage factors on the grazing behavior of cattle and sheep	Ag County Extension Director, Hidalgo County, NM

**Expected Graduation date*

EDITORIAL BOARD MEMBERSHIPS

Rangeland Ecology and Management (U.S.A.), African Journal of Agricultural Research (Nigeria), Tecnociencia Chihuahua (Mexico), Revista Colombiana de Ciencia Animal (Colombia).

REFEREE

Journal articles: Journal of Arid Environments, Rangeland Ecology and Management, Journal of Wildlife Science, Journal of Animal Science, Agriculture Ecosystems and Environment, Rangelands, Livestock Science, Environmental Management, Animal, African Journal of Agricultural Research (*Nigeria*), Tecnociencia Chihuahua (México), Interciencia (Venezuela), Animal Production Science (Australia).

MS theses and PhD dissertations: Universidad de Buenos Aires (Argentina), Universidad Nacional de Mar del Plata (Argentina), Unidad Integrada Balcarce UNMdelp-INTA (Argentina).

PROFESSIONAL LEADERSHIP ROLES

2010	NM Section Society for Range Management - President
2009	NM Section Society for Range Management – President Elect
2008- present	US Forest Service Shrub Consortium – Executive Committee Member
2007-08	Society for Range Management – International Affairs Committee – Chair
2006-08	NM Section Society for Range Management – Director
2005-08	NM Section Society for Range Management – I&E Committee Chair

INTERNATIONAL RESEARCH COLLABORATIONS

- 2007 –11 “Feeding site selection mediated by biotic and abiotic factors in three livestock production regions of Argentina” PICT 2006-01488. Universidad de Mar del Plata – FONCYT, Argentina, Co-PI
- 2007 –11 “Utilización de suplementación estratégica para cubrir deficiencias dietarias en majadas de Magallanes” CORFO-INIA, Chile, Collaborator
- 2003 –05 “Development of a decision support system to improve lambing rates on the Magellanic Steppe in Southern Patagonia” INTA-FONCYT, Argentina, Collaborator

INTERNATIONAL VOLUNTEER CONSULTING

- 2010 Winrock international -U.S. Agency for International Development – Farmer to Farmer Program – Training in Use of Cassava Foliage in Goat Diets to Village of Dougoukouna Women’s Association (Benkadi), Dougoukouna, Segou Region, Mali, West Africa. May 25-June 9.
- 2005 Winrock international – U.S. Agency for International Development – Farmer to Farmer Program - Training in Rotational Grazing Practices to Dairy Farmers in Cortes and Santa Barbara. San Buenaventura, Honduras, Central America. May 21-June 6.

AWARDS

- 2011 The President’s Volunteer Service Award. President’s Council on Service and Civic Participation. USA Freedom Corps
- 2010 Rangeland Science Education Council Early Career Teaching Award (Rangeland Science Education Council and the Society for Range Management)
- 2008 North American Colleges and Teachers of Agriculture Teaching Award of Merit
- 2006 Ronald E. McNair Post-Baccalaureate Achievement Program Mentor Award
- 2006 The President’s Volunteer Service Award. President’s Council on Service and Civic Participation. USA Freedom Corps
- 2005 Who’s Who Among American Teachers

PROFESSIONAL AND HONOR SOCIETY MEMBERSHIPS

- 2009 – Present Gamma Sigma Delta Agriculture Honor Society
- 2003 – Present New Mexico Section of the Society for Range Management
- 1999 – Present Society for Range Management
- 1999 – Present Ecological Society of America
- 1999 – Present Rangeland Ecology Chapter of the Ecological Soc. of America
- 1996 – Present Phi Kappa Phi Honor Society