

J. ALFONSO ORTEGA-S., Ph.D.
Curriculum Vitae

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EDUCATION

- **Doctor of Philosophy.** 1990. University of Florida, Gainesville, FL.
Major: Agronomy
Advisor: Dr. Lynn E. Sollenberger
Dissertation: Ecophysiological responses of perennial peanut to grazing management.
- **Master of Science.** 1984. Universidad Agraria Antonio Narro, Saltillo, México.
Major: Animal Science.
Advisor: Dr. Carlos de Luna Villarreal
Thesis: Suplementación mineral a caprinos pastoreados en áreas con problemas de desbalance mineral
- **Bachelor of Science.** 1981. Fac. de Agronomía, Universidad Autónoma de Tamaulipas, Cd. Victoria, México
Major: Animal Science

EMPLOYMENT HISTORY

- 2001 to 2007. Assistant Professor. 2007 to 2011. Associate Professor. 2011 to present. Professor. Department of Animal, Rangelands and Wildlife Sciences. Caesar Kleberg Wildlife Research Institute. Texas A&M University – Kingsville.
- 1997 to 2001 Researcher and National Leader of the Range and Forage Program, National Research Institute of Forestry, Crops and Livestock (INIFAP). Mexico.
- 1993 to 1997 Researcher and Regional Research Director of the Livestock Division, National Research Institute of Forestry, Crops and Livestock (INIFAP). Mexico.
- 1984 to 1987 Researcher, Range and Forage Program, National Research Institute of Forestry, Crops and Livestock (INIFAP). Mexico.

COURSES TAUGHT

Graduate level courses:

- **Grazinglands Research Methods.** Facultad de Agronomia. Universidad Autonoma de Tamaulipas. From 1990 to 1998.
- **Beef Cattle Production Systems.** Facultad de Agronomia. Universidad Autonoma de Tamaulipas. From 1991 to 1997.

Courses Taught at Texas A&M University – Kingsville

Undergraduate:

- **RWSC 4319 Methods in Rangeland Ecology.**
- **RWSC 3380 Rangeland Improvements.**
- **RWSC 3390 Special Topics in Range and Natural Resources Management: International Agriculture-Natural Resources Approach-Mexico.**
- **RWSC 2380 Range Management Principles.**
- **RWSC 4325 Grazing Management and Range Animal Nutrition**

Graduate:

- **RWSC 6398 Grazing Management.**
- **RWSC 6390 Range Forage Quality.**

BIBLIOGRAPY OF PUBLICATIONS

Refereed Journals Articles

Brewster, K., S.E. Scott, **A. Ortega**, J. Tomecek, and B. Turner. 2017. "Do You Hear What I Hear? Human Perception of Coyote Group Size," Human–Wildlife Interactions 11(2) 11(2): 167-174.

Foley, A.M., J. A. Goolsby, A. Ortega-S. Jr., **J. A. Ortega-S.**, A. Pérez de León , N.K. Singh, A. Schwartz , D.Ellis, D.G. Hewitt, T.A. Campbell. 2017. Movement patterns of nilgai antelope in South Texas: Implications for cattle fever tick management. Preventive Veterinary Medicine 146:166-172.

- Crouch, C. G., **J. A. Ortega-S.**, D. B. Wester, F. Hernández, L. A. Brennan, and G. L. Schuster. 2017. Vegetation and arthropod responses to brush reduction by grubbing and stacking. *National Quail Symposium Proceedings* 8:96–106.
- Jose R. De La Torre, Christian Bautista-Piña, **J. Alfonso Ortega-S.**, Antonio Cantu-Covarrubias, Maria Genoveva Alvarez-Ojeda, Dora Romero-Salas, Scott E. Henke, Clayton D. Hilton, David G. Hewitt, Randy W. De Young, Tyler A. Campbell, and Fred C. Bryant. 2017. *Neospora caninum* in Axis Deer (*Axis axis*) and Fallow Deer (*Dama dama*) in Northern Mexico. *Journal of Wildlife Diseases* 53(1) 186-187.
- Garcia-Vazquez, Z., **J.A. Ortega-S.**, A. Cantu-Covarrubias, J. Mosqueda, D.G. Hewitt, R. W. DeYoung, T.A. Campbell, and F.C. Bryant. 2015. Tick borne diseases in syntopic populations of fallow deer and axis deer in Northern Mexico. *Journal of Wildlife Diseases* 51(2) 527-529.
- Wiemers, D. W., T. E. Fulbright, D. B. Wester, **J. A. Ortega-S.**, G. A. Rasmussen, and D. G. Hewitt. 2014. Role of thermal environment in habitat selection by male white-tailed deer during summer in Texas, USA. *Wildlife Biology* 20(1):47-56.
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- Falk, A. D., T. E. Fulbright, F. S. Smith, L. A. Brennan, **J. A. Ortega-S.** and S. Benn. 2013. Does Seeding a Locally Adapted Native Mixture Inhibit Ingress by Exotic Plants? *Restoration Ecology* 21:474-480.
- Olamendi-Portugal, M., H. Caballero-Ortega, D. Correa, M.A. Sanchez-Aleman, C. Cruz-Vazquez, L. Medina-Esparza, **J.A. Ortega-S.**, A. Cantu, Z. Garcia Vazquez. 2012. Serosurvey of antibodies against *Toxoplasma gondii* and *Neospora caninum* in white-tailed deer from northern Mexico. *Veterinary Parasitology* p 369-363.
- Ayala-A, F., **J. A. Ortega-S.**, T. E. Fulbright, G. A. Rasmussen, D. L. Drawe, D. R. Synatzke, and A. R. Litt. 2012. Long-term effects of aeration and fire on invasion of exotic grasses in mixed-brush plant communities. *Rangeland Ecology and Management* 65(2) 153-159.
- Cardenas-Canales, E.M., **J.A. Ortega-Santos**, T.A. Campbell, Z. Garcia-Vasquez, A. Cantu-Covarrubias, J.V. Figueroa-Millan, R.W. DeYoung, D.G. Hewitt, and F.C. Bryant. 2011. Nilgai antelope in northern Mexico as a possible carrier for cattle fever ticks and *Babesia bovis* and *Babesia bigemina*. *Journal of Wildlife Diseases* 47(3) 777-779.

- Aguiar A. D., L. O. Tedeschi, F.M. Rouquette, K. McCuiston, J.A. **Ortega-Santos**, R. Anderson, D. DeLaney, and S.Moore. 2011. Determination of nutritive value of forages in south Texas using an in vitro gas production technique. *Grass and Forage Science*. 66 (4).526-540.
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- Moczygemba, J.D., D.G. Hewitt, **J.A. Ortega-S.**, and T. A. Campbell. 2012. Home ranges of nilgai antelope in Texas. *The Southwestern Naturalist* 57(1): 26-30.
- Reyes, E., W. Kuvlesky, D.G. Hewitt, J.A. **Ortega-S.**, and T.A. Campbell. 2012. Home ranges of female Rio Grande wild turkeys in southern Texas. *The Southwestern Naturalist* 57(2): 198-201.
- Pérez de León, A. D. A. Strickman, D. P. Knowles, D. Fish, E. Thacker, J. Fuente, P. J. Krause, S.K. Wikel, R.S. Miller, G. G. Wagner, C. Almazán, R. Hillman, M. T. Messenger, P. O. Ugstad, R. A. Duhaime, P. D. Teel, **A. Ortega-Santos**, D. G. Hewitt, *et al.* 2010. One Health approach to identify research needs in bovine and human babesioses: workshop report. *Parasites & Vectors* 3:36
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Books

Valdez, R., and **J.A. Ortega-Santos**. *In press*. Wildlife Ecology and Management in Mexico. Texas A&M University Press. College Station, Texas.

Fulbright, T.E., and **J.A. Ortega-S**. 2016. Ecología y Manejo de Venado Cola Blanca. Segunda Edición. Editorial Colegio de Postgraduados de Chapingo. Texcoco, México.

Rideout-Hanzak, S., J. G. Villarreal Gonzalez, D. Hewitt, R. DeYoung, A. A. Torres Conkey, **J. A. Ortega-S**. 20015. Manejo de Ranchos Cinegeticos: Por Donde Empezar?. Caesar Kleberg Wildlife Research Institute, Texas A&M University-Kingsville. Kingsville, TX.

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Fulbright, T.E., and **J.A. Ortega-S**. 2007. Ecología y Manejo de Venado Cola Blanca. Texas A&M University Press College Station, TX.

Fulbright, T.E., and **J.A. Ortega-S**. 2006. White-tailed Deer Habitat Ecology and Management on Rangelands. Texas A&5M University Press. College Station, TX.

Book chapters

Gonzalez-Valenzuela, E.A., C.W. Hanselka, J.M. Avila-Curiel, **J.A.Ortega-S.**, R. Lopez Zavala, J. Salinas Chavira, and M.A. Dominguez Muños. 2016. Manejo estratégico de bovinos productores de carne en pastoreo en el norte de Mexico en condiciones de sequía. *In* Estrategias para optimizar la producción de bovinos y ovinos, J. Salinas Chavira, ed. Universidad Autonoma de Tamaulipas. Consejo de Publicaciones UAT. Cd. Victoria, Tamps., Mexico.

Ortega-Santos, J.A. and T.E. Fulbright. 2014. Capacidad de carga, planeación y manejo de la cosecha del venado cola blanca. *In* Monitoreo y Manejo del Venado Cola Blanca “Conceptos y Metodos”. Eds. S.A. Gallina Tessaro , S. Mandujano Rodriguez and O.A. Villarreal Espino-Barros, 137-160. Instituto de Ecología A.C. y Benemérita Universidad Autónoma de Puebla. Xalapa, Ver., Mexico.

Mandujano, S., S. Gallina, and **J.A. Ortega S**. 2014. Venado cola blanca en México. *In* Ecología y Manejo de Fauna Silvestre en México. Eds. R. Valdez and **J.A. Ortega-Santos**, 399-420. Texcoco, Mexico. Editorial Colegio de Postgraduados de Chapingo.

Ortega S., J.A., J. G. Villarreal G., S. Mandujano, S. Gallina, M. Weber, F. Clemente S., and R. Valdez. Challenges and strategies for wildlife conservation and management in Mexico.2014. *In* Ecología y Manejo de Fauna Silvestre en México. Eds. R. Valdez

and **J.A. Ortega-Santos**, 523-542. Texcoco, Mexico. Editorial Colegio de Postgraduados de Chapingo.

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Fulbright, T.E., G.A. Rasmussen, **J.A. Ortega-S.**, and E. Redeker. 2007. Applying ecological theory to habitat management: the altering effects of climate. *In* 25 years of the Caesar Kleberg Wildlife Research Institute. Boca Raton, FL. CRC Press.

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Lukefahr, S.D., and **J.A. Ortega-S.** 2013. An update on the drought in south Texas: Dejavu all over again!. *Grass Roots* 65(1):5-7.

Lukefahr, S.D., and **J.A. Ortega-S.** 2012. An Update on the Drought in South Texas: Dejavu all Over Again! 2012. *The Stockman Grassfarmer*. 12(11):8-10.

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Main Papers Presented

Invited International

Ortega-S., J.A., D.G. Hewitt, and T.A. Campbell. 2017. *Livestock-Wildlife Disease Interactions in the Rural Landscape*. International Game Biologist Congress. Montpellier, France.

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Ortega-S., J.A. 2017. Manejo y aprovechamiento de guajolote silvestre. XIX Seminario Binacional de Venado Cola Blanca. Anahuac, N.L., Mexico.

Ortega-S., J.A. 2017. Manejo y ecologia de venado cola blanca. XIX Seminario Binacional de Venado Cola Blanca. Anahuac, N.L., Mexico.

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Invited National/State

Ortega-S., J.A. 2016. Nilgai in South Texas: Nuisance or asset. Society for Range Management Meeting. Corpus Christi, TX.

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- Ortega-S., J.A.** 2014. Northern Mexico and South Texas: A common habitat management approach. Unsettled futures for subsistence pastoralism: adapting livestock systems in the face of changing climate and land use. 67th Annual Meeting of the Society for Range Management. Orlando, FL.
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RESEARCH CREATIVE ACTIVITIES

Funded Grants

Year 2017

- Evaluating man-made roosts for Rio Grande wild turkeys
Co-PI's: W. P. Kuvlesky and **J.A. Ortega-S.**
Funding Source: Las Huellas
Total Award: \$ 20,000.
- Evaluating man-made roosts for Rio Grande wild turkeys
Co-PI's: W. P. Kuvlesky and **J.A. Ortega-S.**
Funding Source: Mr. Charlie Hoffman
Total Award: \$ 4,000.
- Behavioral Responses of White-tailed Deer to Heat Stress:
Implications for Management in South Texas

Co-PI's: R. DeYoung, T. Fulbright, C. DeYoung,
J.A. Ortega-S., Aaron Foley, and David Hewitt
Funding Source: Zachry Foundation
Total Award: \$ 280,000

Cattle white-tailed deer interactions on the east foundation ranches.
Co-PI's: **J.A. Ortega-S.**, T. Fulbright and D. Hewitt
Funding Source: East Foundation
Total Award: \$ 233,044

- Investigation of nilgai latrine use and fence crossings: potential for delivery of acaricides to free ranging exotic wildlife
Co-PI's: R. DeYoung, Aaron Foley and **J.A. Ortega-S.**
Funding Source: Las Huellas
Total Award: \$ 124,200

Year 2016

- Evaluating man-made roosts for Rio Grande wild turkeys
Co-PI's: W. P. Kuvlesky and **J.A. Ortega-S.**
Funding Source: Las Huellas
Total Award: \$ 20,000.
- Evaluating man-made roosts for Rio Grande wild turkeys
Co-PI's: W. P. Kuvlesky and **J.A. Ortega-S.**
Funding Source: Mr. Renato Ramirez, IBC Bank
Total Award: \$ 25,000.
- Evaluating man-made roosts for Rio Grande wild turkeys
Co-PI's: W. P. Kuvlesky and **J.A. Ortega-S.**
Funding Source: Mr. Hugo Berlanga
Total Award: \$ 5,000.
- Evaluating man-made roosts for Rio Grande wild turkeys
Co-PI's: W. P. Kuvlesky and **J.A. Ortega-S.**
Funding Source: Mr. Charlie Hoffman
Total Award: \$ 5,000.
- Developing wild turkey survey methodology
Co-PI's: W. P. Kuvlesky, H. Perotto, Lenny Brennan, and **J.A. Ortega-S.**
Funding Source: Texas Military Department
Total Award: \$ 84,647
- Developing habitat suitability models for wildlife using landscape metrics

Co-PI's: Perotto, H., W.P. Kuvlesky, **J.A. Ortega-S.**, and L. Brennan
Funding Source: Texas A&M University-Kingsville
Total Award: \$14,674

Year 2015

- Evaluating man-made roosts for Rio Grande wild turkeys
Co-PI's: W. P. Kuvlesky and **J.A. Ortega-S.**
Funding Source: Las Huellas
Total Award: \$ 10,000.
- Evaluating the ecological benefits of management-intensive grazing
Co-PI's: D. Ruppert, S. Rideout-Hanzak, R. L. Stanko, S. Lukefahr, D. Wester, and **J.A. Ortega-S.**
Funding Source: TAMUK, University Research Awards
Total Award: \$ 15,000.
- Evaluating man-made roosts for Rio Grande wild turkeys
Co-PI's: W. P. Kuvlesky and **J.A. Ortega-S.**
Funding Source: Mr. Renato Ramirez, IBC Bank
Total Award: \$ 75,000.
- Evaluating man-made roosts for Rio Grande wild turkeys
Co-PI's: W. P. Kuvlesky and **J.A. Ortega-S.**
Funding Source: Las Huellas
Total Award: \$ 10,000.
- Cattle and white-tailed deer interactions.
Co-PI's: T. Fulbright, J.A. Ortega and D. Hewitt
Funding Source: The East Wildlife Foundation.
Total Award: \$24,842.

Year 2013

- Capacity building for sustainable wildlife management on private lands in Mexico.
Co-PI's: S. Rideout-Hanzak, **J.A. Ortega-S.**, R. DeYoung, D. Hewitt, F. Bryant, and A. Conkey.
Funding Source: Wildlife Without Borders
Total Award: \$ 28,708.
- Cattle and white-tailed deer interactions.
Co-PI's: T. Fulbright, J.A. Ortega and D. Hewitt
Funding Source: The East Wildlife Foundation.
Total Award: \$341,255 for 3 years of the project.

Year 2012

- Assessment of stable isotope ratios and population parameters in white-tailed deer on the East Wildlife Foundation properties.
Co-PI's: D. Hewitt, C. DeYoung, R. DeYoung, T. Fulbright, and J.A. Ortega.
Funding Source: The East Wildlife Foundation.
Total Award: \$ 237,779 for 3 years of the project.
- Cattle and white-tailed deer interactions.
Co-PI's: T. Fulbright, J.A. Ortega and D. Hewitt
Funding Source: The East Wildlife Foundation.
Total Award: \$341,255 for 3 years of the project.
- Biological resources inventory for rare, threatened, and endangered plants and birds at naval air station Kingsville and associated properties
Co-PI's: Ortega-S., J.A., S. Rideout-Hanzak, D. B. Wester, and T.M. Langschied.
Funding Source: Department of the Army
Total Award: \$82,029

Year 2011

- Assessment of stable isotope ratios and population parameters in white-tailed deer on the East Wildlife Foundation properties.
Co-PI's: D. Hewitt, C. DeYoung, R. DeYoung, T. Fulbright, and J.A. Ortega.
Funding Source: The East Wildlife Foundation.
Total Award: \$128,000 for first year of project.
- Effects of prescribed burning as a maintenance treatment for roller chopped areas of mixed brush plant communities on herbaceous vegetation and invasive species.
Co-PI's: Ortega-S., J.A., F.C. Bryant, T.E. Fulbright, and S. Rideout.
Funding Source: Natural Resources Conservation Service
Total Award: \$70,716.

Year 2010

- Prevalence and characterization of influenza virus in wild mammals in northern Mexico and South Texas
Co-PI's: Ortega S., J.A., J. Hall
Funding Source: US Geological Survey, National Wildlife Center
Total Award: \$90,000

Year 2009

- Prevalence and characterization of influenza virus in wild mammals in northern Mexico and South Texas
Co-PI's: Ortega S., J.A., J. Hall
Funding Source: US Geological Survey, National Wildlife Center
Total Award: \$90,000

- Integration of ecologically-based approaches to re-eradicate cattle fever ticks from the U.S
Co-PI's: Shuster, G.L. D.G. Hewitt, J.A. Ortega-S., and T.A. Campbell
Funding Source: USDA-CSREES Agriculture and Food Research Initiative (AFRI)
Total Award: \$250,000
- Prevalence and characterization of influenza virus in wild mammals in northern Mexico and South Texas
Co-PI's: Ortega S., J.A., J. Hall
Funding Source: USDA-APHIS
Total Award: \$41,010
- Integration of ecologically-based approaches to re-eradicate cattle fever ticks from the U.S
Co-PI's: J.A. Ortega-S., and T.A. Campbell
Funding Source: USDA-APHIS
Total Award: \$123,000

Year 2008

- Fever ticks and tick borne diseases in axis deer and other exotic ungulate wildlife in northern Mexico
Co-PI's: Ortega S., J.A., A. Cantu, Z. Garcia, D. Hewitt, T. Campbell, R. DeYoung, and F. Bryant.
Funding Source: USDA-APHIS
Total Award: \$42,250

Year 2007

- Development of an appraisal guide for wild turkey habitat.
Co-PI's: Ortega S., J.A., W.P. Kuvlesky, L. A. Brennan and S. DeMaso.
Funding Source: Texas Parks and Wildlife Department
Total Award: \$133,628
- Cattle Fever Tick Eradication Program Land Use Survey
Hewitt, D., J.A. Ortega, R. DeYoung and F.C. Bryant
Funding Source: US Department of Agriculture - APHIS
Total Award: \$48,091
- Fever Ticks and Tick Borne Diseases from Nilgai Antelope and other Exotic Ungulate Wildlife in Northern Mexico
Co-PI's: J.A. Ortega, A. Cantu, D. Hewitt, R. DeYoung and F.C. Bryant
Funding Source: US Department of Agriculture - APHIS
Total Award: \$39,87942

Year 2006

- Understanding disturbances associated with South Texas Rangelands.
Co-PI's: G. A. Rasmussen, T.E. Fulbright and J. A. Ortega
Funding Source: Joe Skeen Program
Total Award: \$82,000
- The re-establishment of herbaceous native plants on mixed brush plant communities with roller chopping
Co-PI's: J. A. Ortega, G. A. Rasmussen and T.E. Fulbright
Funding Source: USDA, Natural Resources Conservation Service
Total Award: \$90,780
- A systems approach to manage mixed brush with grazing, mechanical and herbicide treatments and prescribed fire
Co-PI's: J. A. Ortega, G. A. Rasmussen and T.E. Fulbright
Funding Source: USDA-Natural Resources Conservation Service
Total Award: \$98,345
- Rio Grande Wild Turkey site occupancy and abundance estimation using presence-absence data, aerial surveys and replicated count statistics
Co-PI's: B. Collier, W.E. Kuvlesky, and J. A. Ortega
Funding Source: Texas Parks and Wildlife Department
Total Award: \$104,534
- Wolf weed control plan at NAS Kingsville's Escondido Ranch
Co-PI's: J. A. Ortega, W.P. Kuvlesky
Funding Source: U.S. NAVY, NAVFAC, EFD, South
Total Award: \$32,172.60

Year 2005

- A management plan for invasive plants at NAS – Corpus Christi
Co-PI's: W.E. Kuvlesky, J. A. Ortega and T.E. Fulbright
Funding Source: U.S. NAVY, NAVAFAC, EFE, South
Total Award: \$54,144
- Understanding disturbances associated with South Texas rangelands
Co-PI's: G. A. Rasmussen, T.E. Fulbright and J. A. Ortega
Funding Source: Joe Skeen Program
Total Award: \$100,000

Year 2004

- Understanding disturbances associated with South Texas rangelands
Co-PI's: G. A. Rasmussen, T. E. Fulbright and J. A. Ortega
Funding Source: Joe Skeen Program
Total Award: \$100,000
- Restoration of native plant communities on bermudagrass pastures using prescribed fire and herbicides
Co-PI's: J. A. Ortega and L. Brennan
Funding Source: Joe Barnhart Foundation
Total Award: \$7,000
- Evaluation of home ranges in Nilgai antelope
Co-PI's: J. A. Ortega
Funding Source: USDA-APHIS-WS
Total Award: \$30,000
- Improving seed quality and production of native species for range restoration
Co-PI's: W. Ocumpaugh, J. Muir, J. and J. A. Ortega
Funding Source: Joe Skeen Program
Total Award: \$85,235

Year 2003

- The role of nilgai and white tailed deer on spreading ticks and tick-borne diseases between Mexico and United States
Co-PI's: J. A. Ortega
Funding Source: USDA-ARS
Total Award: \$50,000

Year 2002

- Livestock grazing management & monitoring to reduce NPS pollution originating on Pasture
Co-PI's: G. A. Rasmussen and J. A. Ortega
Funding Source: Environmental Protection Agency
Total Award: \$70,000
- Grazing management and prescribed burning to control invasive guineagrass and promote native plants reestablishment
Co-PI's: J. A. Ortega and L. Brennan
Funding Source: Phil and Karen Hunke
Total Award: \$20,000

Unfunded Grants

Year 2015

- Provision of artificial wild turkey roosts in South Texas
Co-PI's: W.P. Kuvlesky, L. Brennan and **J.A. Ortega-S.**
Funding Source: Texas Parks and Wildlife Department
Total Award: \$113,918
- Ecology of Nilgai and their impact on cattle fever tick dissemination.
Co-PI's: Shuster, G.L. D.G. Hewitt, **J.A. Ortega-S.**, A. Perez de Leon, J. Goolsby
Funding Source: USDA-AFRI-ELI
Total Award: \$150,000
- Ecology of Nilgai and their impact on cattle fever tick dissemination.
Co-PI's: W.P. Kuvlesky, **J.A. Ortega-S.**, and L. Brennan
Funding Source: TPWD
Total Award: \$496,762
- Provision of Constructed Turkey Roosts to Enhance Wild Turkey Populations on Private Rangelands in South Texas.
Co-PI's: W.P. Kuvlesky, **J.A. Ortega-S.**, and L. Brennan
Funding Source: NRCS
Total Award: \$ 258,776

Year 2014

- Provision of artificial wild turkey roosts in South Texas
Co-PI's: W.P. Kuvlesky, L. Brennan and **J.A. Ortega-S.**
Funding Source: Texas Parks and Wildlife Department
Total Award: \$113,918
- Minimizing loses from pests and diseases of livestock
Co-PI's: Shuster, G.L. D.G. Hewitt, **J.A. Ortega-S.**, R. DeYoung, R. Stanko, T. Machado.
Funding Source: USDA-CSREES Agriculture and Food Research Initiative (AFRI)
Total Award: \$7,000,000.

Year 2011

- Comparison and assessment of mechanical and chemical side trimming
Co-PI's: L. Brennan and Ortega-S., J.A.
Funding Source: Texas Department of Transportation
Total Award: \$23,750

Year 2009

- A practical approach for differentiating coues and non-coues white-tailed deer using genetic markers
Funding Source: Boone and Crockett Club
Total Award: \$25,000

Year 2008

- White tailed deer response to brush management, grazing, and fire to increase heterogeneity.
Funding Source: Rangeland Research Program
Total Award: \$350,000

Year 2007

- White tailed deer response to brush management, grazing, and fire to increase heterogeneity.
Funding Source: Rangeland Research Program
Total Award: \$107,062
- Improving habitats invaded by exotic grasses for northern bobwhites (*Colinus virginianus*).
Funding Source: U.S. Navy
Total Award: \$102,541

Year 2006

- Creation of a natural resources international training center in northeastern Mexico to promote socioeconomic improvement of rural areas.
Funding Source: Higher Education for Development/USAID
Total Award: \$295,625

Year 2005

- Controlling invasive guineagrass and promoting native plant diversity.
Funding Source: International Arid Lands Consortium
Total Award: \$81,353
- Prolonging the life of brush management practices on semiarid rangelands.
Funding Source: International Arid Land Consortium
Total Award: \$71,360.
- Mechanical treatments and prescribed fire to improve plant diversity and habitat for white-tailed deer.
Funding Source: SEMARNAT-Fish and Wildlife Service
Total Award: \$61,212.00

- A stocker beef production system based upon management-intensive grazing of south Texas rangelands.
Funding Source: Texas Agricultural Experimental Station
Total Award: \$36,488.00

Year 2004

- Technology transfer to improve productivity and profitability of livestock/wildlife production systems in Northern Mexico.
Funding Source: USAID/TIES.
Total Award: \$300,000
- Promoting socioeconomic improvement of rural northeast Mexico through ecological watershed restoration.
Funding Source: USAID/TIES.
Total Award: \$300,000
- Terrestrial sensing technology: the relationship between terrestrial ecosystem conditions and the distribution of wildlife diseases in south Texas.
Funding Source: DOD Army Research Office.
Total Award: \$220,000
- Application of prescribed fire to enhance native vegetation, invertebrate and bird communities in South Texas.
Funding Source: USDA.
Total Award: \$96,179

Year 2003

- Integridad ecológica de los ecosistemas del Medio Río Bravo: Su efecto en el recurso agua.
Funding Source: Fondo de America del Norte para la Cooperación Ambiental
Total Award: \$15,000
- Integridad ecológica de los ecosistemas acuáticos y terrestres del area natural protegida del Valle de Cuatro Ciénegas, Coahuila, México.
Funding Source: Fondo de America del Norte para la Cooperación Ambiental
Total Award: \$15,000
- An Integrated remote sensing approach to rapid assessment of rangeland recovery and restoration.
Funding Source: NASA.
Total Award: \$605,263.00

- Defoliation intensity at different phenological stages to control invasive guineagrass on native pastures in South Texas.
Funding Source: Joe Skeen Program.
Total Award: \$49,793

Year 2002

- Effects of grazing intensity on northern bobwhite habitat and grassland bird diversity in south texas and northern mexico.
Funding Source: USDA/SCRP
Total Award: \$45,000
- Habitat improvement by soil covering with tree pruning debries.
Funding Source: IALC
Total Award: \$100,000
- Experimental strategies for controlling an invasive exotic grass and improving private rangeland stewardship
Funding Source: Texas Agriculture Experimental Station
Total Award: \$40,000
- Technology transfer to improve productivity and profitability of livestock/wildlife production systems in Northern Mexico.
Funding Source: USAID
Total Award: \$200,000.00 US
- Improvement of degraded ecosystems in northeastern Mexico through the use of management techniques for livestock-wildlife enterprises.
Funding Source: USAID
Total Award: \$300,000
- Strategies for controlling invasive guineagrass and promoting native plants reestablishment.
Funding Source: NRI-USDA.
Total Award: \$151,830
- Epidemiology and associated risk factors to the presence of TB, Brucella, Leptospirosis and ticks in nilgai, feral hog and coyote in South Texas.
Funding Source: National Science Foundation
Total Award: \$132,180

Graduate Advisement

- Dillan Drabek. MSc. Student. Grazing intensity effects on forbs and species richness for white-tailed deer. 2017 to present
- Chase Walthers. MSc. Student. Cattle grazing and prescribed fire to manage tanglehead. 2016 to present.
- Ramon Saenz. MSc. Student. Cattle grazing on palatable forbs and species richness for white tailed deer. 2015 to present.
- Gerardo Bezanilla Enriquez. Ph.D. Student. Improving sustainability of livestock operations in northern Mexico. 2014 to present.
- Jose Remigio de la Torre. MSc. Student. Seroprevalence of neospora caninum in fallow deer (dama dama) and axis deer (axis axis) in northern Mexico. 2014 to 2016.
- Joana Marie Prukop. MSc. Student. Effects of Prescribed fire as a maintenance treatment on roller chopped areas on herbaceous vegetation and invasive species. 2011 to present.
- Stacy Hines, Ph.D. Student. Cattle grazing on palatable forbs and species richness for white tailed deer. 2011 to 2016.
- Carter Crouch, MSc. Student. Habitat management for bobwhite quail. 2011 to 2013.
- Chase Currie, Ph.D. Candidate. Development of an appraisal guide for Rio Grande wild turkey. 2010 to 2011.
- Joni Edwardson, MSc. Candidate. Prevalence of influenza virus in mammals of south Texas. 2009 to 2011.
- Karla Logan, Ph.D. Candidate. Genetic characterization of white-tailed deer in Mexico. 2007 to present.
- Felix Ayala, Ph.D. Response of invasive species to mechanical and fire disturbances. 2007- 2011.
- Beau Hester, MSc. The role of feral hogs in the encroachment of invasive species. 2007 to 2010.
- Chase Currie, MSc. Candidate. Development of an appraisal guide for Rio Grande wild turkey. 2008-2010.

- Elsa Cardenas, MSc. Fever ticks and tick borne diseases from nilgai antelope and other exotic ungulate wildlife in northern Mexico. 2007 to 2009.
- Jorge A. Lopez., Ph.D. Candidate. Seed production and quality of brown seed paspalum and plains bristlegrass. 2004-2009.
- Luis M. Dong, MSc. Evaluation of survey methods for determining Rio Grande wild turkeys in south Texas. 2006-2007.
- Antonio Cantu C., Ph.D. Candidate. A profile of white-tailed deer diseases in northern Mexico. 2003-2007.
- Filiberto Herrera, Ph.D. Selection of hooded and shortspike windmillgrasses for superior seed quality. 2003-2006.
- Kevin Porter, MSc. Cattle and wildlife responses to a Merrill grazing system in South Texas. 2004-2006.
- Luis E. Ramirez, MSc. Prescribed fire and intensive grazing to control invasive guineagrass in South Texas. 2002-2005.

Attendance at Meetings of Professional Societies/Symposia

Year 2017

- Society for Range Management, Saint George, UT
- Wildlife Society Meetings, Albuquerque, NM.
- Texas Chapter of the Wildlife Society, San Antonio, TX
- Texas Section of the Society for Range Management, San Angelo, TX
- Congreso Internacional de Medicina Veterinaria y Zootecnia, Cd. Victoria, Mexico
- XIX Seminario Binacional de Venado Cola Blanca. Anahuac, N.L., Mexico.
- International Game Biologist Union Congress. Montpellier, France.

Year 2016

- Society for Range Management, Corpus Christi, TX
- Texas Chapter of the Wildlife Society, San Antonio, TX
- Texas Section of the Society for Range Management, Uvalde, TX
- VI Congreso Internacional de Manejo de Pastizales, Guadalajara, México.
- XVIII Seminario Binacional de Venado Cola Blanca. Monterrey, N.L., Mexico.
- 3rd International Tropical Biodiversity conservation Conference. Texcoco, Mexico.

- II Congreso Internacional “Conservacion y Aprovechamiento Sustentable de Vida Silvestre”. Chapingo, Mexico.

Year 2015

- Society for Range Management, Sacramento, CA
- Wildlife Society Meeting. Winnipeg, Canada.
- Texas Chapter of the Wildlife Society, Corpus Christi, TX
- Texas Section of the Society for Range Management, Wichita Falls, TX
- VI Congreso Internacional de Manejo de Pastizales, Durango, México.
- XXXII Congress of the International Union of Game Biologists. Puebla, Mexico.
- XIVII Seminario de Venado Cola Blanca en Mexico. Monterrey, Mexico.
- II Tropical Livestock World Congress, Tampico, Mexico.

Year 2014

- Society for Range Management, Orlando, FL.
- Texas Chapter of the Wildlife Society, Austin, TX
- Texas Section of the Society for Range Management, Alpine, TX
- V Congreso Internacional de Manejo de Pastizales, Nuevo Vallarta, Nayarit, México.
- Encuentro de UMAs de la Región Centro-occidente. Morelia, Michoacán, México.
- XIV Simposio sobre Venados de Mexico “Ing. Jorge Villarreal Gonzalez”. Mérida, Yucatán, México.
- Primer Festival Cultural del Venado en Yucatán. Mérida, Yucatán, México.

Year 2013

- Society for Range Management, Oklahoma City, OK.
- Texas Chapter of the Wildlife Society, Houston, TX
- Texas Section of the Society for Range Management, Fort Worth, TX
- Colorado Section of the Society for Range Management, Fort Collins, CO.

Year 2012

- Society for Range Management, Spokane, WA
- Texas Chapter of the Wildlife Society, Fort Worth, TX
- Texas Section of the Society for Range Management, Fredericksburg, TX
- Tercer Symposium Internacional de Manejo de Pastizales. Zacatecas, México.
- International Wildlife Congress, Durban, South Africa
- Congreso Internacional en Administración de Empresas Agropecuarias, Riviera Maya, México

Year 2011

- Society for Range Management, Billings, Montana.
- Texas Chapter of the Wildlife Society, San Antonio, Texas

- Segundo Symposium Internacional de Manejo de Pastizales. Chihuahua, Mexico.
- Wildlife Society Meeting, Hawaii.
- International Grassland Congress, Rosario Argentina.
- White-Tailed Deer Symposium, Monterrey Mexico

Year 2010

- Society for Range Management, Denver, CO.
- Texas Chapter of the Wildlife Society, Galveston, Texas.
- I Congreso Internacional de Manejo de Pastizales. Tuxtla Gutierrez, Chiapas, Mexico
- 7th International Deer Biology Congress. Huilo Huilo, Chile.

Year 2009

- Society for Range Management, Louisville, Kentucky.
- Texas Chapter of the Wildlife Society, Lubbock, Texas.
- South Texas Wildlife Conference, Kingsville, Texas
- XI Simposium de Venado Cola Blanca, Guadalupe, N.L., Mexico
- Grazinglands Meeting, Reno, Nevada.
- VI Simposium Internacional de Manejo de Pastizales. Monterrey, Mexico

Year 2008

- Society for Range Management, Louisville, Kentucky.
- Wildlife Society Meetings, Miami, Florida.
- Texas Section of the Society for Range Management, Nacogdoches, Texas.
- Texas Chapter of the Wildlife Society, San Antonio, Texas.
- IX Simposium de Venado Cola Blanca, Guadalupe, N.L., Mexico
- XI Simposio sobre Venado Cola Blanca, Mexico, D.F.
- 2008 SEAFWA Conference. Corpus Christi, Texas
- V Simposium Internacional de Manejo de Pastizales. Saltillo, Coah., Mexico

Year 2007

- Society for Range Management in Reno, Nevada
- Texas Section of the Society for Range Management, Lubbock, Texas.
- Texas Chapter of the Wildlife Society, Beaumont, Texas.
- IX Simposium de Venado Cola Blanca, Anahuac, N.L., Mexico
- XIX Congreso Nacional de Ganadería Diversificada

Year 2006

- Society for Range Management in Vancouver, Canada
- Texas Section of the Society for Range Management, Del Rio, Texas.

- Texas Chapter of the Wildlife Society, South Padre Island, Texas.
- King Ranch Symposium, Kingsville
- X Simposium sobre Venados, Mexico, D.F.
- IX Simposium de Venado Cola Blanca, Lampazos, N.L., Mexico

Year 2005

- Society for Range Management in Fort Worth, Texas.
- Texas Section of the Society for Range Management, South Padre Island, Texas.
- Tall Timbers 23rd Fire Ecology Conference.
- Texas Chapter of the Wildlife Society, Amarillo, Texas.
- King Ranch Symposium

Year 2004

- Society for Range Management in Salt Lake City, Utha.
- Texas Section of the Society for Range Management, Kerrville, Tx.
- Wildlife Society Meetings, Calgary, Alberta, Canada.
- Texas Chapter of the Wildlife Society, Kerrville, Texas.
- King Ranch Symposium

Year 2003

- Society for Range Management in Casper, Wyoming.
- Texas Section of the Society for Range Management, Wichita Falls, Tx.
- Primer Simposium Internacional de Manejo de Pastizales.
- Texas Chapter of the Wildlife Society, Waco, Texas.
- King Ranch Symposium

Year 2002

- Society for Range Management in Kansas City.
- Texas Section of the Society for Range Management, Abilene, Tx.
- Meeting of the Mexican Society for Range Management, Guanajuato, Mexico.
- Texas Chapter of the Wildlife Society, Corpus Christi, Texas.

Manuscript Referee

Journal of Wildlife Management

The Southwestern Naturalist

Fire Ecology

Crop & Pasture Science

Therya

Texas Journal of Agriculture and Natural Resources

Tropical Conservation Science

Técnica Pecuaria en Mexico
Crop Science
Acta Zoológica Mexicana
Agronomy Journal
Journal of Arid Environments
Rangeland Ecology and Management

Proposal Reviewer

International Arid Land Consortium
Texas Agricultural Extension
USDA-Agricultural Research System
Texas A&M University

SERVICE ACTIVITIES

University-level Committees

- International Studies and Programs Advisory Committee 2010-2017.
- Non-continuation Appeals Committee (2013)
- Grievance Committee (2013)
- Tenure Appeal Committee (2013)
- International Programs Committee 2006 - 2007
- Council for Assessment and Planning (CAP) 2005-2006
- Search Committee for the Director of International Students and Programs 2005
- University Library Committee 2004-2005
- Search Committee for the Director of International Students and Programs 2003
- University Library Committee 2002-2003
- Executive Committee of the Wellhausen Water Resource Center 2003-present
- University Library Committee 2003-2004
- Council for Assessment and Planning (CAP) 2002

College-level Committee

- Compliance Committee (2017 to date)
- Search Committee for the Animal Nutrition position (2014)
- Search Committee for the Vet Tech position (2014)
- Advisory Farm Committee. 2011-to present
- College Promotion Committee (Chair, 2012)
- Search Committee for Rangeland Ecologist position (Chair) 2010
- Search Committee for the University Farm Manager position 2010
- Tenure Evaluation Committee
- College of Agriculture, Natural Resources and Human Sciences Tenure Committee
- University Farm Committee

- Search Committee for the forages/horticulture position

Department-level Committees

- CKWRI Scholarship Committee (2015 to date)
- RWSC/WSCI Curriculum Committee 2004-2005
- Student Excellence Award Committee 2003
- RWSC Undergraduate Program Review Committee 2003

Professional Societies Committees and Elected Positions

International Society for Range Management

- Program Co-chair for the 69th Annual SRM Meeting, Corpus Christi, 2016
- Member of the SRM Advisory Council, 2014 to date
- Chair of the SRM Nominations Committee, 2011
- Member of the Nominations Committee, 2009-2010
- Chair of the SRM International Affairs Committee, 2006.
- Member of the SRM International Affairs Committee, 2002-2005

Texas Section of the Society for Range Management

- President of the TSSRM, 2017
- First VP of the TSSRM, 2016
- Second VP for TSSRM, 2015
- Director of the TSSRM, 2010-2013
- Chair of the TSSRM College Activities Committee, 2006

Sociedad Mexicana de Manejo de Pastizales

- Director of SOMAP, 1999-2001

HONORS AND AWARDS

- Fellow Award 2017. Society for Range Management
- Merit Award for the contribution for the contribution to wildlife conservation in Mexico. Education category 2016. Consejo Estatal de Flora y Fauna de Nuevo Leon.
- Special Category Publication Award. Book 2016. Ecología y manejo de fauna silvestre en Mexico. Texas Section of the Wildlife Society.
- Book of the Year Award 2016. Ecología y manejo de fauna silvestre en Mexico. Texas Chapter of the Wildlife Society.
- Special Award. 2015. Sociedad Mexicana de Manejo de Pastizales for the contribution to range management in Mexico. Durango, Mexico.
- Senior Research Award 2015. Dick and Mary Lewis Kleberg College of Agriculture, Natural Resources and Human Sciences. Texas A&M University-Kingsville.
- Outstanding Achievement Award 2010. Society for Range Management.

- National Researcher Level I, 2010. Consejo Nacional de Ciencia y Tecnologia (CONACYT), Mexico.
- Outstanding Achievement Award 2008. Texas Section of the Society for Range Management.
- Publication Award 2008. Special Category. Texas Section of the Society for Range Management. White-Tailed Deer Habitat: Ecology and Management on Rangelands.
- Service Award. College of Agriculture and Natural Resources and Humans Sciences 2007.
- Junior Scholarship Award. College of Agriculture, Natural Resources and Human Sciences 2006.
- Publication Award 2006: Special Category. Texas Section of the Society for Range Management. "Cattle Management to Enhance Wildlife Habitat in South Texas. Wildlife Management Bulletin No. 6.
- Outstanding Book Award 2006. Texas Chapter of the Wildlife Society. White-Tailed Deer Habitat: Ecology and Management on Rangelands.
- Manchester Who's Who Among Executives and Professionals 2005.
- Who's Who Among America's Teachers 2005.
- Junior Teaching Award. College of Agriculture and Human Sciences 2005.
- National Researcher Level I, Conacyt, Mexico. 1993.
- Researcher of the Year 1992. Sociedad Mexicana de Manejo de Pastizales. Mexico.
- Researcher of the Year 1991. Sociedad Mexicana de Manejo de Pastizales. Mexico.
- Candidate to National Researcher, Conacyt, Mexico. 1986.