

HUMBERTO LAURO PEROTTO, Ph.D.
Curriculum Vitae

Mailing address:

Caesar Kleberg Wildlife Research Institute
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ResearchGate profile:

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EDUCATION

- **Doctor in Philosophy.** 2005. Texas A&M University.
Major: Rangeland Ecology and Management
Committee Chair: X. Ben Wu
Dissertation: GIS- based multiple scale study of Rio Grande wild turkey habitat in the Edwards Plateau of Texas.
- **Master of Science.** 2000. Texas A&M University.
Major: Forestry
Committee Co-Chairs: Richard Fisher and Tattersall Smith
Thesis Title: Landslide hazard zonation in Namasique and El Triunfo, Southern Honduras.
- **Bachelor of Science.** 1995. Universidad Mayor de San Simón (Bolivia).
Major: Agronomy
Committee Chair: Rosario Torrico
Thesis title: Identificación del agente causal de la marchitez bacteriana en maíz (*Zea mays*) en el Valle Alto de Cochabamba. [Identification of bacterial wilt in corn (*Zea mays*) in the high Valleys of Cochabamba]
- **Post Graduate Certificate in Learning, Teaching and Assessment in Higher Education.** 2015. Cranfield University (U.K.)
- **Certificate of Science Education Specialist.** 2004. Information Technology in Science (ITS) Center for Teaching and Learning, Texas A&M University.

EMPLOYMENT HISTORY

- 2020 to present. Associate Professor and Research Scientist. Department of Rangeland and Wildlife Sciences. Caesar Kleberg Wildlife Research Institute. Texas A&M University – Kingsville.
- 2015 – 2020. Assistant Professor and Research Scientist. Department of Rangeland and Wildlife Sciences. Caesar Kleberg Wildlife Research Institute. Texas A&M University – Kingsville.
- 2008 to present. Adjunct Faculty. Department of Ecosystem Science and Management. Texas A&M University.
- 2014 – 2015. Consultant. Museo de Historia Natural “Noel Kempff Mercado”. Universidad Autónoma Gabriel Rene Moreno (Bolivia).
- 2009 – 2014. Lecturer in Landscape Ecology. School of Energy, Environment and Agrifood. Cranfield University (United Kingdom).
- 2009. Short-Term Consultant. World Bank (Bolivia).
- 2006 – 2008. Assistant Professor (Academic training). Texas A&M AgriLife Research and Extension Center at Uvalde.
- 2005 – 2006. Post-Doctoral Researcher. Department of Biology. University of Puerto Rico (Puerto Rico).
- 2000 – 2001. Research Assistant. Hazard Reduction and Recovery Center.
- 2001 – 2005. Research Assistant. Department of Rangeland Ecology and Management. Texas A&M University.
- 1996 – 1998. Technical Liaison. IADB–Amazonia Project. Ministerio de Desarrollo Sostenible y Planificación (Bolivia).
- 1995 – 1996. GIS Operator. Bureau of Land Management. Ministerio de Desarrollo Sostenible y Planificación (Bolivia).

COURSES TAUGHT:

Courses Taught at Texas A&M University – Kingsville.

Graduate:

- **WFSC 6390 Landscape Ecology.**
- **WFSC 6390 Remote Sensing for Wildlife and Habitat Management.**

Undergraduate:

- **RWSC 2331 Principles of Range and Wildlife Ecology**
- **RWSC 3390 Landscape Ecology.**

Courses taught at other academic institutions (Pre-appointment)

- **Landscape Ecology.** School of Energy, Environment and Agrifood. Cranfield University (United Kingdom). From 2011 to 2014.
- **Remote Sensing.** School of Energy, Environment and Agrifood. Cranfield University (United Kingdom). From 2010 to 2014.

- **Cartography, Remote Sensing and GIS.** Institute of Ecology. Universidad Mayor de San Andrés (Bolivia). 2009.
- **Landscape Ecology.** Institute of Ecology. Universidad Mayor de San Andrés (Bolivia). 2009
- **Landscape Ecology.** Museo Noel Kempff Mercado, Universidad Autónoma Gabriel Rene Moreno (Bolivia). 2009.

BIBLIOGRAPHY OF PUBLICATIONS

Refereed Journal Articles

- *Menefee, A. R., **H. L. Perotto-Baldivieso**, W. P. Kuvlesky, L. A. Brennan, J. A. Ortega-S., M. T. Page, and J. K. Burchsted. (*In Press*). Old tricks-new opportunities: Combining telemetry ellipses and Landscape metrics to assess habitat spatial structure. *Landscape Ecology*.
- Blackburn, A., C. J. Anderson, A. M. Veals, M. E. Tewes, D. B. Wester, J. H. Young Jr., R. W. DeYoung, and **H. L. Perotto-Baldivieso**. (*In Press*). Landscape patterns of ocelot-vehicle collision sites. *Landscape Ecology*.
- Cheleuitte-Nieves, C., **H. L. Perotto-Baldivieso**, X. B. Wu, and S. M. Cooper. 2020. Environmental and landscape influences on the spatial and temporal distribution of a cattle herd in a South Texas rangeland. *Ecological Processes* 9:39.
- *DiMaggio, A. M., **H. L. Perotto-Baldivieso**, J. A. Ortega-S., C. Walther, K. N. Labrador-Rodriguez, M. T. Page, J. d. I. L. Martinez, S. Rideout-Hanzak, B. C. Hedquist, and D. B. Wester. 2020. A Pilot Study to Estimate Forage Mass from Unmanned Aerial Vehicles in a Semi-Arid Rangeland. *Remote Sensing* 12:2431.
- Garza, B. N., V. Ancona, J. Enciso, **H. L. Perotto-Baldivieso**, M. Kunta, and C. Simpson. 2020. Quantifying Citrus Tree Health Using True Color UAV Images. *Remote Sensing* 12:170. *doi:10.3390/rs12010170*.
- Huerta, J. O., S. E. Henke, **H. L. Perotto-Baldivieso**, D. B. Wester, and M. T. Page. 2020. Ability of observers to detect herpetofaunal models using video from unmanned aerial vehicles. *Hepetological Review* 51:11-17.
- Lombardi, J. V., **H. L. Perotto-Baldivieso**, and M. E. Tewes. 2020. Land Cover Trends in South Texas (1987–2050): Potential Implications for Wild Felids. *Remote Sensing* 12:659.
- Lombardi, J. V., D. I. MacKenzie, M. E. Tewes, **H. L. Perotto-Baldivieso**, J. M. Mata, and T. A. Campbell. 2020. Co-occurrence of bobcats, coyotes, and ocelots in Texas. *Ecology and Evolution* 10:4903-4917.
- Lombardi, J. V., M. E. Tewes, **H. L. Perotto-Baldivieso**, J. M. Mata, and T. A. Campbell. 2020. Spatial structure of woody cover affects habitat use patterns of ocelots in Texas. *Mammal Research* 65:555-563.
- Sanders, H. N., D. G. Hewitt, **H. L. Perotto-Baldivieso**, K. C. VerCauteren, and N. P. Snow. 2020. Invasive Wild Pigs as Primary Nest Predators for Wild Turkeys. *Scientific Reports* 10:2625.
- Sanders, H. N., D. G. Hewitt, **H. L. Perotto-Baldivieso**, K. C. Vercauteren, and N. P. Snow. 2020. Opportunistic Predation of Wild Turkey Nests by Wild Pigs. *The Journal of Wildlife Management* 84:293-300. *doi: 10.1002/jwmg.21797*.
- *Wied, J. P., **H. L. Perotto-Baldivieso**, A. A. T. Conkey, L. A. Brennan, and J. M. Mata. 2020. Invasive grasses in South Texas Rangelands: historical perspectives and future directions. *Invasive Plant Science and Management* 13:41-58.

- Ajedegba, J. O., **H. L. Perotto-Baldivieso**, and K. D. Jones. 2019. Coastal dune vegetation resilience at South Padre Island: A spatio-temporal evaluation of the landscape structure. *Journal of Coastal Research* 35:534-544. doi: 10.2112/JCOASTRES-D-18-00034.1
- Crowley, D. M., L. A. Brennan, **H. L. Perotto-Baldivieso**, W. P. Kuvlesky Jr., J. A. Ortega-Santos, D. B. Wester, and N. R. Kolbe. 2019. Comparing Eastern and Rio Grande wild turkey survey methods in Northeast Texas. *Bulletin of the Texas Ornithological Society* 52:1-7.
- Hernández, F., C. Rios, and **H. L. Perotto-Baldivieso**. 2019. Evolutionary history of herbivory in the Patagonian Steppe: The role of climate, ancient megafauna, and guanaco. *Quaternary Science reviews* 220: 279–290. doi: 10.1016/j.quascirev.2019.07.014.
- Kubečka, B. W., J. T. Edwards, L. M. Lacoste, D. Rollins, F. Hernández, and **H. L. Perotto-Baldivieso**. 2019. An evaluation of population indices for northern bobwhite. *Wildlife Society Bulletin* 43:291–301. doi: 10.1002/wsb.972.
- Miller, K. S., L. A. Brennan, **H. L. Perotto-Baldivieso**, F. Hernández, E. D. Grahmann, A. Z. Okay, X. B. Wu, M. J. Peterson, H. Hannusch, J. Mata, J. Robles, and T. Shedd. 2019. Correlates of habitat fragmentation and northern bobwhite abundance in the Gulf Coast Prairie Landscape Conservation Cooperative. *Journal of Fish and Wildlife Management* 10:3–18. doi: 10.3996/112017-JFWM-094.
- Newman, B. C., S. E. Henke, D. B. Wester, T. M. Shedd, **H. L. Perotto-Baldivieso**, and D. C. Rudolph. 2019. Determining the suitability of the Jamaican boa (*Chilabothrus subflavus*) for short-distance translocation in Cockpit Country, Jamaica. *Caribbean Journal of Science* 49:210–226.
- *Cheleuitte-Nieves, C., **H. L. Perotto-Baldivieso**, X. B. Wu, and S. M. Cooper. 2018. Association patterns reveal dispersal-aggregation dynamics among cattle in a South Texas Rangeland, USA. *Ecological Processes* 7:29. doi: 10.1186/s13717-018-0141-9.
- *Cochi Machaca, N., B. Condori, A. Rojas Pardo, F. Anthelme, R. I. Meneses, C. E. Weeda, and **H. L. Perotto-Baldivieso**. 2018. Effects of grazing pressure on plant species composition and water presence on bofedales in the Andes mountain range of Bolivia. *Mires and Peat* 21:1–15. doi: 10.19189/MaP.2017.OMB.303.
- *Mata, J. M., **H. L. Perotto-Baldivieso**, F. Hernández, E. D. Grahmann, S. Rideout-Hanzak, J. T. Edwards, M. T. Page, and T. M. Shedd. 2018. Quantifying the spatial and temporal distribution of tanglehead (*Heteropogon contortus*) on South Texas rangelands. *Ecological Processes* 7:1–9. doi: 10.1186/s13717-018-0113-0.
- Hansler, T. P., S. E. Henke, **H. L. Perotto-Baldivieso**, J. A. Baskin, C. Hilton. 2017. Short-distance translocation as a management option for nuisance maritime pocket gophers. *Southeastern Naturalist* 164: 603–613. doi: 10.1656/058.016.0409.
- *Zemanova, M.A., **H.L. Perotto-Baldivieso**, E.L. Dickins, A.B. Gill, J.P. Leonard, D.B. Wester. 2017. Impact of deforestation on habitat connectivity thresholds for large carnivores in tropical forests. *Ecological Processes*, 6, 21. doi: 10.1186/s13717-017-0089-1.
- Muñoz Puelles, L., A. B. Gill, K. Osinaga, and **H. L. Perotto-Baldivieso**. 2016. Floodplain fish communities in river systems in Bolivia: Current knowledge and addressing future research challenges. *Ecología en Bolivia* 51:26–41.
- Fernández, M., L. M. Navarro, A. Apaza-Quevedo, S. C. Gallegos, A. Marques, C. Zambrana-Torrelío, F. Wolf, H. Hamilton, A. J. Aguilar-Kirigin, L. F. Aguirre, M. Alvear, J. Aparicio, L. Apaza-Vargas, G. Arellano, E. Armijo, N. Ascarrunz, S. Barrera, S. G. Beck, H. Cabrera-Condarco, C. Campos-Villanueva, L. Cayola, N. P. Flores-Saldana, A. F. Fuentes, M. C. García-Lino, M. I. Gómez, Y. S. Higuera, M. Kessler, J. C. Ledezma, J. M. Limachi, R. P. López, M. I. Loza, M. J. Macía, R. I. Meneses, T. B. Miranda, A. B. Miranda-Calle, R. F. Molina-Rodríguez, R. M.

- Moraes, M. I. Moya-Díaz, M. Ocampo, **H. L. Perotto-Baldivieso**, O. Plata, S. Reichle, K. Rivero, R. Seidel, L. Soria, M. F. Terán, M. Toledo, F. S. Zenteno-Ruiz, and H. M. Pereira. 2015. Challenges and opportunities for the Bolivian Biodiversity Observation Network. *Biodiversity* 16:86–98. doi:10.1080/14888386.2015.1068710.
- Santos, S. A., H. P. Lima, **H. L. Perotto-Baldivieso**, L. O. Oliveira, and W. M. Tomas. 2014. GIS-fuzzy logic approach for building indices: regional feasibility and natural potential of ranching in tropical wetland. *Journal of Agricultural Informatics* 5:26–33. doi: 10.17700/jai.2014.5.2.140.
- Tait, J., **H.L. Perotto-Baldivieso**, A. McKeown, and D. Westcott. 2014. Are flying foxes coming to town? Urbanisation of the spectacled flying fox (*pteropus conspicillatus*) in Northern Queensland. *PLOS One* 9(10): e109810. doi:10.1371/journal.pone.0109810.
- *Young, D., **H. L. Perotto-Baldivieso**, T. Brewer, R. Homer, and S. A. Santos. 2014. Monitoring British upland grazing ecosystems with the use of landscape structure as an indicator for state-and-transition models. *Rangeland Ecology and Management* 67: 380–388. doi: 10.2111/REM-D-13-00170.1.
- Santos, S. A., **H. L. Perotto-Baldivieso**, and D. Young. 2014. Resilience and degradation in a tropical wetland overgrazed by cattle. *Tropical Grasslands – Forrajes Tropicales* 2: 138–139. doi: 10.17138/tgft(2)138-139.
- *Arancibia-Arce, L.R., **H. L. Perotto-Baldivieso**, J. R. Furlán, M. Castillo-García, L. Soria, and K. Rivero-Guzmán. 2013. Spatial and temporal assessment of fragmentation and connectivity analysis for ecotourism activities in a RAMSAR site: Bañados de Isoso (Santa Cruz, Bolivia). *Ecología en Bolivia* 48: 87–103.
- *Dickins, E. L., A. R. Yallop, and **H. L. Perotto-Baldivieso**. 2013. A multiple-scale analysis of host plant selection in Lepidoptera. *Journal of Insect Conservation* 17: 933–939. doi: 10.1007/s10841-013-9574-8.
- Ku, N. W., S. C. Popescu, R. J. Ansley, **H. L. Perotto-Baldivieso**, and A. M. Filippi. 2012. Assessment of available rangeland woody plant biomass with a terrestrial Lidar system. *Photogrammetric Engineering & Remote Sensing* 78: 349–361. doi: 10.14358/PERS.78.4.349.
- ***Perotto-Baldivieso, H. L.**, S. M. Cooper, A. F. Cibils, M. Figueroa-Pagán, K. Udaeta, and C. Rubio. 2012. Detecting autocorrelation problems from GPS collars data in livestock studies. *Applied Animal Behaviour Science* 136: 117–125. doi: 10.1016/j.applanim.2011.11.009.
- Cooper, S. M., **H. L. Perotto-Baldivieso**, M. G. Meek, M. Figueroa-Pagán, and M. K. Owens. 2011. Influence of ranch infrastructure on the spatial distribution of white-tailed deer on South Texas rangeland. *Animal Production Science* 51(4): xiii-xvii. doi: 10.1071/ANv51n4communic.
- ***Perotto-Baldivieso, H. L.**, X. B. Wu, M. J. Peterson, F. E. Smeins, N. J. Silvy, and T. W. Schwertner. 2011. Flooding-induced landscape changes along dendritic stream networks and implications for wildlife habitat. *Landscape and Urban Planning* 99: 115–122. doi: 10.1016/j.landurbplan.2010.09.002.
- ***Perotto-Baldivieso, H. L.**, E. Meléndez-Ackerman, M. A. García, P. Leimgruber, S. M. Cooper, A. Martínez, P. Calle, O. M. Ramos Gonzales, M. Quiñones, C. Christen, and G. Pons. 2009. Spatial distribution, connectivity, and the influence of scale: habitat availability for the endangered Mona Island Rock Iguana. *Biodiversity and Conservation* 18: 905–917. doi: 10.1007/s10531-008-9520-3.
- Cooper, S. M., **H. L. Perotto-Baldivieso**, M. K. Owens, M. G. Meek, and M. Figueroa-Pagán. 2008. Distribution and interaction of white-tailed deer and cattle in a semi-arid grazing system. *Agriculture Ecosystems and Environment* 127: 85–92. doi: 10.1016/j.agee.2008.03.004.

- Huang, Y., B. P. Wilcox, L. Stern, and **H. L. Perotto-Baldivieso**. 2006. Springs on rangelands: Influence of woody plant cover and runoff dynamics. *Hydrological Processes* 20: 3277–3288. doi: 10.1002/hyp.6332.
- ***Perotto-Baldivieso, H. L.**, T. L. Thurow, C. T. Smith, R. F. Fisher, and X. B. Wu. 2004. GIS-based spatial analysis and modeling for landslide hazard assessment in steeplands, Southern Honduras. *Agriculture Ecosystems and Environment* 103: 165–176. doi: 10.1016/j.agee.2003.10.011.
- Drees, L. R., L. P. Wilding, P. R. Owens, X. B. Wu, **H. Perotto**, and **H. Sierra**. 2003. Steepland resources: Characteristics, stability and micromorphology. *Catena* 54: 619–636. doi: 10.1016/S0341-8162(03)00138-3.
- Thurow, T. L., A. P. Thurow, X. B. Wu, and **H. L. Perotto-Baldivieso**. 2002. How to target soil conservation investments in Honduras. *Choices* 17: 20–25.

* **H. L. Perotto-Baldivieso** is corresponding author

Nonrefereed articles (Popular articles)

- Opatz, A., G. Mizer, T. E. Fulbright, R. W. DeYoung, H. L. Perotto-Baldivieso, W. C. Conway, and S. S. Gray. 2019. Pronghorn in the Texas Panhandle: The Habitat-Cropland Paradox. *Caesar Kleberg Tracks* 4(1):18-21.
- Sanchez, G. A., R. W. DeYoung, S. S. Gray, T. E. Fulbright, H. L. Perotto-Baldivieso, D. G. Hewitt, and L. A. Harveson. 2019. Mule Deer Foundation July/August 2019: 16-17.
- Woodard, D. A., L. A. Brennan, F. Hernández, H. L. Perotto-Baldivieso, and N. Wilkins. 2019. Tracking South Texas quail hunts: Preliminary Research Findings. *Hunters Horn* Fall 2019: 110-111
- Woodard, D. A., A. Montalvo, L. A. Brennan, F. Hernández, H. L. Perotto-Baldivieso, and N. Wilkins. 2019. Documenting a late season quail hatch. *East Foundation, Management Bulletin* N 1: 4 p.
- Woodard, D. A., Z. J. Pearson, L. A. Brennan, F. Hernández, H. L. Perotto-Baldivieso, N. Wilkins, and D. Delaney. 2019. Some current bobwhite research in South Texas density estimation and testing. *Quail Coalition 2019 Yearly Review*.
- Kuvlesky, W. Jr., J. A. Ortega-Santos, and H. L. Perotto-Baldivieso. 2018. The CKWRI wild turkey project. *South Texas Wildlife* 22(2):3–4.
- Perotto-Baldivieso, H. L., J. M. Mata, F. Hernández, E. D. Grahmann, S. Rideout-Hanzak, J. T. Edwards, M. T. Page, and T. M. Shedd. 2018. Monitoring tanglehead from space. *Caesar Kleberg Tracks* 3(1):15.
- Perotto-Baldivieso, H. L., J. A. Ortega-S., D. B. Wester, K. Labrador, J. Mata, and M. House. 2018. Looking at vegetation from the skies. *Caesar Kleberg Tracks* 3:(1)12–14.
- Fulbright, T., R. DeYoung, D. Hewitt, W. C. Conway, H. Perotto-Baldivieso, and S. Gray. 2017. Panhandle pronghorns: How do crops influence them? *Caesar Kleberg Tracks* 2(1):8–9.
- Mitchell, B. S., D. Crowley, W. P. Kuvlesky, Jr., J. A. Ortega-Santos, L. A. Brennan, and H. Perotto-Baldivieso. 2017. The Caesar Kleberg wild turkey research project. *Caesar Kleberg Tracks* 2(2):12–15.
- Perotto-Baldivieso, H. L., J. A. Ortega-S., S. Rideout-Hanzak, D. B. Weser, J. Jung, J. M. Mata, C. Walther, K. Labrador. 2017. Geospatial Technologies: New trends and ideas for range and wildlife habitat management. *Grass roots*, May-June 2017: 9–10.
- Perotto-Baldivieso, H. L., D. Weimers. 2017. The Don Pendleton Memorial College student awards. *Grass roots*, Nov-Dec 2017: 12–16.

Perotto-Baldivieso, H. L. 2016. Geospatial Technologies Laboratory at CKWRI. South Texas Wildlife.

Refereed proceedings

- Santos, S. A., **H. L. Perotto-Baldivieso**, and D. Young. 2013. Resilience and degradation in a tropical wetland overgrazed by cattle. *Proceedings of the International Grassland Congress 22*: 881–882.
- Santos, S. A., A. L. J. Desbiez, **H. L. Perotto-Baldivieso**, and J. M. Alvarez. 2013. Evaluating rangeland's grazing capacity for livestock and wild herbivores using the delta diet tool and GIS technology. *Proceedings of the International Grassland Congress 22*: 621–624.
- ***Perotto-Baldivieso, H. L.**, K. Rivero, J. Pinto-Ledezma, A. B. Gill. 2012. Distributing biodiversity data through the web: The Geospatial Center for Biodiversity in Bolivia. *Simposio de Geotecnologias no Pantanal 4*: 1252–1258.
- Santos, S. A., H. Povoá de Lima, L. O. F. de Oliveira, W. M. Tomás, U. G. P. de Abreu, S. M. F. S. Massruhá, and **H. L. Perotto-Baldivieso**. 2012. Integrating remote sensing, geographic information systems and fuzzy logic: an index to evaluate the natural potential for livestock ranching in the Pantanal. *Simposio de Geotecnologias no Pantanal 4*: 202–209.
- *García García, V., **H. L. Perotto-Baldivieso**, and S. Hallett. 2010. A prototype design for a web-GIS support system: The Bolivia Amazon case study. In Backhaus R, L. Czarán, N. Epler, M. Leitgab, D. Stevens, and J. Szarzynski (Eds.): *The 4C-Challenge: Communication - Coordination - Cooperation - Capacity Development. Selected contributions to the Fourth United Nations International UN-SPIDER Bonn Workshop on Disaster Management and Space Technology*.
- Schaap, J. N., N. J. Silvy, M. J. Peterson, R. Aguirre, and **H. L. Perotto-Baldivieso**. 2005. Spatial distribution of female Rio Grande wild turkeys during the reproductive season. *Proceedings of the National Wild Turkey Symposium 9*: 308–312.

Published reports

- Miller, K. S., L. A. Brennan, **H. L. Perotto-Baldivieso**, F. Hernández, E. D. Grahmann, A. Z. Okay, X. B. Wu, M. J. Peterson, H. Hannusch, J. Mata, J. Robles. 2017. Impacts of habitat fragmentation on Northern bobwhites in the Gulf Coast Prairie Landscape Conservation Cooperative. Gulf Coast Prairie Landscape Conservation Cooperative.
- Santos S. A., A. L. J. Desbiez, **H. L. Perotto-Baldivieso**, and L. A. Pellegrin. 2013. *Uso de Tecnologia de Precisão na Estimativa da Capacidade de Suporte em Pastagens sob Uso Múltiplo no Pantanal*. Embrapa Pantanal CT 107.
- Naves J., V. Meyer, **H. L. Perotto-Baldivieso**, G. A. Fernandez, M. Quevedo, J. Seijas, and M. Delibes. 2010. Identificación de corredores de comunicación entre las poblaciones cantábricas de osos pardos: Propuestas para la gestión. Principado de Asturias, España.

Books

- Kuvlesky, W. P., L. A. Brennan, A. Ortega-Santos, D. L. Williford, J. B. Hardin, **H. L. Perotto-Baldivieso**, L. Fritz, C. D. Hilton, F. C. Bryant, S. Nelle, B. M. Mitchell, N. J. Silvy. *The wild turkey in Texas: Ecology and Management*. Texas A&M University Press, College Station, TX. (*in press*).

Book Chapters

Perotto-Baldivieso, H. L., S. Tapaneeyakul, and Z. J. Pearson. 2020. Using Geospatial Technologies in Wildlife Studies. *In* N. J. Silvy editor. Application of spatial technologies in wildlife research. Wildlife Techniques Manual. Eight edition. Volume I: research. Johns Hopkins University Press, Baltimore, Maryland, USA p. 495-510.

Perotto-Baldivieso H. L. (*In Press*). Essential Concepts in Landscape Ecology for Wildlife and Natural Resource Managers. *In*: Porter, W. F., C. J. Parent, R. A. Stewart, and D. M. Williams (editors). Wildlife management and landscapes: principles and applications. Johns Hopkins University Press in affiliation with The Wildlife Society, Baltimore, MD, USA.

Articles featuring the Landscape Ecology Program at CKWRI

- Navejar, J. 2017. Drones take wildlife research into the future. *Javelina Today*, Fall 2017: 6–8.
- Cary, P. 2019. Eyes in the Sky: Drones for Conservation. *National Wildlife*, February-March 2019:38–43.
- Barnett, M. 2019. Gee whiz technology: keep an open mind. *The Cattleman*, May 2019:78–83

MEMBERSHIP IN PROFESSIONAL SOCIETIES

- The Society for Range Management
 - Member of the Remote Sensing and GIS Committee
 - Member of the Wildlife Habitat Committee
- International Association for Landscape Ecology – US chapter
- Texas Chapter The Wildlife Society
- Texas Section Society for Range Management

LEADERSHIP ROLES IN PROFESSIONAL SOCIETIES

- *Society of Range Management*
 - Co-Chair International Affairs Committee (2008 – 2009)
 - Chair International Affairs Committee (2009 – 2010)
 - Co-Chair GIS/Remote Sensing Committee (2017 – 2018)
 - Chair GIS/Remote Sensing Committee (2018 – 2019)
- *Texas Section of the Society of Range Management*
 - Chair Publications awards Committee (2018 – 2019)

HONORS AND AWARDS.

- 2019 Outstanding Achievement Award. Texas Section Society for Range Management (U.S.)
- 2018 Junior Faculty Research award. College of Agriculture, Natural Resources, and Human Sciences. Texas A&M University – Kingsville (U.S.)
- 2015 Fellow of the Higher Education Academy (U.K.)
- 2012 Most Interactive Teacher. Student Lead Teaching Award – School of Applied Sciences. Cranfield University (U.K.).

- 2007 Alfred P. Sloan Mentor for Graduate scholarship program for Minorities (U.S.).
- 2005 Student Research Week Award. Texas A&M University (U.S.).
- 2003 Tom Slick Fellowship. College of Agriculture, Texas A&M University (U.S.).
- 2003 Springfield Fellowship. Department of Rangeland Ecology and Management, Texas A&M University (U.S.).
- 2003 Outstanding PhD Student. Department Rangeland Ecology and Management, Texas A&M University (U.S.).
- 2001 Certificate of Excellence, International Agriculture and Resource Management, Texas A&M University (U.S.).
- 2001 Student Research Week award. Texas A&M University (U.S.).
- 2000 Outstanding Teaching Award. Department of Forest Science. Texas A&M University (U.S.).
- 1998 FULBRIGHT Scholarship (U.S.).
- 1993 Agronomy Students Scientific Society Recognition (Bolivia).

OTHER PROFESSIONAL ACTIVITIES NOT COVERED ABOVE

- Coordinator of the Bolivian Natural Resources Digital Center (<http://cdmbolivia.org/index.htm>; 2004 – present).
- Member of the Review Panel (Review College) for the British Ecological Society. (2013 – present).
- Grant reviewer for the Fonds de la Recherche Scientifique (F.R.N.S.) (Belgium, 2016 – Present).
- Grant reviewer for National Geographic (2017).
- External scientific reviewer. 2016. Ph.D. Dissertation. Facultad de Ciencias Agrarias, Universidad Nacional de Mar del Plata, Argentina.
- External examiner Ph.D. University of Antwerp (Belgium, 2012).
- USDA Grant proposal panel review member (2007 – 2008).
- Design and implementation of the Applied Landscape Ecology Laboratory (Uvalde, TX – 2007) and Geospatial Technologies Laboratory at CKWRI (Kingsville, TX – 2015).
- Member of the New faculty Investment Program at Texas A&M University – Kingsville (Completed program in May 2017).