

**CIRRICULUM VITAE
TANNER J. MACHADO**

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EDUCATION

Doctor of Philosophy; Animal & Rangeland Sciences—emphasis Meat Science; South Dakota State University, 2009

Dissertation Title: Dietary management to influence adipose deposition and beef palatability in finishing steers.
Major Professor: Duane M. Wulf

Master of Science; Animal Science—emphasis Meat Science; Colorado State University, 2005

Thesis Title: Supplementation of fed steers with a Biovance Technologies, Inc. anionic compound to improve beef tenderness. Major Professor: Keith E. Belk

Bachelor of Science; Animal Science, Concentration of Science, Minor in Ag Business; Colorado State University, 2002

EMPLOYMENT

Associate Professor, Department of Animal, Rangeland, and Wildlife Sciences, Texas A&M University-Kingsville, Kingsville, TX, August 2016-present.

Assistant Professor, Department of Animal, Rangeland, and Wildlife Sciences, Texas A&M University-Kingsville, Kingsville, TX, January 2010-August 2016.

Research Associate, Department of Animal and Rangeland Sciences, South Dakota State University, Brookings, SD, September 2009-December 2009.

Research Assistant, Department of Animal and Rangeland Sciences, South Dakota State University, Brookings, SD, September 2005-September 2009.

Research Assistant, Department of Animal Science, Colorado State University, Fort Collins, CO, January 2003-September 2005.

Student Worker/Student Research Technician, Department of Animal Science, Colorado State University, Fort Collins, CO, 2000-2002.

Student Worker, Department of Pathology, Colorado State University, Fort Collins, CO 1998-2000.

COURSES TAUGHT

ANSC 1211: Preparation for Animal Ag. Fall 2016. Texas A&M University-Kingsville.

ANSC 1211: Emerging Issues & Opportunities in Animal Science. Fall 2015-2017 & 2018. Texas A&M University-Kingsville.

ANSC 1419: Introduction to Animal Science. Summer 2010, Fall 2011, 2012, 2013, and 2014. Texas A&M University-Kingsville.

ANSC 2310: Livestock Management Techniques. Fall 2010, lab Fall 2016. Texas A&M University-Kingsville.

ANSC 3305: Market Classes and Grades of Livestock. Spring 2012, 2013, 2014, & 2015. Texas A&M University-Kingsville.

ANSC 3309: Meat Preparation and Evaluation. Spring & Fall 2010, 2011, & 2012; Spring 2013, 2014, & 2015. Texas A&M University-Kingsville.

ANSC 3390: Processed Meats. Fall 2011, 2013-2017, & 2018. Texas A&M University-Kingsville.

ANSC 5390: Graduate Meat Science. Spring 2011, and Fall 2014. Texas A&M University-Kingsville.

AGRI 4171: Senior Seminar. Fall 2011. Texas A&M University-Kingsville.

AS101-Lab: Introduction to Animal Science Lab. 2005-2008. South Dakota State University.

COMPLETED GRADUATE STUDENT PROJECTS

Mr. Gustavo Faz, M.S. Determining if sulfur content in market lamb diets influence ground lamb flavor. December 2018.

Mr. Travis Trevino, M.S. Influence of sweet sorghum syrup as a sweetener in fresh pork sausage patties on oxidation during retail display compared to corn syrup. December 2015.

Ms. Krystal Montemayor, M.S. The correlation of residual feed intake on carcass characteristics of Brahman X Hereford steers. December 2014.

Ms. Cassandra Albert, M.S. The effect of dietary leucine on blood plasma and adipose mRNA in feeder cattle. December 2014.

UNDERGRADUATE RESEARCH PROJECTS

Gabriel Vera (2018). Effect of aging venison meat on texture of venison sausage.

Nina Lazaro (2018). Creating a smoke ring with sawdust.

Maria Cantu (2016-2017). Assessing liver damage of cattle fed distillers grains during the stocker phase.

Ana Chavez (2016). A new cold smoke method to provide smoke flavor to sausages.

Zach Arnold (2015). Assessing liver damage of cattle fed distillers grains during the stocker phase.

Dustin Trevino (2015). Determining if water temperature impacts frequency of water consumption by goats.

Heather Gleason (2014). Determining the effect of shade and water tank color on water temperature and algae growth in livestock water tanks.

Gerardo Vela (2013-2014). Cooking yields and color of nilgai patties with different sources of fat.

Charles Martinez (2013). Alternative smoke application to sausages.

Baldomero Ozuna, Abel Pena, and Clay Stephens (2011). Carcass yields and muscle profiling for tenderness in nilgai carcasses.

PUBLICATIONS

Refereed Journal Articles

Martinez, C.C., and **T.J. Machado**. 2016. Consumer evaluation of cold smoked fat in beef sausages. *International Food Research Journal* 23(4): 1782-1786.

Jordan, C.L., C.M. Albert, and **T.J. Machado**. 2015. Cooking properties of Nilgai Antelope steaks, and patties with beef or pork fat inclusion. *International Food Research Journal* 22(4):1564-1570.

Machado, T.J., C.M. Albert, M.J. Schnupp, and D.G. Hewitt. 2014. Characteristics of Nilgai Antelope carcasses and meat quality. *Texas Journal of Agriculture and Natural Resources* 27:73-83.

Reuter, R.R., M.D. Childs, K.E. Belk, T.J. Machado, and J.T. Biermacher. 2011. Effects of USDA feeder cattle frame and muscle grades on stocker and feeder cattle performance and profitability. *Professional Animal Scientist*. 27:525-534.

Non-refereed Articles

Machado, T.J., S.D. Nelson, R. Stanko and C. Donato. 2018. To increase qualified Hispanic student enrollment in Pathways Program through a Natural Resources Career Development Program. Final Report to USDA-NRCS by the Department of Animal, Rangeland, and Wildlife Sciences, Texas A&M University-Kingsville, Kingsville, TX 78363.

Machado, T.J. 2016. SGBI Steer Feedout. Final Report to Santa Gertrudis Breeders International by the Department of Animal, Rangeland, and Wildlife Sciences, Texas A&M University-Kingsville, Kingsville, TX 78363.

Machado, T.J., S.D. Nelson, and C. Donato. 2014. Natural Resources Career Development Program (NRCDP) Career Development Event at Texas A&M University-Kingsville. Final Report to USDA-NRCS by the Department of Animal, Rangeland, and Wildlife Sciences, Texas A&M University-Kingsville, Kingsville, TX 78363.

Machado, T.J. and C.M. Albert. 2013. Determining if dietary leucine will influence leptin circulation in cattle. Final Research Report to Kemin Industries, Inc. and Kemin Agrifoods North America, Inc by the Department of Animal, Rangeland & Wildlife Sciences, Texas A&M University-Kingsville, Kingsville, TX 78363.

Machado, T.J., D. M. Wulf, and R. H. Pritchard. 2009. The effect of dietary protein levels in feedlot diets on plasma metabolites and hormones to understand changes in adipose deposition. Final Research Report to South Dakota Beef Industry Council by the Department of Animal & Range Sciences, South Dakota State University, Brookings 57007.

Wulf, D.M., **T.J. Machado**, R.H. Pritchard, and K.W. Bruns. 2008. Timed protein restrictions in feedlot diets to alter adipose deposition with the goal to increase marbling in beef carcasses. Final Research Report to National Cattlemen's Beef Association and South Dakota Beef Industry Council by the Department of Animal & Range Sciences, South Dakota State University, Brookings 57007.

Wulf, D.M., R.H. Pritchard, and **T.J. Machado**. 2007. Comparing three types of beef feedlot facilities and their effect on meat quality. Final Research Report to South Dakota Beef Industry Council by the Department of Animal & Range Sciences, South Dakota State University, Brookings 57007.

Pritchard, R.H., D.M. Wulf, and **T.J. Machado**. 2007. Determining if altering feeding program could improve marbling, flavor, and tenderness in beef. Final Research Report to South Dakota Beef Industry Council by the Department of Animal & Range Sciences, South Dakota State University, Brookings 57007.

Machado, T., L. Muench, C. Hand, A. Everts, A. Everts, D. Wulf, and R. Maddock. 2006. National Beef Ground Beef Caselife Study. Final Research Report to BPI Technology Inc. by the Department of Animal & Range Sciences, South Dakota State University, Brookings 57007.

Machado, T., A. Everts, T. Nath, A. Everts, and D. Wulf. 2006. Comparison of three types of gas grills on cooking and eating quality characteristics. Final Research Report to Charbroil, Inc. by the Department of Animal & Range Sciences, South Dakota State University, Brookings 57007.

Machado, T.J., K.E. Belk, T.E. Engle, J.A. Scanga, J.D. Tatum, and G.C. Smith. 2005. Supplementation of fed steers with a Biovance Technologies, Inc. anionic compound to improve beef tenderness. Final Research Report to National Cattlemen's Beef Association by the Department of Animal Sciences, Colorado State University, Fort Collins 80523-1171.

Machado, T.J., S.L. Gruber, D.J. Vote, W.J. Platter, K.E. Belk, J.D. Tatum, J.A. Scanga, and G.C. Smith. 2004. Determining Profitability and Performance Differences Caused by Variation in Frame Size and

Muscular Level in Stocker Cattle. Final Research Report to The Samuel Roberts Noble Foundation by the Department of Animal Sciences, Colorado State University, Fort Collins 80523-1171.

Machado, T.J., S.L. Gruber, D.J. Vote, W.J. Platter, K.E. Belk, J.D. Tatum, J.A. Scanga, G.C. Smith. 2004. Effects of Using Alternative Stocker-Phase Feeding Programs on Cattle Performance and Carcass Merit. Final Research Report to The Samuel Roberts Noble Foundation by the Department of Animal Sciences, Colorado State University, Fort Collins 80523-1171.

Machado, T.J., K.E. Belk, T.E. Engle, J.A. Scanga, J.D. Tatum, and G.C. Smith. 2003. Effects on beef tenderness by supplementing Bio-Chlor to feedlot cattle. Final Research Report to Biovance Technologies, Inc. by the Department of Animal Sciences, Colorado State University, Fort Collins 80523-1171.

Refereed Abstracts

Rocha, T.C., J. Ramirez, B.B. Carpenter, C. Howell, J. King, **T.J. Machado** and R.L. Stanko. 2017. Prostaglandin at initiation of 7-d CO-Synch + CIDR protocol improves estrus response but not pregnancy rate in a modified split-time AI program. J. Anim. Sci. 95(Supplement 1):36.

Nelson, S.D., R. Stanko, **T. Machado**, G. Schuster, and C. Donato-Molina. 2016. Finding balance in undergraduate research for graduate school and career preparation in Agricultural sciences. NACTA Journal 60(Suppl. 1): 16.

Stanko, R.L., S. D. Nelson, **T.J. Machado**, G.L. Schuster, C. Donato-Molina, and S. Lukefahr. 2016. STEP UP to USDA Career Success Program Participation Increased Graduation Rates and Final GPA of Undergraduate Agriculture Students from South Texas. NACTA Journal 60(Suppl. 1): 105.

Smith, W.B., F.M. Rouquette, J.L. Kerby, L.O. Tedeschi, J.L. Foster, J.P. Banta, K.C. McCuiston, and **T.J. Machado**. 2015. Performance of *Bos indicus* versus *Bos taurus* stocker cattle grazing 'Costal' bermudagrass supplemented with distillers dried grains. American Society of Animal Science Meeting, 2015. Orlando, Florida. J. Anim. Sci. 93(Suppl. S3):207

Smith, W.B., F.M. Rouquette, J.L. Kerby, L.O. Tedeschi, J.L. Foster, J.P. Banta, K.C. McCuiston and **T.J. Machado**. 2015. Performance of stocker cattle grazing "Tifton 85" bermudagrass supplemented with distillers dried grains. J. Anim. Sci. 93(Suppl. E1).

Stanko, R.L., S.D. Nelson, **T.J. Machado**, G.L. Schuster, and C. Donato-Molina. 2015. Opportunities for underrepresented agriculture students in obtaining USDA job training in the STEP UP to USDA Career Success program. 61st Annual NACTA Conference. NACTA Journal 59(Suppl. 1)

Trevino, T.D., H. Avila, Jr., and **T.J. Machado**. 2015. Influence of sorghum syrup as a sweetener in fresh pork sausage patties on oxidation during retail display compared to corn syrup. 68th Annual Reciprocal Meat Conference, 2015. Lincoln, Nebraska. Meat Science 112:126

Stanko, R.L., S.D. Nelson, **T.J. Machado**, G.L. Schuster, and C. Donato-Molina. 2014. Engaging underrepresented agriculture students through research and job training in the STEP UP to USDA career success program. 60th Annual NACRA Conference. NACTA Journal 58(Suppl. 1): 74.

Donato, C., S.D. Nelson, G. Schuster, R.L. Stanko, and **T. Machado**. 2014. Preparing Hispanic students to be leaders in their communities. 60th Annual NACTA Conference. NACTA Journal 58(Suppl. 1): 48.

Trevino, T.D., G. Vela, and **T.J. Machado**. Cooking loss, cooking time, patty shrink and color of Nilgai Antelope patties with beef or pork fat inclusion. 67th Annual Reciprocal Meat Conference, 2014. Madison, Wisconsin. Meat Science 101:119.

Machado, T.J., C.L. Jordan, and C.M. Albert. Tenderness and palatability of Nilgai Antelope meat. 66th Annual Reciprocal Meat Conference, 2013. Auburn, Alabama. Meat Science 96:465.

Nelson, S.D., R. Stanko, **T. Machado**, and G. Shuster. Providing Underrepresented Agriculture Students a STEP UP to USDA Career Success. 2013 NACTA Abstracts. NACTA Journal 57:S(1).

McCuiston, K., D. Kinkel, S. Lukefahr, M. Garcia, S. Henke, **T. Machado**, R. Stanko, Z. Lopez, and A. Coronado. Improving student success through professional development opportunities. 2013 NACTA Abstracts. NACTA Journal 57:S(1).

Machado, T.J., A.A. Pena, C.A. Stephens, B.J. Ozuna, and C.M. Albert. Characteristics of Nilgai Antelope carcasses and meat quality. 65th Annual Reciprocal Meat Conference, 2012. Fargo, North Dakota. Meat Science 93:17.

Behrens, J.W., R.K. Miller, J.C. Bailey, J.T. Walter, A.N. Hafla, E.D. Mendes, D.S. Hale, **T. Machado**, L.O. Tedeschi, and G.E. Carstens. Effects of temperament classification and breed type on carcass characteristics, tenderness and carcass value in feedlot heifers. 64th Annual Reciprocal Meat Conference, 2011. Manhattan, Kansas. Meat Science 89:349.

Non-refereed Abstracts

Lazaro, N., and **T.J. Machado**. Addition of sodium nitrite to sawdust used for smoke generation when smoking meat products increased the depth of the smoke ring in beef steaks. Javelina Undergraduate and Graduate Research Symposium, 2018, Kingsville, TX.

Smith, W.B., **T.J. Machado**, L.O. Tedeschi, J.P. Banta, J.L. Foster, K.C. McCuiston, C.R. Long and F.M. Rouquette, Jr. Effects of level of DDG supplemented on pasture to performance in feedlot and carcass traits. Plains Nutrition Council, 2015, San Antonio, TX.

Gleason, H., and **T.J. Machado**. Effect of shading and color of goat water tanks on water temperature. 69th Annual Meeting of the Subtropical Agriculture and Environments Society, 2015, Weslaco, TX.

Vela, G., and **T.J. Machado**. Effect of beef and pork fat inclusion on color of raw and cooked Nilgai Antelope patties. Trevino, T.D., and T.J. Machado. Cooking time, cooking loss and patty shrink of Nilgai Antelope patties that include beef or pork fat. 68th Annual Meeting of the Subtropical Agriculture and Environments Society, 2014, Weslaco, TX.

Trevino, T.D., and **T.J. Machado**. Cooking time, cooking loss and patty shrink of Nilgai Antelope patties that include beef or pork fat. 68th Annual Meeting of the Subtropical Agriculture and Environments Society, 2014, Weslaco, TX.

Montemayor, K., **T. Machado**, K. McCuiston, M. Rouquette, and J. Paschal. The correlation of residual feed intake on carcass characteristics of Brahman and Brahman influenced steers. 68th Annual Meeting of the Subtropical Agriculture and Environments Society, 2014, Weslaco, TX.

Montemayor, K., **T. Machado**, K. McCuiston, M. Rouquette, and J. Paschal. The correlation of residual feed intake on carcass characteristics of Brahman and Brahman influenced steers. Center for Education and Training in Agricultural and Related Sciences Symposium, 2013. Puerto Rico.

Donato, C., S.D. Nelson, G. Schuster, R.L. Stanko, and **T. Machado**. Preparing Hispanic students to be leaders in their communities. Center for Education and Training in Agricultural and Related Sciences Symposium, 2013. Puerto Rico.

Nelson, S.D., R. Stanko, **T. Machado**, M. Persans, J. Halcomb, D. Villalon, and A. Duarte. STEP UP to USDA Career Success: A Bridge Model for 2- & 4-yr Institutions. Center for Education and Training in Agricultural and Related Sciences Symposium, 2013. Puerto Rico.

Albert, C.M., M. Garcia, K. McCuiston, and **T.J. Machado**. The effect of leucine supplementation on leptin in blood plasma serum. 2013. Texas A&M University System Pathways Symposium.

Rouquette, F.M., Jr., R.D. Randel, J. Paschal, **T.J. Machado**, C.R. Long. Relationship between carcass traits and tenderness with residual feed intake and residual average daily gain of Brahman steers. American Society of Animal Science Meeting, 2012. Phoenix, Arizona.

Machado, T.J., D.M. Wulf, and R.H. Pritchard. Dietary protein levels in feedlot diets altered adipose deposition and plasma urea nitrogen with little influence on plasma glucose and insulin. 62nd Annual Reciprocal Meat Conference, 2009. Rogers, Arkansas.

Machado, T.J., D.M. Wulf, R.H. Pritchard and K.W. Bruns. Timed protein restrictions in feedlot diets to alter adipose deposition with the goal to increase marbling in beef carcasses. 61st Annual Reciprocal Meat Conference, 2008. Gainesville, Florida.

Nath, T.M., C.D. Nath, **T.J. Machado**, A.D. Weaver, and D.M. Wulf. The use of electrical impedance to rapidly predict beef tenderness. 61st Annual Reciprocal Meat Conference, 2008. Gainesville, Florida.

Machado, T.J. and D.M. Wulf. Comparing three types of beef feedlot facilities and their effect on meat quality. 60th Annual Reciprocal Meat Conference, 2007. Brookings, South Dakota.

Machado, T.J., L.K. Muench, C.M. Hand, A.K.R. Everts, A.J. Everts, D.M. Wulf, and R.J. Maddock. Quality and retail display life of ground beef produced using novel grinding technology. 59th Annual Reciprocal Meat Conference, 2006. Champaign-Urbana, Illinois.

Everts, A.J., D.M. Wulf, T.M. Nath, A.K.R. Everts, **T.J. Machado**, and R.J. Maddock. Effects of pH-enhancement on chunked and formed hams processed from pale, average, and dark colored muscles. 59th Annual Reciprocal Meat Conference, 2006. Champaign-Urbana, Illinois.

Machado, T.J., K.E. Belk, T.E. Engle, J.A. Scanga, J.D. Tatum, and G.C. Smith. Supplementation of fed steers with a Biovance Technologies, Inc. anionic compound to improve beef tenderness. 51st Annual International Congress of Meat Science and Technology and 58th Annual Reciprocal Meat Conference, 2005. Baltimore, Maryland.

PRESENTATIONS

International

Machado, T.J. 2018. Carcass evaluation and carcass economics. Brahman Beef Seminar, Loma Plata, Paraguay, 11 June 2018.

Machado, T.J. 2018. How beef carcasses are fabricated in the U.S. and Paraguay, and factors that impact consumer eating experience. Brahman Beef Seminar, Loma Plata, Paraguay, 12 June 2018.

National

Machado, T.J. 2018. Beef grading, carcass value, and carcass fabrication. Short course for Hilton Chefs sponsored by the Texas Beef Council, Kingsville, Texas, 23-25 May 2018.

Machado, T.J. 2017. What the Santa Gertrudis Breed Offers. Santa Gertrudis Breeders International Carcass Quality Round Table, Fort Worth, Texas, 14 January 2017.

Nelson, S.D., R. Stanko, **T. Machado**, G. Schuster, and C. Donato-Molina. 2016. Finding balance in undergraduate research for graduate school and career preparation in Agricultural sciences. 62nd Annual NACTA Conference, Honolulu, Hawaii, 22-24 June 2016.

Smith, W.B., F.M. Rouquette, J.L. Kerby, L.O. Tedeschi, J.L. Foster, J.P. Banta, K.C. McCuiston, and **T.J. Machado**. 2015. Performance of *Bos indicus* versus *Bos taurus* stocker cattle grazing 'Costal' bermudagrass supplemented with distillers dried grains. American Society of Animal Science Meeting, 2015. Orlando, Florida, 12-16 July 2015.

Trevino, T.D., H. Avila, Jr., and **T.J. Machado**. 2015. Influence of sorghum syrup as a sweetener in fresh pork sausage patties on oxidation during retail display compared to corn syrup. 68th Annual Reciprocal Meat Conference, Lincoln, Nebraska, 14-17 June 2015.

Stanko, R.L., S.D. Nelson, **T.J. Machado**, G.L. Schuster, and C. Donato-Molina. 2015. Opportunities for underrepresented agriculture students in obtaining USDA job training in the STEP UP to USDA Career Success program. 61st Annual NACTA Conference, Athens, Georgia, 16-20 June 2015.

- Stanko, R.L., S.D. Nelson, **T.J. Machado**, G.L. Schuster, and *C. Donato-Molina*. 2014. Engaging underrepresented agriculture students through research and job training in the STEP UP to USDA career success program. 60th Annual NACRA Conference. Bozeman, MT, 25-27 June 2014.
- Donato, C., S.D. Nelson, G. Schuster, R.L. Stanko, and **T. Machado**. 2014. Preparing Hispanic students to be leaders in their communities. 60th Annual NACTA Conference. Bozeman, MT, 25-27 June 2014.
- Trevino, T.D., G. Vela, and **T.J. Machado**. 2014. Cooking loss, cooking time, patty shrink and color of Nilgai Antelope patties with beef or pork fat inclusion. 67th Annual Reciprocal Meat Conference. Madison, Wisconsin, 14-18 June 2014.
- Donato-Molina, Consuelo, Randy L. Stanko, Shad D. Nelson, **Tanner J. Machado**, and Greta L. Schuster. 2014. Engaging underrepresented students through Ag-related career and research training in the 'STEP UP to USDA Career Success' program. Agri-Science Education for the 21st Century: Diversity I Access I Success conference. Miami, FL, 15 October 2014.
- Nelson, S.D., **T. Machado**, R. Stanko, E. Louzada, D. Ruppert, G. Schuster, M. Setamou, J. Melgar, M. Persans, D. Villalon, A. Duarte, J. Halcomb. 2014. STEP UP to USDA Career Success (Science, Technology & Environmental Programs for Undergraduate Preparation to USDA Career Success). NIFA-ARS HIS Grants Program New Project Directors' Training. Beltsville, MD, 9-10 January, 2014.
- Machado, T.J.**, C.L. Jordan, and C.M. Albert. 2013. Tenderness and palatability of Nilgai Antelope meat. 66th Annual Reciprocal Meat Conference. Auburn, AL, June 2013.
- Nelson, S.D., R. Stanko, **T. Machado**, and G. Shuster. 2013. Providing Underrepresented Agriculture Students a STEP UP to USDA Career Success. North American Colleges & Teachers of Agriculture Conference. Blacksburg, VA, June 2013.
- McCuistion, K., D. Kinkel, S. Lukefahr, M. Garcia, S. Henke, **T. Machado**, R. Stanko, Z. Lopez, and A. Coronado. 2013. Improving student success through professional development opportunities. North American Colleges & Teachers of Agriculture Conference. Blacksburg, VA, June 2013.
- Montemayor, K., **T. Machado**, K. McCuistion, M. Rouquette, and J. Paschal. 2013. The correlation of residual feed intake on carcass characteristics of Brahman and Brahman influenced steers. Center for Education and Training in Agricultural and Related Sciences Symposium. Puerto Rico.
- Donato, C., S.D. Nelson, G. Schuster, R.L. Stanko, and **T. Machado**. 2013. Preparing Hispanic students to be leaders in their communities. Center for Education and Training in Agricultural and Related Sciences Symposium. Puerto Rico.
- Nelson, S.D., R. Stanko, **T. Machado**, M. Persans, J. Halcomb, D. Villalon, and A. Duarte. 2013. STEP UP to USDA Career Success: A Bridge Model for 2- & 4-yr Institutions. Center for Education and Training in Agricultural and Related Sciences Symposium. Puerto Rico.
- Machado, T.J.**, A.A. Pena, C.A. Stephens, B.J. Ozuna, and C.M. Albert. Characteristics of Nilgai Antelope carcasses and meat quality. 2012. 65th Annual Reciprocal Meat Conference. Fargo, ND, June 2012.

Rouquette, F.M., Jr., R.D. Randel, J. Paschal, **T.J. Machado**, and C.R. Long. 2012. Relationship between carcass traits and tenderness with residual feed intake and residual average daily gain of Brahman steers. American Society of Animal Science Meeting. Phoenix, AZ.

Behrens, J.W., R.K. Miller, J.C. Bailey, J.T. Walter, A.N. Hafla, E.D. Mendes, D.S. Hale, **T. Machado**, L.O. Tedeschi, and G.E. Carstens. 2011. Effects of temperament classification and breed type on carcass characteristics, tenderness and carcass value in feedlot heifers. 64th Annual Reciprocal Meat Conference. Manhattan, KS, June 2011.

State

T.J. Machado. 2018. What is Meat Science. 4-H Prestige Leadership Conference for Texa A&M AgriLife Extension, Kingsville, TX, 17 July 2018.

T.J. Machado. 2018. Feedlot production, carcass evaluation and fabrication. Texas Youth Cattle Conference, Kingsville, TX, 19-20 June 2018.

Machado, T.J. 2018. Helping students secure internships and external mentors. High Impact Practices in Higher Education Conference, Kingsville, TX, 13 April 2018.

Machado, T.J. 2018. Beef Production. A recorded webinar for the Texas Beef Council. February 2018.

Machado, T.J. 2016. Today's Beef. Texas Beef Council Farm to Fork Event for Dietitians, Denton, TX, 7 October 2016.

Machado, T.J. 2016. Today's Beef. Texas Beef Council Farm to Fork Event for Dietitians, Lubbock, TX, 26 September 2016.

T.J. Machado. 2016. Carcass evaluation and taste panel. Texas Youth Cattle Conference, Kingsville, TX, 14 June 2016.

Machado, T.J. 2015. Today's Beef. Texas Beef Council Farm to Fork Event for Dietitians, Dallas, TX, 6 November 2015.

Machado, T.J. 2015. HSIs Education Grants Program. NIFA Grants Workshop in Texas, San Marcus, TX, 27 August 2015.

Machado, T.J. 2015. Goat Meat Production and Goat Hide Uses. Texas Goat Raisers Association Workshop, Mt. Pleasant, TX, 25 April 2015.

Albert, C.M., M. Garcia, K. McCuiston, and **T.J. Machado**. 2013. The effect of leucine supplementation on leptin in blood plasma serum. Texas A&M University System Pathways Symposium. Kingsville, TX.

Machado, T.J. Sodium in Processed Meats, The Texas Beef Council "The Ranch", June 3, 2011

Machado, T.J. Meat Industry & Consumer Demands, “Pasture to Plate” Beef Marketing Seminar, Zapata, TX, July 16, 2010

Regional

Machado, T.J. 2018. Today’s Beef. Texas Beef Council Farm to Fork Event for Dietitians, Lubbock, TX, 21 September 2018.

Machado, T.J. 2017. Eating Appeal of Beef. Rio Grande Valley Beef 706-Session 3, Kingsville, TX, 21 October 2017.

Hale, D., and **T.J. Machado.** 2016. Eating Appeal of Beef. South Texas Beef 706-Session 3, Kingsville, TX, 2 November 2016.

Machado, T.J. 2016. Beef Grading. South Texas Beef 706-Session 3, Kingsville, TX, 1 November 2016.

Machado, T.J. 2016. Feeder Calve Evaluation. South Texas Beef 706-Session 1, Alice, TX, 23 May 2016.

Gleason, H., and **T.J. Machado.** 2015. Effect of shading and color of goat water tanks on water temperature. 69th Annual Meeting of the Subtropical Agriculture and Environments Society, Weslaco, TX, 6 February 2015.

Vela, G., and **T.J. Machado.** 2014. Effect of beef and pork fat inclusion on color of raw and cooked Nilgai Antelope patties. 68th Annual Meeting of the Subtropical Agriculture and Environments Society, Weslaco, TX, 21 February 2014.

Trevino, T.D., and **T.J. Machado.** 2014. Cooking time, cooking loss and patty shrink of Nilgai Antelope patties that include beef or pork fat. 68th Annual Meeting of the Subtropical Agriculture and Environments Society, 2014, Weslaco, TX, 21 February 2014.

Montemayor, K., **T. Machado, K. McCuistion,** M. Rouquette, and J. Paschal. 2014. The correlation of residual feed intake on carcass characteristics of Brahman and Brahman influenced steers. 68th Annual Meeting of the Subtropical Agriculture and Environments Society. Weslaco, TX, 21 February 2014.

Machado, T.J. 2014. Goat Meat Production and Goat Hide Uses. Meat Goat Production, Marketing and Land Use Workshop. Texas A&M AgriLife Extension Service, Weslaco, TX, 12 July 2014.

Machado, T.J. Country of Origin Labeling, Rio Grande Valley Livestock Show, Inc. International Day, March 19, 2010

Local

Machado, T.J. Improving the Value of Your Calf’s Carcass, Texas A&M AgriLife Extension, Jim Wells County, Oct. 4, 2018.

Machado, T.J. Facts and Myths on the Safety of our Food Supply, Texas A&M AgriLife Extension, Jim Wells County, Dec. 9, 2015.

Machado, T.J. Female Replacement Evaluation, Texas A&M AgriLife Extension, Ranch and Range Field Day, Sept. 12, 2015.

Machado, T.J. Beef Quality Assurance, Universidad Autónoma de Chapingo Agri-Industry Seminar, Jan. 25, 2011

Machado, T.J. Beef Quality Assurance, Universidad Autónoma de Chapingo Agri-Industry Seminar, Feb. 1, 2010

RESEARCH AND CREATIVE ACTIVITIES

Funded Grants

Bell, N.L., **T. Machado**, and R. Stanko. Evaluating the effect of electrolyzed reduced water on the rumen microbiome and ruminal fermentation parameters in steers consuming forage or concentrate ration. HerdX, Inc. (2018-2019), \$14,263.66.

Machado, T., C. Donato, S. Nelson, and R. Stanko. Provide NRCS educational tours, internships and career opportunities for Hispanic and other students. U.S. Department of Agriculture-Natural Resources Conservation Service (2018-2020; NR183A750015C004), \$155,000.

McCuiston, K., N. Bell, and **T.J. Machado**. Advancing LEADERS 2 the Doctorate (LEADERS: Learning, Enhancing, and Developing Experiential Research Skills). U.S. Department of Agriculture-NIFA-HSI (2017-2021), \$1,000,000.

Machado, T., R. Stanko, G. Schuster, and S. Nelson. Natural Resources Career Development Program. U.S. Department of Agriculture-Natural Resources Conservation Service (2017-2018), \$100,000.

Nelson, S., D. Ruppert, R. Stanko, G. Schuster, and **T. Machado**. START NOW: Student Training in Agricultural Research Techniques by Novel Occupational Workshops. U.S. Department of Agriculture-NIFA-HSI (2016-2020), \$1,500,000.

Machado, T., S. Nelson, and R. Stanko. Increase Qualified Hispanic Student Enrollment in Pathways Programs through Natural Resources Career Development Program. U.S. Department of Agriculture-Natural Resources Conservation Service (2016-2017; #69-3A75-16-915), \$61,600.

TAMUK Subcontract \$440,000, Lead—UT El Paso \$2,000,000. Wheels of Change: A Consortium to Develop Leaders in Agriculture in the Areas of Sustainable Energy and Natural Resources. USDA-NIFA HSI (2015-2019). TAMUK Subcontract: S. Nelson (PD), R. Stanko, **T.J. Machado**, and G. Schuster.

TAMUK Subcontract \$388,000, Lead—UT Pan American \$1,000,000. STEP 2 USDA Research Success: South Texas Excellence Program to Research Success. USDA-NIFA HSI (2015-2019). TAMUK Subcontract: R. Stanko (PD), S. Nelson, **T.J. Machado**, and G. Schuster.

Machado, T.J., S. Nelson, and C. Donato. Preparing underrepresented students for careers in NRCS. U.S. Department of Agriculture-Natural Resource Conservation Service (2015), \$33,000.

Machado, T.J. Determining if water temperature impacts frequency of water consumption by goats. TAMUK-TCUR 2014-2015 Undergraduate Research Award. \$2,460.

Machado, T.J. and S.D. Nelson. Texas A&M University-Kingsville's support of an NRCS Career Development Program (NRCDP) by planning and implementing an NRCDP event assisting students in developing their skills to compete for Pathways opportunities at NRCS. U.S. Department of Agriculture-Natural Resources Conservation Service (2014), \$5,000.

Machado, T.J., K.C. McCuiston, M. R. Garcia, and C.M. Albert. Confirming that dietary leucine influences leptin in cattle. Kemin Industries, Inc., Kemin Agrifoods North America, Inc. (2013), \$3,656.

Rouquette, Jr., F.M., J.L. Foster, L.O., Tedeschi, K.C. McCuiston and **T.J. Machado**. Estimates and prediction of efficiency of stocker production when supplemented with levels of DDG on pastures in humid and semi-arid regions of Texas. Texas A&M AgriLife Research (2014-2015), \$137,000 (\$2,000 to TAMUK for collaborative work).

McCuiston, K.C. and C. Loest. The LEADERS Program: Learning, Enhancing, and Developing Experiential Research Skills. USDA HSI (2013-2017), \$800,000. (Collaborator: Machado).

Machado, T.J. Alternative smoke application to sausages. TAMUK-TCUR 2012-2013 Undergraduate Research Award. \$3,000, (Author & Research hypothesis: Machado).

S.D. Nelson, R. Stanko, Louzada, Ruppert, **Machado**, Schuster, Setamou, Melgar. STEP UP to USDA Career Success: Science, Technology and Environmental Programs for Undergraduate Preparation to USDA Career Success. USDA-NIFA HIS (2011-2015), \$4,400,000. The grant was funded for \$800,000 each year for four years = \$3,200,000, (Authors: Nelson and Stanko).

Machado, T.J., K.C. McCuiston, and M.R. Garcia. Determining if dietary leucine will influence leptin circulation in cattle. Texas A&M University-Kingsville Research Awards (2010), \$10,000, (Author & Research hypothesis: Machado).

K. McCuiston, D. Kinkel, S. Lukefahr, M. Garcia, S. Henke, **T. Machado**, and R. Stanko. Improving student success through professional development opportunities. USDA National Institute of Food and Agriculture (2010-2013), \$290,000, (Authors: McCuiston and Kinkel).

Machado, T.J., D.M. Wulf, and R.H. Pritchard. The effect of dietary protein levels in feedlot diets on plasma metabolites and hormones to understand changes in adipose deposition. South Dakota Beef Industry Council (2008), \$22,492, (Author: Machado, Research hypothesis of Machado).

Wulf, D.M., **T.J. Machado**, and R.H. Pritchard. Timed protein restrictions in feedlot diets to alter adipose deposition with the goal to increase marbling in beef carcasses. National Cattlemen's Beef Association and South Dakota Beef Industry Council (Jan 1, 2007-May 31, 2008), \$92,260, (Author: Machado, Research hypothesis of Wulf and Machado).

Pritchard, R.H, D.M. Wulf, and **T.J. Machado**. Determining if altering feeding program could improve marbling, flavor, and tenderness in beef. South Dakota Beef Industry Council (2005), \$41,500, (Author: Machado, Research hypothesis of Pritchard)

Wulf, D.M., R.H. Pritchard, and **T.J. Machado**. Comparing three types of beef feedlot facilities and their effect on meat quality. South Dakota Beef Industry Council (2005), \$38,660, (Author: Machado, Research hypothesis of Pritchard and Wulf)

PROFESSIONAL GROWTH ACTIVITIES

Membership in Professional Societies

American Meat Science Association (2001-Present)
American Society of Animal Science (2011-Present)
Subtropical Agriculture and Environments Society (2018-Present)
LEAD21-Leadership for the 21st Century (2014-2016)

Leadership Roles in Professional Societies

Intercollegiate Meat Coaches Association Executive Committee (2012-2015; 2018-Present)
Director of Animal Science for the Subtropical Agriculture and Environments Society (2018-Present)
LEAD21—Member of the Board of Directors (2014-2016)
LEAD21—Member of the Recruitment & Application Committee (2015-2016)
LEAD21—Member of the Evaluation Committee (2015-2016)
Intercollegiate Meat Coaches Association Past President (2015-present)
Intercollegiate Meat Coaches Association President (2014-2015)
Intercollegiate Meat Coaches Association President Elect (2013-2014)
Reciprocal Meat Conference Host Committee (2015)
Reciprocal Meat Conference Planning Committee (2015)
Reciprocal Meat Conference Host Committee (2007)

Attendance at Meetings of Professional Societies

Reciprocal Meat Conference (2001, 2003-2015, 2017-2018)
Intercollegiate Meat Judging Clinic (2012, 2015, 2017 & 2018)
Southwest Meat Association Annual Convention (2010, 2011, 2013, & 2018)
Texas Hispanic Farmer and Rancher Conference (2017-2018)
High Impact Practices in Higher Education Conference (2018)
Annual Meeting of the Subtropical Agriculture and Environments Society (2014, 2015, & 2018)

Texas Association of Meat Processors Convention (2016)
North American Colleges & Teachers of Agriculture Conference (2013, 2014 & 2016)
LEAD21-Leadership for the 21st Century Board Meeting (2015 & 2016)
USMEF International Markets and Opportunities Overview (2015)
American Association of Meat Processors Convention (2014)
Latinos in Agriculture Leaders Conference (2013)
Texas A&M Beef Cattle Short Course (2012)
Industry Leaders Day for the Brush Country Bulls and Allied Genetic Resources (2012)
Texas and Southwestern Cattle Raisers Association (TSCRA) Convention (2011)
Southern Association of Agricultural Scientists (2011)
Texas Beef Council Board Meeting (2010)
Forage & Beef Workgroup (2010)

Professional Service Activities

Journals Reviewed

- Reviewer for the Subtropical Agriculture and Environments Subtropical Agriculture and Environments Society: 1 manuscript (SAE 2017-1).
- Reviewer for the African Journal of Wildlife Research: 1 manuscript (SAWMA-D-15-00023).
- Reviewer for the Texas Journal of Agricultural and Natural Resources: 1 manuscript (TJANR-2015-03).
- Reviewer for the Journal of Animal Science: 1 manuscript (E-2011-5010.R1).
- Reviewer for 10th WRSA-World Rabbit Congress: 1 manuscript (WRC2012-ME018).

Other Activities

2010-present: Actively provided resources and knowledge to Texas A&M University-College Station researchers at Sam Kane Beef Processors, Inc.

2018

- Coordinated and executed a NRCS Career Development Program hosted at TAMUK, November 27, 2018.
- Coordinated and presented at the Prestige Leadership Conference 2018 for Texas A&M AgriLife Extension, July 17, 2018.
- Coordinated and presented at a Texas Beef Council Student Event hosted at TAMUK, June 19 & 20, 2018.
- Was a judge for the fed steer competition and carcass competition at the Brahman Beef Seminar, Loma Plata, Paraguay, June 10 & 12, 2018.
- Coordinated, executed, and presented at a Pasture to Plate event for Hilton Chefs hosted by TAMUK for the Texas Beef Council, May 23 & 24, 2018.
- Traveled to the Dominican Republic to provide guidance for a meat company, February 18-23, 2018.
- Created a webinar podcast about beef production for the Texas Beef Council, February, 2018.

2017

- Coordinated and executed a NRCS Career Development Program hosted at TAMUK, November 2, 2017.
- Coordinated the Rio Grande Valley Beef 706 Session 3 event that was hosted at TAMUK, and also presented educational material at the event, October 20-21, 2017.
- Collaborated and executed a beef carcass yield prediction project with Texas A&M University—College Station, Summer/Fall 2017.
- Presented at a Texas Beef Council Student Event hosted at TAMUK, June 14, 2017.
- Judge for the Best Butcher In Texas regional competition, sponsored by the Texas Beef Council, April 1, 2017.

2016

- Coordinated the South Texas Beef 706 Session 3 event that was hosted at TAMUK, and also presented educational material at the event, November 1-2, 2016.
- I was a judge for the Texas Association of Meat Processors Convention for their product show, August 6, 2016.
- Presented at a Junior Santa Gertrudis International event hosted at TAMUK, July 22, 2016.
- Presented at a Texas Beef Council Student Event hosted at TAMUK, June 14, 2016.
- Presented at the Beef 706 session 1.
- LEAD21-Leadership for the 21st Century Board Meeting in Washington, D.C.—2016.

2015

- LEAD21-Leadership for the 21st Century Board Meeting in Washington, D.C.—2015.

2014

- At the American Association of Meat Processors Convention (AAMP), I provided information at a meeting that developed a collegiate processed meats competition.
- At the national meat science conference (RMC), I provided my expertise in a working group event for which researchers, industry members, and government employees determined the top five research areas that the American Meat Science Association would prioritize in the upcoming year.
- Conducted research with Merck Animal Health at both a feedlot and at Sam Kane Beef Processors, Inc.

2011

- I got two undergraduates involved with the meat science program by taking them to a thermal processing workshop title “Bring the Heat”; College Station, TX—6/1-2/2011.
- I participated in a Webinar from Food Seminars International titled Sodium Reduction; Kingsville, TX—4/21/2011.
- I attended the Winds of Change 5th TAMUK Conference on the Scholarship of Teaching and Learning; Kingsville, TX—2/10-11/2011.

2010

- I attended the 2010 Systems Thinking Lectureship put on by the King Ranch Institute for Ranch Management.

SERVICE ACTIVITIES

Committee Assignments

College of Agriculture and Human Sciences

ASVT Chair Search Committee (2018-Present)
MOA DVM Evaluation Committee (2017-Present)
College Tenure Committee (2017)
Ag Olympics Committee (2013-2016)
Vet Technology Veterinarian Search Committee (2015)
AGSC Search Committee (2014-2015)

Texas A&M University

Faculty Senate Representative (2010-2012; 2017-Present)
Faculty Senate Executive Committee (2018-Present)
Piper Award Committee (2017 & 2018)
Undergraduate Curriculum Committee (2016-Present)
General Education Committee (2014-2017)
Emergency Management Team for Howe Ag (2018-Present)
Annual Faculty Lecture Committee (2010-2012; 2015-2016)
Committee on Committees Chair (2010-2013; 2017)
Faculty Handbook Committee (2010)

Leadership roles on committees is

Chair, Ag Olympics Committee (2013-2016)
Chair, Committee on Committees (2010-2013)

Student Organization-Advisor

TAMUK Meat Judging Team (Advisor and Coach; 2012-present)
Pre-Vet Club (2013-present)
Alpha Zeta (2015-2016)
Block & Bridle (2010-2015)

Other Services to the University

2018

- Attended a recruiting event at James Madison High School in San Antonio, TX—11-16-2018.
- Attended a recruiting event at the Orange Grove High School—11-16-2018
- Attended Graduation (Spring and Fall)
- Participated in the College BBQ Cook-off—11-10-2018.
- Presented material on Pre-Vet and Meat Judging to UNIV courses—10/16-17/2018.
- Assisted with the student presentations for their Summer Career Experience—9-19-2018
- Spoke at the College's Freshman Welcome event—9-11-2018.

- Assisted with students traveling to an internship with USDA in Beltsville, MD, and had meetings with their research mentors, and the Director & Assistant Director of the USDA-ARS center at Beltsville—5/31 through June 4, 2018.
- I took Pre-Vet club members to a reptile refuge and the Veterinary School in College Station—4/21/2018.
- I organized volunteers and was the announcer at the Livestock Judging contest at the Area X Career Development Events—(over 100 students)—4/17/2018.
- Created a YouTube video for TAMUK titled “The Science Behind Fajitas”—3-28-2018.
- Assisted the Pre-Vet Club with Spring Fling—3-28-2018.
- Presented Meat Judging material to UNIV courses—2-5 & 6-2018.

2017

- Assisted the Pre-Vet Club with Fall Carnival—10-18-2017
- Participated in the College of ANRHS’s BBQ competition—10-7-2017
- Assisted with the student presentations for their Summer Career Experience—9-20-2017
- Presented at a Javelina Preview Day—4/29/2017
- I took students to the North American Colleges and Teachers of Agriculture (NACTA) judging contests in Manhattan, KS—4/20-21/2017.
- I organized volunteers and was the announcer at the Livestock Judging contest at the Area X Career Development Events—(over 100 students)—4/12/2017
- Participated in the College of ANRHS’s Ag Olympics—3/22/2017
- Attended Graduation (Spring and Fall)

2016

- Participated in the College of ANRHS’s BBQ competition—10/1/2016
- Represented the university at the Kleberg County Adult Literacy Council’s Scrabble Tournament—8/5/2016
- I organized volunteers and was the announcer at the Livestock Judging contest at the Area X Career Development Events—(over 100 students)—4/14/2016
- Attended Graduation (Spring and Fall)

2015

- Represented the university at the Kleberg County Adult Literacy Council’s Scrabble Tournament—8/7/2015
- Organized a campus visit for potential graduate student (1 student)—8/3-5/2015
- Recruited graduate students at the national meat science conference (6 students)—6/13-17/2015
- Organized, developed and presented educational exercises, and was highly active in the daily aspects of the STEP-UP summer camp—5/28-29/2015
- Conducted a science demonstration for sixth-grade students from Three Rivers ISD—5/7/2015
- I organized volunteers and was the announcer at the Livestock Judging contest at the Area X Career Development Events—(over 100 students)—4/8/2015
- Participated in a student recruitment event—2/13/2015
- Presented at a Javelina Preview Day—1/31/2015
- Attended Graduation (Spring and Summer)

2014

- Presented at a Javelina Preview Day—11/15/2014
- Organized, developed and presented educational exercises, and was highly active in the daily aspects of the STEP-UP summer camp—6/4-6/2014
- I presented information to students from the Universidad Autónoma Chapingo about the Animal Science program at TAMUK—July 7/2014
- Conducted a science demonstration for sixth-grade students from Three Rivers ISD (45 students, 3 teachers, 1 principle).
- I was involved with the organization and execution of the College of AGNRHS Bar-B-Que Cook-Off.
- I organized volunteers and was the announcer at the Livestock Judging contest at the Area X Career Development Events (over 100 students)
- I was a judge for the Collegiate FFA's Costume Contest (10-28-2014)
- Developed and taught educational exercises for students in the Agriculture Math Camp
 - Attended the Math Camp Banquet
- Attended the Agriculture Career Fair (9-4-2014)
- Attended Ag Olympics
- Assisted with the collegiate soil judging contest that was hosted at TAMUK.
- Attended Graduation (Spring, Summer, and Fall)
- Attended the AgNRHS College Back-to-School Lawn Party
- Coordinated delivery of a product from Guerro Brand Inc. to Washington, D.C. for the Taste of the South. The event provided advertisement for both the meat company and TAMUK.

2013

- Attended TXAI/TAMUK Ag Science Teachers Alumni Reception
- Sponsor of an Ag Olympics team.
- I was involved with the organization and execution of the College of AGNRHS Bar-B-Que Cook-off.
- Assisted with the Freshman Fiesta Cook-off
- I organized volunteers and was the announcer at the Livestock Judging contest at the Area X Career Development Events
- I was a judge for the job interview contest for the Ag Consortium of Texas Conference
- Presented at three Javelina Preview Days—1/26, 2/8, 4/27
- Organized, developed and presented educational exercises, and was highly active in the daily aspects of the STEP-UP summer camp—6/6-8/2013
- Talked to students from the Universidad Autónoma Chapingo about the Animal Science program at TAMUK, and I also talked to students from Houston Community College

2012

- I gave a tour of the meat lab for a program called GEAR UP—April 13/2012
- Assisted with the Ag College Week—6/12/2012 & 6/26/2012
- I talked to students from the Universidad Autónoma Chapingo about the Animal Science program at TAMUK—July 23/2012
- Spoke at the Hoggie Preview Day—11/17/2012
- Participated in the Transculturation Program

- I was a sponsor for a team at Ag Olympics.
- I attended the Animal Science Tailgate.
- I was involved with the organization and execution of the College of AGNRHS Bar-B-Que Cook-Off.
- I was a part of a team for the Freshman Fiesta Cook-off—April 26/2012
- I helped cook nilgai burgers for the College’s Block Party—7/6/2012
- Attended Alpha Tau Alpha’s student induction ceremony.
- I organized volunteers and was the announcer at the Livestock Judging contest at the Area X Career Development Events—4/11/2012

2011

- Assisted with the ANSC Summer Camp—6/8-10/2011
- Went to Palo Alto College and talked to a class to recruit students to TAMUK—4/28/2011
- I was a sponsor for a team at Ag Olympics.
- I attended the Animal Science Tailgate.
- I provided my academic experience with the students of a Hoggie Day event this summer.
- I participated in the College of AGNRHS Bar-B-Que Cook-Off.

2010

- Judge for the Javelina Research Symposium Spring 2010 for both the Poster Presentation and Powerpoint Presentations
- Gave 2 one hour talks to junior high students involved with the “College for a Day” in September and November
- I was a sponsor for a team at Ag Olympics.
- I attended the President’s Tailgate.
- I participated in the Javelina Ag Alumni and Student Cook-Off.
- I participated in the College of AGNRHS Bar-B-Que Cook-Off.
- I helped judge presentations that determined which students made it on the Academic Quadrathlon Team.

Service Activities Outside University

Each year area producers and breed associations contact me to get carcass data and to conduct Warner-Bratzler Shear Force on cattle they have. The producers and breed associations use the data to make progress in genetic selection. I provide this as a service and subsequently use the money raised to support the meat judging team.

2011-Present: I announce the Kleberg-Kenedy County Fair

2018

- Coordinated and provided my expertise in carcass data collection for a regional cattle producer.
- Assisted with carcass data collection for the San Antonio Livestock Show.
- Collected tenderness data for the American Brahman Breeders Association.
- I was a ringman for the Kleberg-Kenedy Country Fair Auction.

2017

- I was the auctioneer for the Ducks Unlimited Banquet hosted at TAMUK.
- Coordinated and provided my expertise in carcass data collection for a regional cattle producer.
- Assisted with carcass data collection for the San Antonio Livestock Show.
- Consulted a rancher with a branded meat program. The rancher's name is Grant Vassberg.

2016

- Assisted with carcass data collection for the San Antonio Livestock Show.
- Consulted a rancher who is attempting to develop a branded meat program. The rancher's name is Grant Vassberg.
- Coordinated, and provided my expertise in carcass data collection and shear force evaluation for the Santa Gertrudis steer feed-out. Generated a report on feedlot performance and carcass characteristics for the producers.

2015

- Participated in a Kingsville's Next Generation event.
- Consulted a rancher who is attempting to develop a branded meat program. The rancher's name is Grant Vassberg.

2014

- I consulted Cisneros Packing Co., Inc. with a mold growth issue in their packages of dried beef.
- Consulted a rancher who is attempting to develop a branded meat program. The rancher's name is Grant Vassberg.
- I was a judge for Texas Farm Bureau's Discussion Meet Contest (12-6-2014).
- I was a judge for the Rio Grande Valley Commercial Female Pen Show

2013

- I trained workers of Stripes Convenience Stores on sanitation and food safety.
- I was a judge for the Rio Grande Valley Commercial Female Pen Show
- I was a judge for the Cowboy Classic prospect show in Mercedes, TX

2012

- I was a judge for the Rio Grande Valley Commercial Female Pen Show 2012

2011

- I was a judge for the undergraduate presentations for the Academic Quadrathlon at the Southern Association of Agricultural Scientists; Corpus Christie, TX—2/8/2011
- I volunteered my time to teach success skills to Sophomore students at H.M. King High School. The success skills program is a part of the national group called Junior Achievement. The program entailed one hour instruction on success skills for seven weeks.

2010

- I judged the Commercial Female Pen Show at the Rio Grande Valley Livestock Show.
- I was a dog judge for the event called "Leash on Life" put on by MANRRS.

HONORS AND AWARDS

- North American Colleges and Teachers of Agriculture Teaching Award of Merit (2016)
- President of the community group called Kingsville's Next Generation (2013)
- AMSA Reciprocal Meat Conference Ph.D. Research Poster Competition (2008): 2nd Place