

Flavio Rodrigues Borges Ribeiro

Assistant Professor in Animal Science
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EDUCATIONAL BACKGROUND:

Ph.D. in Animal Science with emphasis in Ruminant Nutrition and Meat Science, 2009, Texas A&M University, College Station, TX.

Master of Science in Animal Science, 2005, Iowa State University, Ames, IA.

Post Graduate Certificate in Animal Science, 2003, University of California, Davis, CA.

BS in Animal Science, 2002, Faculdade de Agronomia e Zootecnia de Uberaba (FAZU), Uberaba, MG, Brazil.

PROFESSIONAL EXPERIENCE:

January 2009 – Present – Assistant Professor, Department of Agricultural Sciences, Texas A&M University-Commerce. Instruction in Animal Nutrition, Meat Science, Beef Cattle Production, and Real-Time Ultrasound courses. Conduct Research in Animal Nutrition, Effects of Nutrition in Performance, Carcass and Non-Carcass Composition and Meat Quality, and Real-Time Ultrasound to measure body composition in carcass and non-carcass traits.

August 2005 to December 2008 – Graduate Research and Teaching Assistant. Working with Dr Gordon Carstens, Dr Rhonda Miller and Dr Luis Tedeschi on ongoing projects at Texas A&M University. Real-time ultrasound technician for all ongoing projects at the TAMU Department of Animal Science. Using ultrasound to measure body composition in beef cattle and determine relationships with other traits such as, RFI, temperament, diet, breed, and etc. Research focus: Relationship of feed efficiency (RFI) with body composition, carcass and meat quality traits. Relationship of temperament with carcass quality traits.

March 2005 - Instructor for Biotronics,Inc. Ultrasound Training. March 30, 31 and April 1.

January 2005 - Instructor for Biotronics,Inc. Ultrasound Training. January 5, 6 and 7.

October 2004- Instructor for Biotronics,Inc. Ultrasound Training. October 18 and 19.

January 2004 - Present: Introduction of carcass evaluation program for Nelore cattle at Fazenda Rancho da Matinha. The use of ultrasound to develop carcass EPD's.

August 2003 – May 2005: Graduate Research Assistant. Worked with Dr. Gene Rouse, Dr. Doyle Wilson and Dr. Tom Baas on ongoing projects at ISU Beef Cattle Research farms and Swine Research Farms. Use of real-time ultrasound to predict carcass traits, EPD's and carcass quality. Warner Bratzler shear force for tenderness determination for beef, carcass data collection in packing plants, preparation of samples for ether extract for determination of intramuscular fat and etc.

January 2003 - March 2003: Internship at the Nutrition Lab at UC Davis with Ph.D. candidate Clair Spackman. Organizing samples for analyses from Spackman's research and other researchers' projects samples. Analyses of: Ether Extract, Dry Matters, NDF (Neutral Detergent Fiber), ADF (Acid Detergent Fiber), Crude Protein, Cellulose, Lignin, etc.

October 2002 - July 2003: Worked with Dr. Roberto Sainz on ongoing projects at the UC Davis Beef cattle facility. Use of real-time ultrasound technology to collect carcass images from live steers. Analyses of the images collected from the ultrasound. Blood collection in cattle for diverse laboratory analyses. Worked on a project looking at effects of breed type and growing program on feedlot beef steers.

July 2001: Internship at OMB farms in Pontes e Lacerda/MT. Collection of data from animals (e.g. weight, scrotal circumference, height) to be sent to Breeders Association. Selection of cattle for sale. Selection of animals to be evaluated by the association inspector for registration.

February to July 1998: Internship at Nova India Genetics in Uberaba/MG. Selection of bulls for beef producers. Weight control of show cattle that were being prepared for cattle shows. Bull semen collection and semen analyses for freezing semen. Pasture quality control.

1996-2002: Worked at Rancho da Matinha in Uberaba/MG with cattle and horses. General horse and cattle management. Management of horse and cattle breeding season, herd health control, horse semen collection, horse training, cows breeding program assistant, pasture quality control, collection of data to send to Breeders Association. Assistance to costumers at horse and bull sales by describing features of the animals.

PROFESSIONAL CERTIFICATIONS:

July 2009 to present – BQA Certified; Texas Cow-Calf and Stocker Beef Safety and Quality Assurance Training. A cooperative program by Texas and Southwestern Cattle Raisers Association, Texas Beef Council, and the Texas AgriLife Extension Service.

August – December 2006 – HACCP Trained; Introductory HACCP Training, Accredited by the International HACCP Alliance.

September 2006 to present – Professional Animal Scientist. Area of Specialization in Beef Cattle. Accredited by American Registry of Professional Animal Scientists.

January 2004 to present – Ultrasound Guidelines Council Field Certified Ultrasound Technician for beef cattle body composition.

January 2005 – January 2007: Ultrasound Guidelines Council Lab Certified Ultrasound Technician for beef cattle body composition.

TEACHING EXPERIENCE:

Texas A&M University-Commerce. January 2009 – Present.

Undergraduate Courses:

AG 408 Nutritional Biochemistry
ANS 307 Animal Feeding
ANS 412 Beef Cattle Management
ANS 407 Animal Nutrition
ANS 411 Small Ruminant Management
ANS 497 Ultrasound Methodology
EQSC 342 Equine Nutrition
FDSC 318 Meat Technology

Graduate Courses:

ANS 497/597 Ultrasound Methodology
ANS 597 Ruminant Nutrition
ANS 597 Advanced Beef Cattle Management
ANS 597 Ultrasound Research
ANS 597 Ration Formulation
ANS 597 Advanced Animal Growth and Development

Texas A&M University. January 2006 to December 2009

ANSC 318 Animal Feeds and Feeding

Iowa State University. August 2003 to May 2004

ANSC 345 Growth Related to Value Based Marketing
ANSC 426 Beef Cattle Systems Management

ACADEMIC ADVISOR SERVICES:

September 2009 – to present: International Stockmen's Educational Foundation (ISEF) Student Travel Fellowship selection committee – Member

January 2009 – to present: North East Texas Beef Improvement Organization – Academic Advisor

January 2009 – to present: Texas A&M University-Commerce Institutional Animal Care and use Committee – Member

March 2009 – to present: Alpha Gamma Rho Beta Lambda Chapter, Texas A&M University-Commerce, Commerce, TX – Advisor

August 2009 to present: Texas A&M University-Commerce, Department of Agricultural Sciences Scholarship Committee – Member

EXTENSION SERVICE:

March 26, 2008 – Scan cattle with real-time ultrasound for body composition for commercial steer show at Brazos Valley County Fair, Bryan, TX.

March 28, 2007 – Scan cattle with real-time ultrasound for body composition for commercial steer show at Brazos Valley County Fair, Bryan, TX.

April 1, 2006 – Scan cattle with real-time ultrasound for body composition for commercial steer show at Brazos Valley County Fair, Bryan, TX.

March 31, 2006 – Scan cattle with real-time ultrasound for body composition for steer show at Smith County Fair, Tyler, TX.

SCHOLARSHIPS, FELLOWSHIPS AND AWARDS:

Dan F. Jones Memorial Scholarship, Fall 2007.

Dan F. Jones Memorial Scholarship, Spring 2006.

International Stockmen's Educational Foundation Travel Fellowship to the 2005 International Livestock Congress in Houston, Texas, March 2-3.

PUBLICATIONS:

Rhoades, R. D., . H. Ponce, S. B. Smith, A. D. Herring, L. O. Tedeschi, D. K. Lunt, D. T. Dean, **F. R. B. Ribeiro**, C. W. Choi, D. G. Riley, and J. E. Sawyer. 2009. Evaluation of Growth-Based Predictions of Carcass Fat and Marbling at Harvest using Ultrasound Measurements. *Prof. Anim. Sci.* 25:434-442

Lancaster, P. A., G. E. Carstens, **F. R. B. Ribeiro**, L. O. Tedeschi, and D. H. Crews. 2009. Characterization of Feed Efficiency Traits and Relationships with Feeding Behavior and Ultrasound Carcass Traits in Growing Bulls. *J. Anim. Sci.* 87:1528-1539.

Lancaster, P. A., G. E. Carstens, **F. R. B. Ribeiro**, M. E. Davis, J. G. Lyons, T. H. Welsh. 2008. Effects of divergent selection for serum IGF-I concentration on performance, feed efficiency and ultrasound carcass composition traits in Angus bulls and heifers. *J. Anim. Sci.* 86:2862-2871.

Ribeiro, F. R. B., L. O. Tedeschi, J. Stouffer, and G. E. Carstens. 2008. Technical note: A novel technique to assess internal body fat of cattle using real-time ultrasound. *J. Anim. Sci.* 86:763-767.

PROCEEDINGS PAPERS

Bourg, B. M., L. O. Tedeschi, A. D. Aguiar, **F. R. B. Ribeiro**, R. R. Gomez, J. Gehno, D. DeLaney, S. Moore. 2010. Using a mechanistic nutrition model to identify efficient beef cows under grazing conditions. In: Texas A&M Beef Cattle Short Course Proceedings, August 2-4, 2010, College Station, TX. pp. E18-E32.

Ribeiro, F. R. B., L. O. Tedeschi, J. Stouffer, and G. E. Carstens. 2009. The use of real-time ultrasound and carcass measurements to estimate total internal fat in beef cattle. In: Texas A&M Beef Cattle Short Course Proceedings, August 1-3, 2009, College Station, TX. pp. E11-E16.

Paulino, P. V. R., S. C. Valadares Filho, E. Detmann, M. A. Fonseca, K. A. Magalhães, M. I. Marcondes, **F. Ribeiro**. 2006. Consumo residual em gado de corte: uma estratégia para o aumento da eficiência produtiva. In: SIMPÓSIO NORDESTINO DE ALIMENTAÇÃO DE RUMINANTES, 10., 2006, Petrolina, Anais... Petrolina: Sociedade Nordestina de Produção, 2006. p.187-200.

THESIS

Ribeiro, F. R. B. 2009. The Relationship of Feed Efficiency with Performance, Ultrasound, Carcass, and Non-Carcass Traits in Beef Cattle. Ph.D. Dissertation. Texas A&M University, College Station, TX.

Ribeiro, F. R. B. 2005. The influence of age and weight on muscle, subcutaneous fat and intramuscular fat deposition in Angus-sired heifers. M.S. Thesis. Iowa State University, Ames, IA.

ABSTRACTS:

Ribeiro, F. R. B., J. A. Carter, C. A. Hughes, W. S. Ramsey, J. W. Savell, R. R. Riley, C. Sharpton, R.G. Tait, Jr. 2010. Accuracy of real-time ultrasound for body composition traits for evaluating carcass traits in medium wool crossbred lambs. *J. Anim. Sci.* Vol 88, Supp 2 pp. (*In press*)

- Carter, J. A., C. A. Hughes, K. N. Gates, **F. R. B. Ribeiro**. 2010. The relationship of real-time ultrasound body composition measurements, body weight and hip height with body condition score in mature Suffolk x Hampshire ewes. *J. Anim. Sci.* Vol 88, Supp 2 pp. (*In press*)
- Duff, A. M., J. A. Carter, C. A. Hughes, K. N. Gates, C.S. Ellason, S. Stewart, **F. R. B. Ribeiro**. 2010. The relationship of real-time ultrasound body composition measurements, body weight and hip height with body condition score in mature Boer crossbred does. *J. Anim. Sci.* Vol 88, Supp 2 pp. (*In press*)
- Hughes, C. A., J. A. Carter, Forbes, T. D. A., F. M. Rouquette, Jr., L. O. Tedeschi, R. D. Randel, **F.R.B. Ribeiro**. 2010. Use of real-time ultrasound (**RTU**) measurements and carcass traits to assess internal fat in residual feed intake (**RFI**)-indexed Brahman bulls under grazing conditions. *J. Anim. Sci.* Vol 88, Supp 2 pp. (*In press*)
- Forbes, T. D. A., F. M. Rouquette, Jr., L. O. Tedeschi, R. D. Randel, **F.R.B. Ribeiro**. 2010. A comparison of anatomical and compositional differences of residual feed intake (RFI)-indexed Brahman bulls under grazing conditions. *J. Anim. Sci.* Vol 88, Supp 2 pp. (*In press*)
- Carter, J. A., C. A. Hughes, L. O. Tedeschi, G. E. Cartens, R. K. Miller, S. B. Smith, R. D. Rhoades, B. M. Bourg, **F. R. B. Ribeiro**. 2010. The accuracy of real-time ultrasound to measure carcass traits in beef cattle prior to slaughter. Plains Nutrition Council Spring Conference Proceedings pp.100-101
- Ribeiro, F. R. B.**, L. O. Tedeschi, J. Stouffer, and G. E. Carstens. 2009. The use of real-time ultrasound and carcass measurements to estimate total internal fat in beef cattle. *J. Anim. Sci.* Vol 87, Supp 2 pp.478
- Ribeiro, F. R. B.**, R. D. Rhoades, L. O. Tedeschi, S. B. Smith, S. E. Martin, S. F. Crouse. 2009. Evaluating the application of dual x-ray absorptimetry (DEXA) to assess dissectible fat and muscle from the 9 to 11th rib section of beef cattle. *J. Anim. Sci.* Vol 87, Supp 2 pp. 55
- Ribeiro, F. R. B.**, R. K. Miller, E. G. Brown, P. A. Lancaster, L. O. Tedeschi, S. Moore and D. DeLaney and G. E. Carstens. 2008. Relationships between residual feed intake and carcass-quality traits in Santa Gertrudis steers. *J. Anim. Sci.* Vol 86, Supp 2 pp. 181
- Ribeiro, F. R. B.**, L. O. Tedeschi, J. Stouffer, and G. E. Carstens. 2008. A revised analysis to estimate total internal fat in beef cattle using live animal and carcass measurements. Plains Nutrition Council Spring Conference Proceedings pp. 127-128
- R. D. Rhoades, C. H. Ponce, **F. R. B. Ribeiro**, D. K. Lunt, S. B. Smith, and J. E. Sawyer. 2008. Effect of dietary energy source during backgrounding on in vitro substrate utilization and insulin sensitivity of adipose tissue of Angus steers. *J. Anim. Sci.* Vol 86, Supp 1, pp.26

C. H. Ponce, R. D. Rhoades, **F. R. Ribeiro**, D. K. Lunt, S. B. Smith, and J. E. Sawyer. 2008. Relationship between body fat deposition and postweaning growth in beef steers. J. Anim. Sci. Vol 86 , Supp 1, pp.25

Ribeiro, F. R. B., G. E. Carstens, P. A. Lancaster, L. O. Tedeschi, and M. E. Davis. 2007. Relationships between Feed Efficiency, Carcass and Ultrasound traits in Angus Beef Cattle Divergently Selected for Serum IGF-I Concentration. J. Anim. Sci. Vol 85, Supp 1, pp.550

Ribeiro, F. R. B., G. E. Carstens, P. A. Lancaster, L. O. Tedeschi, and M. E. Davis. 2007. Relationships of Feed Efficiency with Carcass and Non-Carcass tissue composition in Angus Bulls and Heifers. J. Anim. Sci. Vol 85, Supp 1, pp.455

Ribeiro, F. R. B., L. O. Tedeschi, J. Stouffer, and G. E. Carstens. 2007. A Novel Technique to Assess Internal Body Fat using Real-Time Ultrasound. J. Anim. Sci. Vol 85, Supp 1, pp.601

Ribeiro, F. R. B., G. E. Carstens, P. A. Lancaster, R. K. Miller, E. G. Brown. 2007. Relationships between temperament, carcass traits and tenderness in Santa Gertrudis steers. Proceedings 60th Reciprocal Meat Conference, pp.45

Ribeiro, F. R. B., G. E. Carstens, P. A. Lancaster, L. O. Tedeschi, and M. E. Davis. 2007. Relationships of Feed Efficiency with Carcass and Non-Carcass tissue composition in Angus Bulls and Heifers. Plains Nutrition Council Spring Conference Proceedings, pp.107-108

Ribeiro, F. R. B., G. E. Carstens, P. A. Lancaster, L. O. Tedeschi, and M. H. M. R. Fernandes. 2006. Evaluation of Feed Efficiency Traits in Growing Brahman Heifers and Relationship with Body Composition Ultrasound Traits and Feeding Behavior. J. Anim. Sci. Vol 84, Suppl 1, pp. 123.

Jones, D. I., F. R. C. Araujo, **F. R. B. Ribeiro**, M. J. Yokoo, A. C. Sanches, J. W. Oltjen, and R. D. Sainz. 2006. The effects of breed type and growing program on feedlot performance and fat gains in beef steers. J. Anim. Sci. Vol 84, Supp 2, pp. 149.

Ribeiro, F. R. B., G. E. Carstens, P. A. Lancaster, L. O. Tedeschi, and M. H. M. R. Fernandes. 2006. Evaluation of Feed Efficiency Traits and their Relationship with Carcass Ultrasound and Feeding Behavior Traits in Brahman Heifers. Plains Nutrition Council Spring Conference Proceedings, pp. 127-128.

RESEARCH REPORTS:

J. A. Carter, **F. R. B. Ribeiro**, C. A. Hughes, L. O. Tedeschi, G. E. Cartens, R. K. Miller, S. B. Smith, R. D. Rhoades, and B. M. Bourg. 2010. The accuracy of real-time ultrasound to measure carcass traits in beef cattle prior to slaughter. Beef Cattle Research in Texas. (*In press*)

- K. N. Gates, **F. R. B. Ribeiro**, J. A. Carter, C. A. Hughes, S. Stewart, and R.G. Tait, Jr. 2010. The relationship of bodycondition score and subcutaneous and internal fat measurements by real-time ultrasound in crossbred beef cows. *Beef Cattle Research in Texas. (In press)*
- Hughes, C. A, **F. R. B. Ribeiro**, J. A. Carter, T. D. A. Forbes, F. M., Rouquette, Jr., L. O. Tedeschi, and R. D. Randel. 2010. Use of real-time ultrasound (RTU) measurements and carcass traits to assess internal fat in residual feed intake (RFI)-indexed Brahman bulls. *Beef Cattle Research in Texas. (In press)*
- Ribeiro, F. R. B.**, L. O. Tedeschi, J. Stouffer, and G. E. Carstens. 2009. The use of real-time ultrasound and carcass measurements to estimate total internal fat in beef cattle. *Beef Cattle Research in Texas. (In press)*
- Ribeiro, F. R. B.**, R. D. Rhoades, L. O. Tedeschi, S. B. Smith, S. E. Martin, S. F. Crouse. 2009. Evaluating the application of dual x-ray absorptimetry (DEXA) to assess dissectible fat and muscle from the 9 to 11th rib section of beef cattle. *Beef Cattle Research in Texas. (In press)*
- Ribeiro, F. R. B.**, R. K. Miller, E. G. Brown, P. A. Lancaster, L. O. Tedeschi, S. Moore and D. DeLaney and G. E. Carstens. 2009. Relationships between residual feed intake and carcass-quality traits in Santa Gertrudis steers. *Beef Cattle Research in Texas. (In press)*
- Bourg, B. M., L.O. Tedeschi, A.D. Aguiar, **F.R.B. Ribeiro**, R. R. Gomez, J. Genho, D. DeLaney, S. Moore. 2009. Using a mechanistic nutrition model to identify efficient beef cows under grazing conditions. *Beef Cattle Research of Texas. (In press)*
- Ribeiro, F. R. B.**, L. O. Tedeschi, J. Stouffer, and G. E. Carstens. 2007. A Novel technique to assess internal body fat of cattle using real-time ultrasound. *Beef Cattle Research in Texas, pp.37*
- Ribeiro, F. R. B.**, G. E. Carstens, P. A. Lancaster, L. O. Tedeschi, and M. E. Davis. 2007. Relationship of feed efficiency with carcass and non-carcass tissue composition in Angus bulls and heifers. *Beef Cattle Research in Texas, pp. 121*
- Ribeiro, F. R. B.**, G. E. Carstens, P. A. Lancaster, L. O. Tedeschi, and M. H. M. R. Fernandes. 2006. Evaluation of Feed Efficiency Traits and their Relationship with Carcass Ultrasound and Feeding Behavior Traits in Brahman Heifers. *Beef Cattle Research in Texas, pp. 91*
- Ribeiro, F.**, J. R. Tait, Jr., G. Rouse, D. Wilson, D. Busby. 2006. A Comparison of Regular Fed vs. Long Fed Angus-Sired Heifers for Growth and Body Composition Traits. Iowa State University Animal Science Leaflet R2071.
- Ribeiro, F.**, J. R. Tait, Jr., G. Rouse, D. Wilson, A. Hassen, D. Maxwell, and R. Berryman. 2006. The Accuracy of Real-Time Ultrasound Measurements for Body Composition Traits with Carcass Traits in Feedlot Heifers. Iowa State University Animal Science Leaflet R2072.

POSTER PRESENTATIONS:

Ribeiro, F. R. B., G. E. Carstens, P. A. Lancaster, L. O. Tedeschi, and M. E. Davis. 2007. Relationships of Feed Efficiency with Carcass and Non-Carcass tissue composition in Angus Bulls and Heifers. Plains Nutrition Council Spring Conference, San Antonio, TX.

Ribeiro, F. R. B., G. E. Carstens, P. A. Lancaster, L. O. Tedeschi, and M. H. M. R. Fernandes. 2006. Evaluation of Feed Efficiency Traits and their Relationship with Carcass Ultrasound and Feeding Behavior Traits in Brahman Heifers. Plains Nutrition Council Spring Conference, San Antonio, TX.

P. A. Lancaster, **F. R. B. Ribeiro** and G. E. Carstens. 2006. Evaluation of Feed Efficiency Traits in Growing Bulls and Relationships with Feeding Behavior and Ultrasound Carcass Traits. Texas A&M University College of Agriculture Grad. Student Poster Competition.

MAGAZINES ARTICLES:

Flavio Ribeiro. 2010. Residual feed intake and feed efficiency in beef cattle. Casa Branca press. March edition. pp 8-11

Flavio Ribeiro. 2004. Avança a precisão do ultra-som na mensuração da DEP's de carcaça (Advances of precision on ultrasound measurements for carcass EPD's) . Revista DBO edição especial Genética, August, pp 74-75.

Flavio Ribeiro. 2003. Diferenças e semelhanças na maciez da carne entre os genótipos *Bos indicus* e *Bos taurus* (Genetic Comparisons of Beef Tenderness among *Bos indicus* and *Bos taurus* Genotypes). Revista ABCZ 17^o edição, November pp. 50-53.

STUDENTS PRESENTATIONS

Carter, J. A., C. A. Hughes, L. O. Tedeschi, G. E. Cartens, R. K. Miller, S. B. Smith, R. D. Rhoades, B. M. Bourg, **F. R. B. Ribeiro.** 2010. The accuracy of real-time ultrasound to measure carcass traits in beef cattle prior to slaughter. Plains Nutrition Council Spring Conference, April 21-22, 2010.

Hughes, C. A., J. A. Carter, Forbes, T. D. A., F. M. Rouquette, Jr., L. O. Tedeschi, R. D. Randel, **F.R.B. Ribeiro.** 2010. Use of real-time ultrasound (**RTU**) measurements and carcass traits to assess internal fat in residual feed intake (**RFI**)-indexed Brahman bulls under grazing conditions. Oral presentation at the 2010 Texas A&M University-Commerce Research Symposium, April 21-22, 2010.

Carter, J. A., C. A. Hughes, K. N. Gates, **F. R. B. Ribeiro.** 2010. The relationship of real-time ultrasound body composition measurements, body weight and hip height with body condition score in mature Suffolk x Hampshire ewes. Oral presentation at the 2010 Texas A&M University-Commerce Research Symposium, April 1, 2010. 2nd place in graduate student oral presentation competition

Duff, A. M., J. A. Carter, C. A. Hughes, K. N. Gates, C.S. Ellason, S. Stewart, **F. R. B. Ribeiro**. 2010. The relationship of real-time ultrasound body composition measurements, body weight and hip height with body condition score in mature Boer crossbred does. Oral presentation at the 2010 Texas A&M University-Commerce Research Symposium, April 1, 2010. 2nd place in undergraduate student oral presentation competition

Hughes, C. A., J. A. Carter, Forbes, T. D. A., F. M. Rouquette, Jr., L. O. Tedeschi, R. D. Randel, **F.R.B. Ribeiro**. 2010. Use of real-time ultrasound (**RTU**) measurements and carcass traits to assess internal fat in residual feed intake (**RFI**)-indexed Brahman bulls under grazing conditions. Oral presentation at the 2010 Texas A&M University-Commerce Research Symposium, April 1, 2010.

INVITED PRESENTATIONS and GUEST LECTURES:

GUEST LECTURES AT UNIVERSITIES

Brazilian Barbecue presented for UPAS 181 Texas Barbecue, a Freshman seminar class at Texas A&M University. November 2009.

The Use of Real-Time Ultrasound in Beef Cattle presented for Beef Cattle Systems Management class at ISU. April 2005.

The Brazilian Beef Cattle Industry presented for Beef Cattle Systems Management class at ISU. April 2005.

The Use of Real-Time Ultrasound in Beef Cattle presented for Beef Cattle Systems Management class at ISU. September 2004.

Practical Lab on the Use of Real-Time Ultrasound in Beef Cattle, collection of images and comparison with students evaluation to place cattle in different grids or feeding strategies. Lab given for Beef Cattle Systems Management class at ISU. September 2004.

The Brazilian Beef Cattle Industry presented for Beef Cattle Systems Management class at ISU. October 2004.

The Use of Ultrasound in Beef Cattle for Body Composition, Genetic Comparisons of Beef Tenderness among *Bos indicus* and *Bos taurus* Genotypes and Advances on Food Safety in Beef Cattle Packing Plants: The VerifEYEtm Carcass Inspection Sytem presented for Animal Breeding undergraduate class at Faculdade de Agronomia e Zootecnia de Uberaba, Brazil. August 2004.

The Use of Ultrasound in Beef Cattle for Body Composition and Genetic Comparisons of Beef Tenderness among *Bos indicus* and *Bos taurus* Genotypes presented Animal Breeding undergraduate class at Faculdade de Agronomia e Zootecnia de Uberaba, Brazil. August 2003.

INVITED PRESENTATIONS

Respiratory disease and its impact in performance, carcass, and meat quality in beef cattle.
Cattlemen's Field Day in Sulphur Springs, TX, June 21, 2010.

The use of real-time ultrasound in beef cattle at Professional Agricultural Workers of Hopkins County meeting in Sulphur Springs, TX, February 4, 2010.

The use of real-time ultrasound and carcass measurements to estimate total internal fat in beef cattle at Texas A&M Beef Cattle Short Course, August 1, 2009, College Station, TX

The use of real-time ultrasound to measure body composition in beef cattle presented for Solution Genetic cattle show camp in Marrietta, OK, July 26, 2009

The Brazilian Agriculture presented for Beginners Farmer Network (a student association at ISU). April 2004.

GRANTS AWARDED:

- Deans office travel award for 2010 Animal Science meeting in Montreal, Canada- \$700.00
- Graduate Studies Mini-Grant Proposal 2010 Awarded for the project titled: *Impact of Body Composition in Reproductive Performance and Offspring Performance in Cross-bred Beef Cows* - \$600.00
- Deans office travel award for 2009 Animal Science meeting in Montreal, Canada- \$700.00
- Office of graduate studies travel assistance for 2009 Animal Science meeting in Montreal, Canada- \$300.00

PROFESSIONAL DEVELOPMENT:

Texas and Southwestern Cattle Raisers Association Convention, Fort Worth, TX, March 19-21, 2010

Hopkins County Extension Office Fall Beef Cattle Workshop, Sulphur Springs, TX, November 10, 2009

Beef 706, Texas A&M University, College Station, TX, August 13-14, 2009

Texas Cow-Calf and Stocker Beef Safety and Quality Assurance Training. Texas A&M University-Commerce, Commerce, TX, July 21, 2001

Texas A&M University Forage and Beef Workers Workshop, 2009

American Society of Animal Science Meetings, 2006 to 2010

American Meat Science Association 60th Reciprocal Meat Conference, Brookings, SD 2007

National Cattlemen Beef Association, 2007, 2008 and 2010

Plains Nutrition Council Spring Conference, San Antonio, TX 2006 to 2010

Texas A&M Beef Cattle Short Course, College Station, TX 2006 to 2010

Beef Improvement Federation Meetings, 2004

Midwest Section Meetings of American Society of Animal Science, Des Moines, IA 2004 and 2005

12° Seminário Nacional de Criadores e Pesquisadores, 5 e 6 de agosto. Associação Nacional de Criadores e Pesquisadores, Ribeirão Preto, SP., 2003

Zebu Breeds Judging Course. Associação Brasileira de Criadores de Zebu, Uberaba, MG, Brazil 1997, 2001

Fourth Brazilian Congress of Zebu Breeds. Associação Brasileira de Criadores de gado Zebu, Uberaba, MG, Brazil 2000

Financial Management in the Cattle Business. Faculdade de Agronomia e Zootecnia de Uberaba, Uberaba, MG, Brazil 1999

MEMBERSHIPS IN ACADEMIC AND PROFESSIONAL SOCIETIES

Alpha Gamma Rho, 2009 to present

Plains Nutrition Council, 2009 to present

Equine Science Society (ESS), 2009 to present

American Quarter Horse Association (AQHA), 2008 to present

National Cattlemen's Beef Association (NCBA), 2008 to present

Texas and Southwestern Cattle Raiser's Association, 2008 to present

American Registry of Professional Animal Scientists (ARPAS), 2006 to present

American Society of Animal Science (ASAS), 2003 to present

American Meat Science association, 2005 to present

Animal Science Graduate Student Association, Texas A&M University, College Station, TX, 2005 to 2008

Ultrasound Guidelines Council (UGC), 2003 to present

Associação Brasileira dos Criadores de Gado Zebu (ABCZ), 1992 to present