

## VITA – Michael Galyean

**Address:** Office of the Provost Telephone - (806) 834-8819  
Box 42019 Fax - (806) 742-1311  
Texas Tech University E-mail – michael.galyean@ttu.edu  
Lubbock, TX 79409-2019

**Education:** B.S. in Agric., New Mexico State University – 1973; M.S. in Animal Science, Oklahoma State University – 1975; Ph.D. in Animal Nutrition, Oklahoma State University – 1977.

**Present Position:** Provost and Senior Vice President for Academic Affairs (April 2017 to present), Paul Whitfield Horn Professor (2006 to present), and Thornton Distinguished Chair, Department of Animal and Food Sciences (1998 to present), Texas Tech University.

**Job Duties:** College administration. Beef cattle nutrition and management research.

**Other University Duties:** Chair, Texas Tech University Animal Care and Use Committee (2002 to 2006).

**Previous Positions:** Assistant Professor, Associate Professor, and Professor in the Dept. of Animal and Range Sci., Las Cruces, NM (1977 to 1990). Professor and Superintendent of the New Mexico State University Clayton Livestock Research Center (1990 to 1996). Professor of Animal Science – West Texas A&M University, Canyon, and Texas Agric. Exp. Stn., Amarillo (1996 to 1997). Dean, College of Agricultural Sciences and Natural Resources, Texas Tech University (April 2012 to August 2016). Interim Provost and Senior Vice President for Academic Affairs, Texas Tech University (August 2016 to April 2017).

**Research Awards:** Young Scientist Award, Western Section, American Society of Animal Science (1988). Distinguished Research Award, College of Agriculture and Home Economics, New Mexico State University (1989). American Feed Industry Association Ruminant Nutrition Research Award, American Society of Animal Science (1999). Advanced Degree Graduate of Distinction Award, Dept. of Anim. Sci., Oklahoma State University (2002). College of Agricultural Sciences and Natural Resources Outstanding Researcher Award, Texas Tech University (2004 and 2005). President's Academic Achievement Award, Texas Tech University (2005). Appointed Paul Whitfield Horn Professor, Texas Tech University (2006). Animal Management Award, American Society of Animal Science (2006). College of Agricultural Sciences and Natural Resources Service and Outreach Award, Texas Tech University (2007). Fellow, American Society of Animal Science (2010). Morrison Award, American Society of Animal Science (2012). FASS-AFIA New Frontiers in Animal Nutrition Award (2013). FASS-AFIA New Frontiers in Animal Nutrition Award, Federation of Animal Science Societies (2013). Awarded membership in the American College of Animal Sciences (ACAS) in the discipline area of Animal Nutrition (2014). Bartley Memorial Lecturer, Dept. of Anim. Sci. and Industry, Kansas State University (2016). Distinguished Service Award, Western Section of the American Society of Animal Science (2016). Totusek Lecturer, Dept. of Anim. Sci., Oklahoma State University (2017).

**Graduate Student Supervision:** 29 M.S. students, 33 Ph.D. students, and 9 postdoctoral research associates.

**Publications:** 253 peer-reviewed journal articles, 59 invited papers and book chapters, 84 published proceedings, reports, and experiment station articles, 72 published progress reports, and 202 published abstracts. According to Science Citation Index, Web of Science, published works have been cited 4,608 times as of July 2015.

**Grants, Contracts, and Research Support:** Total awards (investigator's portion only) of \$2,657,356. Agricultural Experiment Station funds (New Mexico), state line-item funds (West Texas A&M), and endowment funds (Texas Tech University) of approximately \$3,400,000 (non-salary funds only).

**Editorial and Professional Service:** President-Elect (2012 to 2013), President (2013 to 2014), and Past-President (2014 to 2015), American Registry of Professional Animal Scientists. Member, Coordinating Committee, National Animal Nutrition Program (NRSP-9; 2012 to present). President-Elect, (2006 to 2007), President (2007 to 2008), and Past-President (2008 to 2009), American Society of Animal Science. Editor-in-Chief, *Journal of Animal Science* (2002 to 2005). Section Editor, Ruminant Nutrition (Pasture and Forage Utilization) *Journal of Animal Science* (1991 to 1993). Member, Editorial Board for the *Journal of Animal Science* (three, 3-yr terms during the period from 1980 to 2002). Service as the President of the Western Section of the American Society of Animal Science (1995 to 1996). Member of the Board of Directors of the American Society of Animal Science (1995 to 1996; 2002 to 2005). Secretary, American Registry of Professional Animal Scientists (1996 to 1999). Committee Chair, National Academy of Sciences, Engineering, and Medicine, Nutrient Requirements of Beef Cattle (2013 to 2016). Member, National Research Council, Committee on Animal Nutrition, Subcommittee on Beef Cattle Nutrition (1992 to 1997). Member, National Research Council, Committee on Animal Nutrition (1997 to 2000).

**Organizations:** American Society of Animal Science, American Registry of Professional Animal Scientists, American College of Animal Sciences, American Dairy Science Association, American Society for Nutrition.

#### **Recent Journal Article Publications:**

Galyean, M. L. 2018. What I have heard – Conference summary and thoughts for the future. *Trans. Anim. Sci.* (In Press).

Kholif, A. E., G. A. Gouda, M. L. Galyean, U. Y. Anele, and T. A. Morsy. 2018. Extract of *Moringa oleifera* leaves increases milk production and enhances milk fatty acid profile of Nubian goats. *Agroforest. Syst.* (Accepted).

Ovinge, L. A., J. O. Sarturi, M. L. Galyean, M. A. Ballou, S. J. Trojan, P. R. B. Campanili, A. A. Alrumaih, and L. A. Pellarin. 2018. Effects of a live yeast in natural-program finishing feedlot diets on growth performance, digestibility, carcass characteristics, and feeding behavior. *J. Anim. Sci.* 96:684.

- Kholif, A. E., G. A. Gouda, U. Y. Anele, and M. L. Galyean. 2017. Extract of *Moringa oleifera* leaves improves feed utilization of lactating Nubian goats. *Small Rumin. Res.* 158:69.
- Tabke, M. C., J. O. Sarturi, M. L. Galyean, S. J. Trojan, J. C. Brooks, B. J. Johnson, J. Martin, J. Baggerman, and A. J. Thompson. 2017. Effects of tannic acid on growth performance, carcass characteristics, digestibility, nitrogen volatilization, and meat lipid oxidation of steers fed steam-flaked corn-based finishing diets. *J. Anim. Sci.* 95:5124.
- Tedeschi, L. O., M. L. Galyean, and K. E. Hales. 2017. Recent advances in estimating protein and energy requirements of ruminants. *Anim. Prod. Sci.* 57:2237.
- Kholif, A. E., T. A. Morsy, A. M. Abd El Tawab, U. Y. Anele, and M. L. Galyean. 2016. Effect of supplementing diets of Anglo-Nubian goats with soybean and flaxseed oils on lactational performance. *J. Agric. Food Chem.* 64:6163.
- Ponce, C. H., J. S. Schutz, D. R. Smith, and M. L. Galyean. 2016. Effects of wet distillers grains with solubles in diets based on steam-flaked corn containing moderate or high roughage levels on nutrient digestibility in feedlot cattle and in vitro fermentation. *Prof. Anim. Sci.* 32:580.
- Galyean, M. L., and S. A. Gunter. 2016. Predicting forage intake in extensive grazing systems. *J. Anim. Sci.* 94(Suppl. 6):26.
- Kholif, A. E., T. A. Morsy, G. A. Gouda, U. Y. Anele, and M. L. Galyean. 2016. Effect of feeding diets with processed *Moringa oleifera* meal as protein source in lactating Anglo-Nubian goats. *Anim. Feed Sci. Technol.* 217:45.
- Samuelson, K. L., M. E. Hubbert, M. L. Galyean, and C. A. Loest. 2016. Nutritional recommendations of feedlot consulting nutritionists: The 2015 New Mexico State and Texas Tech University survey. *J. Anim. Sci.* 94:2648.
- Galyean, M. L., N. A. Cole, L. O. Tedeschi, and M. E. Branine. 2015. BOARD-INVITED REVIEW: Efficiency of converting digestible energy to metabolizable energy and re-evaluation of the California Net Energy System maintenance requirements and equations for predicting dietary net energy values for beef cattle. *J. Anim. Sci.* 94:1329.
- Opheim, T. L., P. B. Campanili, B. M. Lemos, L. A. Ovinge, J. O. Baggerman, K. C. McCuiston, M. L. Galyean, J. O. Sarturi, and S. J. Trojan. 2015. Biofuel feedstock and blended coproducts compared with de-oiled corn distillers grains in feedlot diets: Effects on cattle growth performance, apparent total tract nutrient digestibility, and carcass characteristics. *J. Anim. Sci.* 94:227.
- Anele, U. Y., M. -L. Swift, T. A. McAllister, M. L. Galyean, and W. Z. Yang. 2015. Evaluation of in vitro models for predicting acidosis risk of barley grain in finishing beef cattle. *J. Anim. Sci.* 93:4852.

- Bunting, L. D., and M. L. Galyean. 2015. Customer/consumer confidence in the livestock industry – professional ethics. *Prof. Anim. Sci.* 31:309.
- Zilverberg, C. J., C. P. Brown, P. Green, M. L. Galyean, and V. G. Allen. 2015. Forage performance in crop-livestock systems designed to reduce water withdrawals from a declining aquifer. *Rangelands* 37:55.
- Galyean, M. L. and L. O. Tedeschi. 2014. Predicting microbial protein synthesis in beef cattle: Relationship to intakes of total digestible nutrients and crude protein. *J. Anim. Sci.* 92:5099.
- Galyean, M. L., and M. E. Hubbert. 2014. Review: Traditional and alternative sources of fiber – Roughage values, effectiveness, and concentrations in starting and finishing diets. *Prof. Anim. Sci.* 30:571.
- Zanolini, B., A. M. Oberbauer, S. D. Prien, M. L. Galyean, and S. P. Jackson. 2014. Effects of sex, breed, Callipyge phenotype, and docked tail length on rectal prolapse in lambs. *Sheep and Goat Res. J.* 29:5.
- Schmidt, D. A., M. L. Schlegel, and M. L. Galyean. 2014. Fiber digestibility in royal antelope (*Neotragus pygmaeus*). *J. Zoo Wildlife Med.* 45-744.
- Anele, U. Y., E. M. Dombay, and M. L. Galyean. 2014. Predicting dry matter intake by growing and finishing beef cattle: Evaluation of current methods and equation development. *J. Anim. Sci.* 92:2660.
- Zilverberg, C. J., C. P. Brown, P. Green, M. L. Galyean, and V. G. Allen. 2014. Integrated crop-livestock systems in the Texas High Plains: Productivity and water use. *Agron J.* 106:831.