

**Dr. Guillermo Scaglia**  
**Professor**

Louisiana State University Agricultural Center, Iberia Research Station  
Louisiana State University Agricultural Center, Dean Lee Research and Extension Center  
ORCID iD <https://orcid.org/0000-0001-7902-2111>

**A. EDUCATION**

Bachelor of Science, 1989. Crops and Livestock Production. Facultad de Agronomía, Universidad de la República. Montevideo, Uruguay.

M.S., 1994. Animal Science. Texas A&M University, College Station, Texas.

Ph.D., 2002. Nutrition. Texas A&M University, College Station, Texas.

**B. PROFESSIONAL EXPERIENCE**

July 1989 to July 1992. Auxiliary Researcher, Instituto Nacional de Investigaciones Agropecuarias (National Institute of Agricultural Research), INIA, Tacuarembó, Uruguay, investigating crossbreeding systems between Hereford and Brahman for adaptation to Northern Uruguay and supplementation of beef cattle on natural and oversown pastures.

January 1995 to July 1999. Assistant Researcher, Instituto Nacional de Investigaciones Agropecuarias (National Institute of Agricultural Research), INIA, Treinta y Tres, Uruguay, investigating stocker and finishing systems for beef cattle on forage fed diets, cow-calf systems for the east region of Uruguay (evaluation of natural grasslands and improved [sown and oversown] pastures), supplementation of beef cattle and sheep using by-products of the rice industry, and forage systems for finishing “light” and “heavy” lambs for national and international markets.

August 2002 to December 2003. Postdoctoral Research Associate, Department of Animal and Poultry Sciences, Virginia Polytechnic Institute and State University, Blacksburg, Virginia. Main areas of study included the evaluation of forage systems for cow-calf pairs, backgrounding systems for beef calves, and use of alkanes as markers to determine dry matter intake and digestibility of forages.

January 2004 to November 2007. Assistant Professor, Department of Animal and Poultry Sciences, Virginia Polytechnic Institute and State University, Blacksburg, Virginia, investigating on forage-fed production systems for beef cattle in the Appalachia region (from production to consumer evaluation), effects of endophyte infected tall fescue on beef cattle, evaluation on endophyte free and nil-ergot alkaloid producing tall fescue types under grazing, backgrounding systems for beef calves, and grazing behavior of cattle on monocultures and mixed swards.

December 2007 to June 2010. Assistant Professor, Louisiana State University Agricultural Center, Iberia Research Station, Jeanerette. Emphasis of my research programs was on investigating the efficient use of forage resources by beef cattle grazing in the Gulf Coastal

Region of Louisiana. This included forage systems for finishing steers on a 100% forage-based diet, grazing behavior, and supplementation of beef cattle on forages.

July 2010 to June 2016. Associate Professor, Louisiana State University Agricultural Center, Iberia Research Station, Jeanerette, investigating the efficient use of grazing lands by different classes of beef cattle. Areas of work include forage systems for finishing steers on a 100% forage-based diet, grazing behavior of stockers grazing different forages, use of hay to reduce the area of cool-season forages needed for stocker steers and impact on their performance and blood metabolites, evaluation of annual summer forages to improve plane of nutrition on stocker heifers, and determination of appropriate stocking rate on tetraploid ryegrass with or without supplementation of grazing stockers. In 2014, I started the evaluation of low and high management cow-calf systems. It is a long-term multidisciplinary project where research and extension personnel will work together to better serve our clientele. This type of work has been successful in demonstrating management techniques and presenting specific research-proven practices in a system-oriented environment. Building on the previous research on forage-fed beef production, in 2015, I started the evaluation of different breed types for this purpose and their effects on production, carcass characteristics and economics. I have also participated and graduated from three leadership programs.

July 2016 to July 2018. Professor, Louisiana State University Agricultural Center, Iberia Research Station, Jeanerette, continuing with the evaluation of different breed types for forage-fed beef production and their effects on production, carcass characteristics and economics. This project will continue until 2021. I evaluated different annual ryegrass cultivars (tetraploids and diploids) for persistence under grazing conditions. Similarly, the use of clovers as a source of nitrogen (replacing chemical fertilizer) for winter mixed pastures and/or as a residual effect of the fixed nitrogen on reducing the use of fertilizer on bermudagrass production. The evaluation of low and high management cow-calf systems was also completed. So far, this project has provided valuable information for producers in terms of the production and economics of these systems.

August 2018 to present. Professor, Louisiana State University Agricultural Center (Iberia Research Station and Dean Lee Research and Extension Center), Full member (Graduate School) of the School of Plant, Environment and Soil Sciences at LSU, Research Coordinator for the Iberia Research Station, and Assistant to the LSU AgCenter's Animal and Natural Resources (ANR) Program Leader and statewide ANR programs. My role at the Iberia Research Station is to supervise civil service personnel, coordinate their weekly activities, planning of the research activities for beef cattle and crops, and coordinate the sales and budget for the station. At a statewide level, I assist the ANR program leader by supporting research and extension programs related to plant and animal sciences and collaborate with other LSU AgCenter administrators, state and federal agencies, commodity boards, and professional associations. This has given me a broad experience in understanding the wide range and diversity of needs and claims of crops, livestock, and seafood producers.

In terms of the research, at the Iberia Research Station, I am evaluating the form of providing (block or mix) two ionophores (Rumensin and Bovatec) to stocker cattle grazing annual ryegrass. At the Dean Lee Research and Extension Center, I am the PI of a recently funded NIFA grant that will evaluate cow-calf systems. I am evaluating different annual ryegrass cultivars for

stocker steers under grazing conditions. I am also evaluating how supplementation of *Bos indicus* influenced cows in mid- and late gestation affect their performance, blood hormones and metabolites, and long-time productivity of the progeny: steers throughout the stocker and finishing phases and carcass characteristics; heifers through their productivity in the herd.

## C. RESEARCH AND CREATIVE ACTIVITY (100% appointment)

### 1. Listing of research publications [Published Items Only]

#### Refereed Journal Articles

**\*Denotes work conducted by graduate student working under Dr. Scaglia's supervision**

- 61) Meng, Y., Wang, J. J., Wei, Z., Dodla, S., Fultz, L., Gaston, L., Xiao, R., Park, J. H., and **Scaglia, G.** 2021. Nitrification inhibitors reduce nitrogen losses and improve soil health in a subtropical pastureland. *Geoderma*. Volume 388, 15 April, 114947. <https://doi.org/10.1016/j.geoderma.2021.114947>
- 60) **Scaglia, G.** 2021. Performance of beef steers continuously stocked on different annual ryegrass cultivars. *Appl. Anim. Sci.* 37:186-198. <https://doi.org/10.15232/aas.2020-02119>
- 59) Woli, P., M. Rouquette, F. M., Long, C. R., Tedeschi, L. O., and **Scaglia, G.** 2020. Modification of the summative equation to estimate daily total digestible nutrients for bermudagrass pasture. *J. Anim. Sci.* Vol. 98, No. 11, 1–9. <https://doi.org/10.1093/jas/skaa354>
- 58) **Scaglia, G.** 2020. Effects of stocking rate on performance of beef steers grazing Nelson annual ryegrass in the deep South. *Appl. Anim. Sci.* 36:857–867. <https://doi.org/10.15232/aas.2020-02036>
- 57) **Scaglia, G.** 2020. Effect of timing of urea application or red clover incorporation on forage and animal production. *J. Sust. Agric.* Vol. 9(3): 1-8. <https://doi.org/10.5539/sar.v9n3p1>
- 56) **Scaglia, G.** 2020. Supplementation of growing beef heifers with starch or highly digestible fiber supplements. *J. Agric. Sci.* Vol. 12(4):14-25. <https://doi.org/10.5539/jas.v12n4p14>
- 55) Sitienei, I., Gillespie, J. M., and **Scaglia, G.** 2019. Forage management practices used in production of US grass-fed beef. *Appl. Anim. Sci.* 35:535–542. <https://doi.org/10.15232/aas.2019-01890>
- 54) Sitienei, I., Gillespie, J. M., and **Scaglia, G.** 2019. U.S. Grass-fed beef producers: Goal structure and reasons for enterprise selection. *J. Agric. Appl. Econ.* 1–18. DOI: <https://doi.org/10.1017/aae.2019.36>
- 53) Sitienei, I., Gillespie, J. M., Harrison, R. W., and **Scaglia, G.** 2019. Estimating preference heterogeneity for Grass-fed beef cattle traits. *Agric. Res. Econ. Rev.* 1–25. DOI: <https://doi.org/10.1017/age.2019.14>

- 52) **Scaglia, G.** 2019. Stocking rate and energy supplementation effects on replacement beef heifers grazing annual ryegrass. *J. Agric. Sci.* Vol. 11(3):1-13. DOI:10.5539/jas.v11n3p1
- 51) Sitienei, I., **Scaglia, G.**, and Gillespie, J. M. 2018. Adoption of management practices and breed types by U.S. grass-fed beef producers. *Prof. Anim. Sci.* Vol. 34, Issue 6:571–580. <https://doi.org/10.15232/pas.2018-01711>
- 50) Carabante, K., Ardoin, R., **Scaglia, G.**, Malekian, F., Khachatryan, M., Janes, M., and Prinyawiwatkul, W. 2018. Consumer acceptance, emotional response and purchase intent of rib-eye steaks from grass-fed steers, and effects of health benefit information on consumer perception. *J. Food Sci.* Vol. 83(10):2560-2570. doi: 10.1111/1750-3841.14324
- 49) Qushim, B., Gillespie, J. M., Bhandari, B. D., and **Scaglia, G.** 2018. Technical and scale efficiencies of US grass-fed beef production: Whole-farm and enterprise analyses. *J. Agric. Appl. Econ.* Vol.50 (3):408-428. doi.org/10.1017/aae.2018.7
- 48) **Scaglia, G.**, Beck, P., Lalman, D., and Rouquette Jr., F. M. 2017. Invited Review: Issues affecting research and extension programs on cow-calf and stocker cattle production in the Southeast region of the United States. *Prof. Anim. Sci.* 33:310-319.
- 47) Bhandari, B., Gillespie, J. M., and **Scaglia, G.** 2017. Labor use and profitability associated with pasture systems in grass-fed beef production. *Sust. Agric. Res.* Vol.6 (1):51-61.
- 46) **Scaglia, G.**, Williams, C. C., and Dolejsi, A. H. 2016. Alternating low quality hay with access to annual ryegrass pastures affected stocker performance. *Prof. Anim. Sci.* 32:816–826.
- 45) Gillespie, J. M., Sitienei, I., Bhandari, B., and **Scaglia, G.** 2016. Grass-fed beef: How is it marketed by US producers? *Int. Food Agri. Manage. Rev.* 19 (2): 171-188.
- 44) **Scaglia, G.** 2016. Effect of summer annual forage and type of shade on grazing behavior of beef stocker heifers. *J. Agric. Sci.* 8(10):15-25.
- 43) Torrico, D., Wardy, W., Pujols, K., Carabante, K., Jirangrat, W., **Scaglia, G.**, Janes, M., and Prinyawiwatkul, W. 2015. Cross-cultural consumer acceptability and purchase intent of forage-finished rib-eye steaks. *J. Food. Sci.* 80(10): S2287-S2295.
- 42) Sitienei, I., Gillespie, J. M., and **Scaglia, G.** 2015. Producer perceptions of the importance of challenges currently facing the United States grass-fed beef industry. *Prof. Anim. Sci.* 31:315-323.
- 41) Bhandari, B. D., Gillespie, J. M., **Scaglia, G.**, Wang, J. J., and Salassi, M. 2015. Analysis of pasture systems to maximize the profitability and sustainability of grass-fed beef production. *J. Agric. Appl. Econ.* 47, 2:193-212.
- 40) Pitman, W. D., Walker, R. S., **Scaglia, G.**, Buckley, B., Alison, M. W., Han, K. J., Gurie, J., and Gentry, G. 2015. Summer legumes for creep-grazing in cow-calf production on bermudagrass pastures. *J. Agric. Sci.* 7, 8:8-17.

- 39) **Scaglia, G.**, Rodriguez, J., Gillespie, J., Bhandari, B., Wang, J. J., and McMillin, K. W. 2014. Year-round forage systems for forage-fed beef production in the Gulf Coast. *J. Anim. Sci.* 92:5704-5715.
- 38) Torrico, D. D., Jirangrat, W., **Scaglia, G.**, Malekian, F., Janes, M. E., McMillin, K. W., and Prinyawiwatkul, W. 2014. Proximate and fatty acid compositions and sensory acceptability of Hispanic consumers towards rib-eye steaks from forage-finished steers. *Int. J. Food Sci. and Technol.*: 49, 1788-1798.
- 37) Lucas, A. S., Swecker, W. S., Lindsay, D. S., **Scaglia, G.**, Neel, J. P. S., Elvinger, F. C., and Zajac, A. M. 2014. A study of the level and dynamics of *Eimeria* populations in naturally infected, grazing beef cattle at various stages of production in the Mid-Atlantic USA. *Vet. Parasitol.* Vol. 202, issue 3-4, 201-206.
- 36) **Scaglia, G.**, and Boland, H. T. 2014. Spatial arrangement of forages affects grazing behavior of beef heifers continuously stocked at low stocking rate. *Crop Sci.* 54:1227-1237.
- 35) Wyatt, W. E., Collier, R. J., Blouin, D. C., and **Scaglia, G.** 2014. Growth and reproductive performances in F1 crossbred heifers from Hereford, Braford, and Bonsmara sires and Angus and Brangus dams. *Prof. Anim. Sci.* 30:342-353.
- 34) **Scaglia, G.**, and Boland, H. T. 2014. The effect of bermudagrass hybrid on forage characteristics, animal performance, and grazing behavior of beef steers. *J. Anim. Sci.* 92:1228-1238.
- 33) Wyatt, W. E., Collier, R. J., Blouin, D. C., **Scaglia, G.**, and Collier, J. L. 2013. Pre- and post-weaning calf performances in crossbred cattle from Hereford, Braford, and Bonsmara sires and Angus and Brangus dams. *Prof. Anim. Sci.* 29: 621-631.
- 32) Wyatt, W. E., Lawrence, T. E., Collier, R. J., Blouin, D. C., **Scaglia, G.**, and Collier, J. L. 2013. Feedlot performance, carcass merit, and meat tenderness in crossbred cattle from Hereford, Braford, and Bonsmara sires and Angus and Brangus dams. *Prof. Anim. Sci.* 29: 632-644.
- 31) Rowntree, J. E., Guo, L., Guidry, K. A., **Scaglia G.**, Gentry, G. T., Southern, L., and Leonardi, C. 2013. A macromineral survey of Louisiana beef cow-calf production systems. *Prof. Anim. Sci.* 29:372-382.
- 30) **Scaglia, G.**, Fontenot, J. P., Swecker, W. S., Jr., Corl, B. A., Boland, H. T., Abaye, A. O., and Smith, R. S. 2013. Effect of forage type in the stocker phase and its impact on subsequent feedlot performance and carcass characteristics of beef steers. *Prof. Anim. Sci.* 29:133-140.
- 29) **Scaglia, G.**, Williams, C. C., and Dolejsiova, A. H. 2013. Effects of time of supplementation on cattle grazing annual ryegrass. III. Dry matter intake and digesta kinetics. *Prof. Anim. Sci.* 29:157-162.

- 28) Boland\*, H. T., **Scaglia G.**, Notter, D. R., Rook, A. J., Swecker, W. S., Jr., and Abaye, A. O. 2012. Diet composition and dry matter intake of beef steers grazing tall fescue and alfalfa. *Crop Sci.* 52(6):2817-2825.
- 27) **Scaglia, G.**, Fontenot, J. P., Swecker, W. S., Jr., Corl, B. A., Duckett, S. K., Boland, H. T., Smith, R. S., and Abaye, A. O. 2012. Performance, carcass, and meat characteristics of beef steers finished on 2 different forages or on a high-concentrate diet. *Prof. Anim. Sci.* 28:194-203.
- 26) Boland\*, H.T., **Scaglia, G.**, Notter, D. R., Rook, A. J., Swecker, W. S., Jr., Abaye, A. O., and Fike, J. H. 2011. Grazing behavior and diet preference of beef steers grazing adjacent monocultures of Tall fescue and alfalfa: I. Spatial allocation. *Crop Sci.* 51(3):1314-1324.
- 25) Boland\*, H.T., **Scaglia, G.**, Notter, D. R., Rook, A. J., Swecker, W. S., Jr., and Abaye, A. O. 2011. Grazing behavior and diet preference of beef steers grazing adjacent monocultures of Tall fescue and alfalfa: II. The role of novelty. *Crop Sci.* 51(4):1815-1823.
- 24) Webb, D. M., Abaye, A. O., Teutsch, C. D., Luginbuhl, J. M., **Scaglia, G.**, and Zipper, C. E. 2011. Mixed grazing goats with cattle on reclaimed coal mined lands in the Appalachian region: effects on forage standing biomass, forage botanical composition and Autumn Olive (*Elaeagnus umbellata* Thunb.). *Sheep and Goat Res. J.* Vol. 26:26-31.
- 23) Boland\*, H.T., and **Scaglia, G.** 2011. Giving beef calves a choice of pasture-type influences behavior and performance. *Prof. Anim. Sci.* 27: 160-166.
- 22) Boland\*, H. T., **Scaglia, G.**, Swecker, W. S., Jr., and Abaye, A. O. 2010. Performance and serum metabolites of fall-weaned beef steers strip-grazing on non-stockpiled Tall fescue. *Prof. Anim. Sci.* 26:201-211.
- 21) Stewart\*, Jr. R. L., **Scaglia, G.**, Abaye, A. O., Swecker, W. S., Jr., Wong, E. A., McCann, M. and Fontenot, J. P. 2010. Tall fescue copper and copper-zinc superoxide dismutase status in beef steers grazing three different fescue types. *Prof. Anim. Sci.* 26:489-497
- 20) Radtke, P., Boland\*, H. T., and **Scaglia, G.** 2010. A test of overhead laser scanning to estimate livestock grazing removals in field quadrats. *Agricultural and Forest Meteorology.* 150:1523-1528.
- 19) **Scaglia, G.**, Gillespie, J., Boland, H. T., and Wyatt, W. E. 2009. Effects of time of supplementation on beef stocker calves grazing ryegrass. I. Performance and economic analysis. *Prof. Anim. Sci.* 25:737-748.
- 18) **Scaglia, G.**, Boland, H. T., and Wyatt, W. E. 2009. Effects of time of supplementation on beef stocker calves grazing ryegrass. II Grazing behavior and dry matter intake. *Prof. Anim. Sci.* 25:749-756.
- 17) Soder, K. J., Gregorini, P., **Scaglia, G.**, and Rook, A. J. 2009. Dietary selection by domestic grazing ruminants in temperate pastures: Current state of knowledge, methodologies, and future direction. *Rangeland Ecol. Manage.* 62(5):389-398.

- 16) Fincham, J. R., Fontenot, J. P., Swecker, W. S., Jr., Herbein, J. H., Neel, J. P. S., **Scaglia, G.**, Clapham, W. M., and Notter, D. R. 2009. Fatty acid metabolism and deposition in subcutaneous adipose tissue of pasture and feedlot finished cattle. *J. Anim. Sci.* 87:3259-3277.
- 15) Burke\*, N. C., **Scaglia, G.**, Boland, H. T., and Swecker, W. S., Jr. 2009. Influence of two-stage weaning with subsequent transport on body weight, plasma lipid peroxidation, plasma selenium, on leukocyte glutathione peroxidase and glutathione reductase activity in beef calves. *Vet. Immunology Immunopath.* 127:365-370.
- 14) Stewart\*, Jr., R. L., **Scaglia G.**, Abaye, A. O., Swecker, W. S., Jr, Rottinghaus, G. E., Boland H. T., McCann, M., and Fontenot, J. P. 2008. Estimation of forage intake by steers grazing three fescue types and determination of alkaloids in ruminal fluid and forage. *Prof. Anim. Sci.* 24:578-587.
- 13) Boland\*, H. T., **Scaglia G.**, Swecker, W. S. Jr., and Burke, N. C. 2008. Effects of alternate weaning methods on behavior, blood metabolites, and performance of beef calves. *Prof. Anim. Sci.* 24:539-551.
- 12) Boland\*, H. T., **Scaglia G.**, and Umemura, K. 2008. Impact of horn flies, *Haematobia irritans* (L.)(Diptera: *Muscidae*), on the behavior of beef steers. *Prof. Anim. Sci.* 24:656-660.
- 11) **Scaglia, G.**, Swecker, W. S., Jr, Fontenot, J. P., Fiske, D., Fike, J. H., Abaye, A. O., Peterson, P. R., Clapham, W. M., and Hall, J. B. 2008. Forage systems for cow-calf production in the Appalachian region. *J. Anim. Sci.* 86: 2032-2042.
- 10) Swecker, Jr., W. S., Hunter, K. H., **Scaglia, G.**, Shanklin, R. K., Fiske, D. A., and Fontenot, J. P. 2008. Parenteral selenium and vitamin E supplementation of weaned beef calves. *J. Vet. Intern. Med.* March; 22(2):443-449.
- 9) Rotz, J. D., Abaye, A. O., Wynne, R. H., Rayburn, E. B., **Scaglia G.**, and Phillips, R. D. 2008. Classification of digital photography for measuring productive ground cover. *Rangeland Ecol. Manage.* 61(2):245-248.
- 8) Boland\*, H. T., **Scaglia, G.** Fontenot, J. P., Abaye, A. O., Stewart, R. L., and Smith, R. 2007. Grazing Behavior of beef steers grazing different Tall fescue types and Lakota prairie grass. *Prof. Anim. Sci.* 23: 721-727.
- 7) Burke\*, N. C., **Scaglia G.**, Saker, K. E., Blodgett, D. J., and Swecker, W. S., Jr. 2007. Influence of endophyte consumption and heat stress on intravaginal temperatures, plasma lipid oxidation, plasma selenium and glutathione redox of mononuclear cells in heifers grazing tall fescue. *J. Anim. Sci.* 85:2932-2940.
- 6) Duckett, S. K., Neel, J. P. S., Sonon, R., Jr., Fontenot, J. P., Clapham, W. M., and **Scaglia, G.** 2007. Effects of winter stocker growth rate and finishing system on: II. 9-10-11<sup>th</sup> rib composition, muscle color, and palatability. *J. Anim. Sci.* 85:2691-2698.

- 5) Neel, J. P. S., Fontenot, J. P., Clapham, W. M., Duckett, S. K., Felton, E. E., **Scaglia, G.**, and Bryan, W. B. 2007. Effects of winter stocker growth rate and finishing system on I. Animal performance and carcass characteristics. *J. Anim. Sci.* 85:2012-2018.
- 4) Lucas, A., Swecker, W. S., Jr., Lindsay, D., **Scaglia, G.**, Elvinger, F., and Zajac, A. 2007. The effect of weaning method on coccidial infections in beef calves. *Vet. Parasitol.* 145:228-233.
- 3) Lucas, A., Swecker, W. S., Jr., **Scaglia, G.**, Lindsay, D., and Zajac, A. 2006. Variation in *Eimeria* oocyst count and species composition in weanling beef heifers. *J. Parasitol.* 92:1115-1117.
- 2) **Scaglia, G.**, Greene, L. W., McCollum, F. T., III, Cole, N. A., and Montgomery, T. H. 2004. Case study: Effect of delaying implant and programmed rate of gain on performance and carcass characteristics of yearling beef steers. *Prof. Anim. Sci.* 20:170-177.
- 1) **Scaglia, G.**, Greene, L. W., McCollum, F. T., III, and Cole, N. A. 2004. Performance and carcass characteristics of feedlot steers: Effects of delayed implanting and programmed feeding during the growing period. *Prof. Anim. Sci.* 20:162-169.

**Refereed Conference Proceedings**

- 38) **Scaglia, G.** 2019. Effect of breed type in grass-fed production systems. In: Proc. of the European Federation of Animal Science Annual Meeting; August 26-30, Ghent, Belgium. Page 618.
- 37) **Scaglia, G.** 2019. Grazing brassicas alone or mixed with annual forages during transition periods. Page 29. In: 73rd Southern Pasture and Forage Crop Improvement Conference; May 21-23. Roanoke, VA.
- 36) **Scaglia, G.** 2019. Forage alternatives and management will extend the grazing season in the Gulf Coast Region. In: Proceedings of the AFGC 2019 Annual Conference. St. Louis, MO. January 6-9. Available online at [https://www.afgc.org/i4a/doclibrary/index.cfm?category\\_id=20](https://www.afgc.org/i4a/doclibrary/index.cfm?category_id=20)
- 35) Le, N. T., **Scaglia, G.**, and Bampasidou, M. 2018. Marketing channels for grass-fed beef production: The role of strategic alliances. AAEE Annual Meeting; Washington, D.C.
- 34) Sitienei, I., Gillespie, J. M., and **Scaglia, G.** 2017. Adoption of beef care management practices and its determinants: Analysis of the U.S. Grass-fed beef industry. Southern Agricultural Economics Association Annual Meeting. Mobile, AL.
- 33) Qushim, B., Bhandari, B., Gillespie, J. M., and **Scaglia, G.** 2017. Grass-fed beef enterprises efficiency analysis in the U.S. Southern Agricultural Economics Association Annual Meeting. Mobile, AL.
- 32) Sitienei, I., Gillespie, J. M., and **Scaglia, G.** 2016. Goal structure of the U.S. Grass-fed beef producers. Southern Agricultural Economics Association (SAEA) Annual Meeting. San Antonio, TX.



- 31) Sitinei, I., Gillespie, J. M., **Scaglia, G.**, and Harrison, W. 2015. Estimating Preference Heterogeneity for Cattle Traits: A Choice Modeling Application to the U.S. Grass-Fed Beef Industry. AAEA and WAEA Joint Annual Meeting, San Francisco, CA.
- 30) **Scaglia, G.** 2015. Bermudagrass hay did not improve performance of stocker calves grazing annual ryegrass at a high stocking rate. In: Proc. Int. Grassland Cong.; New Delhi, India.
- 29) Sitienei, I., Gillespie, J., Harrison, R., and **Scaglia, G.** 2015. Estimating desirable cattle traits using latent class and mixed logit models: A choice modeling application to the US Grass-fed beef industry. SAEA Annual Meeting. Atlanta, GA.
- 28) Sitienei, I., Gillespie, J., and **Scaglia, G.** 2015. An analysis of perceived important challenges currently facing the US Grass-fed beef industry. SAEA Annual Meeting. Atlanta, GA.
- 27) Bhandari, B. D., Gillespie, J. M., and **Scaglia, G.** 2015. Efficiency of U.S. Grass-fed beef farms. SAEA Annual Meeting. Atlanta, GA.
- 26) **Scaglia, G.** 2014. Stocking rate and supplementation affect performance of beef heifers grazing 'Nelson' ryegrass. In: Proc. of the Proceedings of the 68<sup>th</sup> Southern Pasture and Forage Crop Improvement Conference; Page 30. Biloxi, MS. Available at: <http://agriflivedn.tamu.edu/spfcic/files/2014/01/Proceedings-68th-SPFCIC.pdf>
- 25) Bhandari, B. D., Gillespie, J. M., and **Scaglia, G.** 2014. Analysis of three pasture systems for grass-fed beef production: Labor use and profitability. SAEA Annual Meeting. Dallas, TX.
- 24) Harrison, W., Lin, B., Gillespie, J. and **Scaglia, G.** 2013. Analysis of consumer attitudes toward health, wellness, and local foods on consumption of grass-fed beef. In: Proceedings of the Annual Meetings of the Agricultural and Applied Economics Association, Washington, DC.
- 23) **Scaglia, G.**, Bhandari, B., Gillespie, J., and Wang J. J. 2013. Forage systems effect on forage-fed beef production. In: Proc. 22<sup>nd</sup> Int. Grassl. Cong. (Eds. D. L Michalk, G. D. Millar, W. B. Badgery, and K. M. Broadfoot). Pp. 589-590. Sydney, Australia.
- 22) **Scaglia, G.**, and H. T. Boland. 2013. Performance and grazing behavior of steers grazing three bermudagrass varieties. In: Proc. Southern Pasture & Forage Crop Improvement Conference. Tyler, TX. April 22-24. Pp. 30.
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**Book Chapters**

Poore, M., **Scaglia, G.**, Andrae, J., Harmon, D., Rogers, J., and Blacklin, S. 2019. Chapter 10: Pasture-finished beef production in the south. In: Management Strategies for Sustainable Cattle Production in Southern Pastures. Ed: M. Rouquette and G. Aiken. Elsevier. 362 p. Paperback ISBN: 9780128144749.

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- 65) **Scaglia, G.** 2019. Effect of planting method on forage production of annual ryegrass and stocker performance. J. Anim. Sci. Vol. 97 (Suppl. 3):(Abstr.). Pages 298–299, <https://doi.org/10.1093/jas/skz258.603>
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  - 3) **Scaglia, G.**, Terra, J. A., y García Préchac, F. 1997. Observaciones sobre alternativas forrajeras para la alimentación de la recria en suelos de lomadas del este. *Observations on different forage alternatives for replacement heifers in the hilly lands of eastern Uruguay*. In: First Bi-national Congress of Animal Production. (Abstr.) September 3-5. Paysandú, Uruguay.
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### **Other Publications**

In the Fall of 2014 the Louisiana Agriculture magazine dedicated a special issue to “Forage-fed beef production” and I was the invited editor for the issue. Twelve articles were written by different Faculty that participated in the AFRI-NIFA project that I was the Project Director (PD) for. I was first author in two of the articles and co-author in six others (citations 48 to 55 of the list below). Also available at:

<http://www.lsuagcenter.com/en/communications/publications/agmag/>

- 66) **Scaglia, G.** 2021. Provide shade to your herd – They need it. May-June Pasture to Market e-Newsletter, NE Region, LSU AgCenter. Page 3.
- 65) **Scaglia, G.** 2020. Matching forage resources with animal requirements. May-June Pasture to Market e-Newsletter, NE Region, LSU AgCenter. Pages 2-3.
- 64) **Scaglia, G.** 2018. Energy supplementation of replacement beef heifers on Nelson annual ryegrass. *Louisiana Agriculture Magazine*. Summer 2018. Vol. 61, No. 3. Pages 11-13. Available at: <http://www.lsuagcenter.com/profiles/lbenedict/articles/page1537374352201>
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- 6) **Scaglia, G.** 1995. Aspectos nutricionales en el uso de los mejoramientos. *Nutritional aspects in the utilization of oversown pastures*. In: Mejoramientos Extensivos, Manejo y Utilización. Serie de Actividades de Difusión N° 75. INIA - Treinta y Tres.
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**2. List of other publications (in press, accepted, submitted, or to be submitted for publication)**

**Refereed Journal Articles and Abstracts**

**Scaglia, G.** Nitrogen fertilization management of winter pastures for stocker cattle production. Annual ASAS Meetings; Lexington, KY. (Abstr.) *In press*

Mikhael, J. E., Wang, J. J., Dodla, S., **Scaglia, G.**, and Dattamudi, S. Effects of biochar, and N-stabilizer on greenhouse gas emissions from a pasture field. *J. Env. Manage. Submitted*

**3. Other creative and artistic contributions**

**Videos**

**2021**

“Preconditioning calves.”; April 8. Dean Lee Research Station beef cattle and forages field day.

“Mineral nutrition in beef cattle: Practical considerations.”; March 17. Spring Acadiana beef cattle producers field day.

## **2020**

“Managing weanling calves until market ready.” October 26. Fall Acadiana beef cattle producers field day. <https://www.youtube.com/watch?v=LewIOPsKNjw>

Beef Brunch Educational Series: “Grazing nutrition.” August 11.  
[https://www.youtube.com/watch?v=faAbtik5lyY&feature=emb\\_logo](https://www.youtube.com/watch?v=faAbtik5lyY&feature=emb_logo)

Dean Lee Virtual Field Tour: “Two stage cattle weaning.” July.  
<https://www.youtube.com/watch?v=A0XSwjiUXic>

Practical Farm Certification video series: “Farm certification for Grass-fed products.” May 12. Southern SARE. [https://www.facebook.com/pg/LouisianaSARE/videos/?ref=page\\_internal](https://www.facebook.com/pg/LouisianaSARE/videos/?ref=page_internal)

## **4. Participation in professional meetings, symposia, workshops, and conferences (in-person and online)**

### **Conferences, meetings participated**

## **2021**

- US Dairy Forage Research Center Webinar Series "It's only grass, isn't it?"; March 3.
- USDA Agricultural Outlook Forum: “Building on Innovation: A Pathway to Resilience” Webinar (<https://www.usda.gov/oce/ag-outlook-forum/aof-program>) February 18 and 19.
- US Dairy Forage Research Center Webinar Series "Using snapshots to create the bigger picture"; February 17.
- Ward Laboratories Webinar “Alfalfa Breeding and Forage Quality Traits”; February 15.
- Society of Range Management Virtual Annual Meeting. February 14-18.
- ASAS Webinar “Precision Management of Animals: Image Processing and Computer Vision Applications.” February 9.
- USDA NIFA Webinar “Applying to NIFA Research Programs as a Small or Mid-Sized Institution”. February 9.
- U.S. Dairy Forage Research Center Webinar Series; “Alfalfa establishment in high yielding silage corn.” February 3.
- USDA NIFA & ARS Animal Production Stakeholder Webinar; January 27 and 28.
- Crop Science Editorial Board Meeting. January 26.
- U.S. Dairy Forage Research Center Webinar Series; “Research updates with baled silages.” January 20.

## **2020**

- Soil Health Institute Webinar Series. “Standard Measurements for Soil Health.” December 8.
- ASAS Webinar Series. “Increasing the Genetic Potential of Commercial Beef Production: a Historical and Future Look at Genetic Programs at the US Meat Animal Research Center.” December 3.
- Crop Science Editorial Board Annual Meeting. November 17.



- "Brown Bagger" Webinar Series. "From pasture to plate – data collection along the entire food chain" and "Opportunities for capturing additional data in US." October 28.
- "Brown Bagger" Webinar Series. "Why is Change Better?" and "Validation of Genetic Evaluation System Model Enhancements at IGS." October 21.
- "Brown Bagger" Webinar Series. "Angus-On-Dairy \$Value Indexes" and "Beef on Dairy 'Breeding to Feeding.'" October 14.
- ASAS Webinar Series. "Beef Production from the Dairy Herd." October 7.
- Ward Educational Webinar Series. "Grazing Quality Forages; Practical Soil Health." October 5.
- ASAS Webinar Series. "Nutritional Regulation of Muscle Growth." August 18.
- Soil Health Institute Annual Virtual Meeting: "Soil Health: The Foundation for Regenerative Agriculture." July 30-31.
- International Webinar "Stocker and Grass-fed finishing in the southeast of the USA" ("Recria y engorde a pasto" (<https://www.ifinaedu.com/programa/programa-carne-2020/>); presentation to the Instituto de Formación e Investigación en Nutrición Animal de Argentina (<https://www.ifinaedu.com/>); July 29.
- LSU AgCenter Dean Lee Research and Extension Center virtual field day. July 20.
- ASAS-CSAS-WSASAS Virtual Annual Meeting and Trade Show. July 19-23.
- Beef Improvement Federation Annual Meeting. Online. June 8-12.
- ASAS Webinar Series. "Sustainable Food Animal Production: Providing a Good Life for Farm Animals." June 4.
- ASAS Webinar Series. "Cell-based meat: The need to assess holistically." May 21.
- Webinar NIFA Equipment Grant Program. May 21.
- Beginning Farmers Extension Program NIFA; Conference call; May 19.
- Virtual Farm certification for Grass-fed products. Southern SARE. May 12.
- ASAS Webinar Series. "The impacts of COVID-19 on cattle and beef markets and what comes next." May 7.
- Annual Graduate Faculty Meeting (virtual). April 29.
- ASAS Webinar Series. "Genetic control of thermotolerance in cattle at the whole-animal and cellular level." April 15.

## **2019**

- European Federation of Animal Science Annual Meeting; Ghent, Belgium. August, 26-30. Presenter.
- American Society of Animal Science (ASAS)-Canadian Society of Animal Science (CSAS) Annual Meeting and Trade Show; Austin, TX. July 8-11. Presenter.
- LCAAA Annual Meetings; New Iberia, LA. June 2-5. Presenter.
- Southern Pasture and Forage Crop Improvement Conference; Roanoke, VA. May 21-23. Presenter.
- Southern Section of the (ASAS) Meetings; Oklahoma City, OK. January, 26-29. SERA-41 organizer.

## **2018**

- 72nd Southern Pasture and Forage Crop Improvement Conference. Fayetteville, AR. May 14-16. Co-Organizer.
- Southern SARE "Our Farms, Our Future Conference." St. Louis, MO. April 3-5. Presenter.

**2017**

- Annual Meeting of the American Society of Animal Science (ASAS); Baltimore, MD. July 8-12. Presenter.
- Dirt Rich or Dirt Poor; Cattle Producers of Louisiana Information Seminar. DeWitt Livestock Facility, LSU AgCenter Dean Lee Research Station. February 10.
- Southern Section of the American Society of Animal Science (ASAS) Meetings; Franklin, TN. February 4-7. Presenter.
- American Forage and Grassland Council (AFGC) Annual Meeting; Roanoke, VA. January 22-24. Presenter.

**2016**

- Louisiana Grazing Land Conservation Initiative: Education for Serious Grazers! LSU Agricultural Center Iberia Research Station and University of Louisiana at Cade Farm. October 6 and 7. Two all-day workshop dealing with “Basics of Grazing Management” and “Advanced Grazing Management”.
- Project Director (PD) AFRI meeting; Virginia Beach, VA. Presentation of project preliminary results. September 19-20. Presenter.
- Southern Pasture & Forage Crop Improvement Conference; West Monroe, LA. May 2-4. Presenter.
- Southern Section of the American Society of Animal Science (ASAS) Meetings; San Antonio, TX. February 6-9. Presenter.
- American Forage and Grassland Council (AFGC) Annual Meeting; Baton Rouge, LA. January 10-12. Presenter

**2015**

- National Beef Cattle Evaluation Consortium. “Brown bagger” Webinar series “Advancing genetic selection in beef cattle: Improving current tools and developing new ones”. October 7, 14, 21, and 28.
- Southern Section of the American Society of Animal Science (ASAS) Meetings; Atlanta, GA. January 31- February 3. Presenter.

**2014**

- Project Director (PD) AFRI meeting; Washington DC. Presentation of project results (oral presentation and two posters). October 29-30. Presenter.
- National Beef Cattle Evaluation Consortium. “Brown bagger” Webinar series. October 1, 8, 15, 22, and 29.
- ADSA-ASAS-CSAS Joint Annual Meeting; Kansas City, MO. July 20-24. Presenter
- Healing the Land and Building Soil Health Workshop (NRCS); Alexandria, LA. May 23. Presenter.
- Southern Pasture & Forage Crop Improvement Conference; Biloxi, MS. April 21-23. Presenter.
- American Society of Agronomy Webinar: Combining livestock, manure and cover crops. March 13.

**2013**

- Behave Workshop: “Teaching cattle to consume weeds”. University of Louisiana-Lafayette; Cade, LA. 11/19 and 20.

- National Beef Cattle Evaluation Consortium. “Brown bagger” Webinar series. October 9, 16, 23, and 30.
- ADSA-ASAS Joint Annual Meeting; Indianapolis, IN. July 8-12. Presenter.
- Southern Pasture & Forage Crop Improvement Conference; Tyler, TX. April 22-24. Presenter.
- Project Director AFRI meeting. Washington DC; February 20-22. Presenter.
- Southern Section of the ASAS Meetings; Orlando, FL. February 2-5. Presenter.

## **2012**

- National Beef Cattle Evaluation Consortium. “Brown bagger” Webinar series. October 3, 10, 17, 24, and 31.
- Southern Section of the ASAS Meetings; Birmingham, AL. February 5-7. Presenter.

## **2011**

- National Beef Cattle Evaluation Consortium. 2011 “Brown bagger” Webinar series. October 5, 12, 19, and 26.
- American Society of Animal Science Annual Meeting; New Orleans, LA. July 10-14. Presenter.
- Southern Section of the ASAS Meetings; Corpus Christi, TX. February 8. Presenter.

## **2010**

- National Beef Cattle Evaluation Consortium. 2010 “Brown bagger” Webinar series. October 20, 27, November 3 and 10.
- Southern Section of the ASAS Meetings; Orlando, FL. February 6-9. Presenter.

## **2009**

- 4th National Conference on Grazing Lands, Grazing Lands Conservation Initiative (GLCI). Presenter; Reno/Sparks, NV. December 13-16. Presenter.
- Southern Section of the ASAS Meetings; Atlanta, GA. February 4-8. Presenter.

## **2008**

- Louisiana Forage and Grassland Council Annual Meeting; Alexandria, LA. December 6.
- ADSA-ASAS Joint Annual Meeting; Indianapolis, IN. July.
- Geology Society of America (GSA) - American Society of Agronomy (ASA) - Crop Science Society of America (CSSA)-Soil Science Society of America (SSSA) Annual Meeting; Houston, TX. October.
- Southern Section of the ASAS Meetings; Dallas, TX. February.

## **2007**

- ADSA-Poultry Science of America (PSA)- Asociacion Mexicana de Produccion Animal (AMPA), ASAS Annual Meeting; San Antonio, TX. July.

## **2006**

- ADSA-ASAS Annual Meeting; Minneapolis, MN. July.
- ASA-CSSA-SSSA Annual Meeting; Indianapolis, IN. November.
- Southern Section of the ASAS Meetings; Orlando, FL. February.

**2005**

- ADSA-Canadian Society of Animal Science (CSAS)-ASAS Annual Meeting; Cincinnati, OH. July.
- ASA-CSSA-SSSA Annual Meeting; Salt Lake City, UT. November.

**2004**

- Southern Section of the ASAS Meetings; Tulsa, OK. February.
- American Forage and Grassland Council Meeting; Roanoke, VA. June.
- ADSA-ASAS-PSA Annual Meeting; St. Louis, MO. July.
- Plains Nutrition Council Spring Conference; San Antonio, TX. April.

**2003**

- Virginia Forage and Grassland Council Annual Meeting; Blackstone, VA. February.
- Plains Nutrition Council Spring Conference; San Antonio, TX. April.

**2002**

- Plains Nutrition Council Spring Conference; San Antonio, TX. April.
- Southern Section of the ASAS Meetings

**2001**

- Plains Nutrition Council Spring Conference; San Antonio, TX. April.
- Plains Nutrition Council Fall Conference; Amarillo, TX. October.
- Southern Section of the ASAS Meetings

**2000**

- Plains Nutrition Council Spring Conference; San Antonio, TX. April.
- Plains Nutrition Council Fall Grazing Conference; Amarillo, TX. October.

**1998**

- 8<sup>th</sup> World Conference of Animal Production; Seoul, South Korea. June. Presenter.

**1994**

- National Conference on Forage Quality, Evaluation, and Utilization; Lincoln, NE. April.
- International Conference on Livestock in the Tropics; Gainesville, FL. May.

**1993**

- 22<sup>nd</sup> Biennial Conference on Rumen Function; Chicago, IL. November.

***Conferences, Workshops and Short Courses Organized***

American Society of Animal Science

Committee member (Ruminant Nutrition section of national ASAS) for the Symposium “Reducing the Environmental Impact of Ruminants- a Nutritional Approach”. 2021 ASAS-CSAS-SSASAS Annual Meeting (Louisville, KY); July 14-18.

-Committee Chair for the Symposium “Cow-Calf Production in the Southeastern US: Potential for Impact and Economic Sustainability”. Southern Section of the ASAS; San Antonio, TX. February 6-9, 2016.

-Committee member of the Symposium “Design, analysis, and conduction of quality grazing research”. Southern Section of the ASAS; Atlanta, GA. February 3-6, 2015.

-Organizer and Chair of the Symposium “Advancements in enhancing cell wall digestibility and its contribution to improve ruminant production” held at the ADSA-ASAS Joint Annual Meeting in Indianapolis, IN. July 8-12, 2013.

-Chair of two sections for the Ruminant Nutrition Committee in the ADSA-ASAS Joint Annual Meeting in Indianapolis, IN. July 8-12, 2013.

-Co-Organizer of the Multidisciplinary Symposium in the Southern Section of the ASAS meetings (starting in 2014 it is named “Bill E. Kunkle Interdisciplinary Beef Symposium”, in honor of the late Dr. William E. Kunkle):

2017. “Forage Systems to Extend the Grazing Season in the Southeastern U.S.”

2016. “Minerals and vitamins in ruminant animal production”

2015. “Tall fescue toxicosis update”

2014. “Well-being/welfare in southern beef cattle production systems”

2013. “Climate Change and its effect on beef production”

2012. “Stocker production in the Southern US”

2011. “New developments in replacement heifers”

2010. “Understanding grass-fed beef”

2009. “Dealing with the new high cost input environment”

-Organizer and Chair of the Pastures and Forages section at the Southern section meetings of the ASAS; Orlando, FL. February 2013.

-Co-organizer and Chair of one of the sessions for Forages and Pastures Section of the Conference. ADSA-ASAS Annual Meeting; Indianapolis, IN. July 2008.

-Co-organizer (together with Dr. K. Soder, USDA/ARS) of the Symposium entitled “Understanding Diet Selection in Temperate Biodiverse Pasture Systems” presented at the ADSA /PSA/AMPA/ASAS joint annual meeting in San Antonio, TX. July 2007.

#### Other

-Co-organizer of the Grazing Behavior Workshop; State College, PA. July 2006.

#### **Membership in Professional Organizations**

American Society of Animal Science

American Society of Agronomy

Crop Science Society of America

American Forage and Grassland Council

Louisiana Forage and Grassland Council

American Registry of Professional Animal Scientists  
Louisiana County Agricultural Agents Association

**Membership in Non-Professional Organizations**

Agricultural Leaders of Louisiana  
Louisiana Cattlemen's Association  
Cattle Producers of Louisiana

**Invited Presentations and Seminars**

\*Denotes Dr. Scaglia's graduate students

**Scaglia, G.** 2020. "Bull Management". Central Region Beef Cattle Forum. DeWitt Livestock Facility; Alexandria, LA. January 18.

**Scaglia, G.** 2019. "Evaluation of forage-fed beef produced from four breed types." LCAAA Meetings; New Iberia, LA. June 2-5.

**Scaglia, G.** 2019. Grazing Cover Crops. In: 73rd Southern Pasture and Forage Crop Improvement Conference; May 21-23. Roanoke, VA.

**Scaglia, G.** 2018. "Nutrition and Body Condition Score in Beef Cattle." 28th Annual Farm Forum and rep day. Scott Civic Center; New Roads, LA. February 5.

**Scaglia, G.** 2018. "Grazing Cover Crops During Transition Period." Soil Health and Cover Crop Conference. LSU AgCenter DeWitt Livestock Facility. Alexandria, LA. January 24.

**Scaglia, G.** 2018. "Grazing Cover Crops During Transition Period." Soil Health and Cover Crop Conference. West Monroe, LA. January 23.

**Scaglia, G.** 2017. "Evaluation of forage-fed beef produced from four breed types". Cattle Producers of Louisiana Information Seminar. LSU AgCenter DeWitt Livestock Facility. February 10.

**Scaglia, G.** 2016. "Basics of Grazing Management". Louisiana Grazing Land Conservation Initiative: Education for Serious Grazers! LSU Agricultural Center Iberia Research Station and University of Louisiana at Cade Farm.

**Scaglia, G.** 2016. "Advanced Grazing Management". Louisiana Grazing Land Conservation Initiative: Education for Serious Grazers! LSU Agricultural Center Iberia Research Station and University of Louisiana at Cade Farm.

**Scaglia, G.** 2015. Hay quality and feeding. St. Martin Cattlemen's meeting. Breaux Bridge, LA. December 3.

**Scaglia, G.** 2015. Forage-fed beef production in Louisiana. Butterfield Farms Field Day, Pollock, LA. May 15.

- Scaglia, G.** 2015. Grazing management. SW Louisiana Cattlemen's Field Day. Lake Charles, LA. April 11.
- Scaglia, G.** 2015. Forage research in Louisiana: Utilization. *In: Healing the Land and Building Soil Health Workshop (NRCS)*. Alexandria, LA. April 8.
- Scaglia, G.** 2015. Forage-fed beef production in Louisiana. St. Landry Cattlemen's meeting. Opelousas, LA. March 21.
- Scaglia, G.** 2014. Forage research in Louisiana: Utilization. *In: Healing the Land and Building Soil Health Workshop (NRCS)*. Oak Grove, LA. October 17.
- Scaglia, G.** 2014. Forage research in Louisiana: Utilization. *In: Healing the Land and Building Soil Health Workshop (NRCS)*. Alexandria, LA. May 23.
- Scaglia, G.** 2013. Finishing steers on a 100% forage diets: Forage systems, economics and carcass characteristics. Louisiana Forage and Grassland Council Annual Meeting. Alexandria, LA. December 6.
- Scaglia, G.** 2012. Invited presentation at the workshop organized by Natural Resources Conservation Service and Cattle Producers of Louisiana at Cade Farm (University of Louisiana-Lafayette). August 17.
- Scaglia, G.** 2010. Natural Resources Conservation Service-Grazing Lands Conservation Initiative-In Service Training. Prairie Research Unit, Mississippi State University. Prairie, MS. October 21.
- Scaglia, G.** 2010. Forage-Fed Beef Workshop. Prairie Research Unit, Mississippi State University. Prairie, MS. October 22.
- Scaglia, G.** 2010. Determination of intake in grazing herbivores: Current state of knowledge. Southern Section ASAS. Orlando, FL. February 9.
- Scaglia, G.** 2009. Performance of beef cattle grazing mixed swards and clover stands in Louisiana. Louisiana Forage and Grassland Council Annual Meeting. Alexandria, LA. December 4.
- Scaglia, G., Boland, H. T., and Stewart, R. L., Jr.** 2005. Forage and Beef Cattle Research at Virginia Tech. Kentland tour for the Chatham County North Carolina Livestock Association. July 29.
- Scaglia, G.** 2005. Finishing beef steers on pasture. Department of Animal Sciences, Auburn University. Auburn, AL. June 12.
- Scaglia, G.** 2005. Feeding Strategies to Reduce Nitrogen and Phosphorus Excretion in Feedlot Steers. Department of Animal and Poultry Sciences, Virginia Tech. Nutrition Seminar Series. January 26.

**Scaglia, G.** 2004. Forage utilization by livestock. American Forage Grassland Council Kentland Farm Tour. June 12.

**National: Oral Presentations**

**Scaglia, G.** 2019. Grazing Cover Crops. 73rd Southern Pasture and Forage Crop Improvement Conference; May 21-23. Roanoke, VA.

**Scaglia, G.** and Muir, J. 2016. Potentials for the Development of Forage Research and Extension Programs. Southern Pasture and Forage Crop Improvement Conference; West Monroe, LA.

**Scaglia, G.,** Beck, P., Lalman, D., and Rouquette, M. 2016. “Issues Affecting Research and Extension Programs on Cow-Calf Production in the SE Region”. Southern Section of the ASAS Meetings; San Antonio, TX.

**Scaglia, G.** 2016. Beef production on different bermudagrass hybrids. AFGC Annual Meetings; Baton Rouge, LA. January 10-12.

**Scaglia, G.,** Williams, C. C., and Dolejsi, A. H. 2015. Adding medium quality hay to the diet of stocker calves grazing annual ryegrass did not improve beef production. JAM ADSA-ASAS. Orlando, FL.

Gillespie, J. M., Bhandari, B. D., Sitienei, I., **Scaglia, G.** 2015. Delta Region Farm Management and Agricultural Policy Working Group SERA-35. “The economics of grass-fed beef.” May 28. (Co-presenter).

**Scaglia, G.,** G. T. Gentry, and J. Gurie. 2015. Production characteristics of stockpiled ‘Alicia’ bermudagrass in Louisiana. Southern Section of the ASAS Meetings; Atlanta, GA.

**Scaglia, G.,** and Boland, H. T. 2013. Grazing behavior of heifers grazing mixed, adjacent or monoculture pastures of ryegrass and clovers. Southern Section of the ASAS Meetings; Orlando, FL.

**Scaglia, G.,** Rodriguez, J., and Boland, H. T. 2012. Evaluation of three bermudagrass varieties for grazing and hay production. Southern Section of the ASAS Meetings; Birmingham, AL.

Boland\*, H. T., and **Scaglia, G.** 2010. Use of n-alkanes and long chain alcohols to estimate forage intake and diet composition of cattle grazing two forage species. Page 194 in Proc. of the 4<sup>th</sup> Grazing Livestock Nutrition Conference. Estes Park, CO.

**Scaglia, G.,** Corl, B., Swecker, W. S., Jr., and Lillie\*, A. N. 2010. Effect of forage type on performance of weanling beef steers. Page 211 in Proc. of the 4<sup>th</sup> Grazing Livestock Nutrition Conference. Estes Park, CO.

**Scaglia, G.** and Boland, H. T\*. 2010. Estimates of dry matter intake of beef steers grazing high quality pastures using alkanes. Page 212 in Proc. of the 4<sup>th</sup> Grazing Livestock Nutrition Conference. Estes Park, CO.



- Scaglia, G.**, Wyatt, W. E., and Boland, H. T. 2009. Effect of time of supplementation on grazing behavior of beef calves grazing annual ryegrass. Southern Section of the ASAS Meetings. Atlanta, GA.
- Scaglia, G.**, Swecker, W. S., Jr., Fiske, D. 2007. SVAREC Cow-calf forage systems project: Past, Present and Future. The Virginia Tech Shenandoah Valley Agricultural Research and Extension Center (SVAREC) Field Day. Steeles Tavern, VA.
- Pickworth\*, C. L., **Scaglia, G.**, Swecker, W. S., Jr., Fontenot, J. P., Wahlberg, M. L., and Abaye, A. O. 2006. Tall fescue type effect on backgrounded calf health and performance. Southern Section of the ASAS Meetings. Orlando, FL.
- Pickworth\*, C. L., **Scaglia, G.**, Swecker, W. S., Jr., Fontenot, J. P., and Wahlberg, M. L. 2006. The effect of supplementation frequency and transportation stress on performance and health of newly weaned calves. Southern Section of the ASAS Meetings. Orlando, FL.
- Gregory\*, S., **Scaglia, G.**, and Stewart, R. L., Jr. 2006. The use of alkanes to estimate forage intake on steers grazing different fescue types or Lakota prairiegrass. Southern Section of the ASAS Meetings. Orlando, FL.
- Scaglia, G.**, Fiske, D., Fontenot, J. P., Hall, J. B., Swecker, W. S., Jr., and Fike, J. H. 2005. Cow/calf forage systems project – three year results. The Virginia Tech Shenandoah Valley Agricultural Research and Extension Center (SVAREC) Field Day. Steeles Tavern, VA.
- Swecker, W. S., Jr., **Scaglia, G.**, Fiske, D., and Fontenot, J. P. 2005. Backgrounding calves on forage. The Virginia Tech Shenandoah Valley Agricultural Research and Extension Center (SVAREC) Field Day. Steeles Tavern, VA.
- Scaglia, G.**, Fontenot, J. P., Swecker, W. S., Jr., Pickworth, C. L., and Shanklin, R. 2004. Backgrounding systems for beef cattle. The American Forage Grassland Council Meeting. Roanoke, VA.

**National: Poster Presentations**

- Scaglia, G.** 2019. Effect of planting method on forage production of annual ryegrass and stocker performance. ASAS/CSAS Annual Meetings and Trade Show; Austin, TX. July 8-11.
- Scaglia, G.**, and H. T. Boland. 2013. Performance and grazing behavior of steers grazing three bermudagrass varieties. Southern Pasture and Forage Crop Improvement Conference. Tyler, TX. April 22-24.
- Scaglia, G.**, and Boland, H. T. 2013. *In situ* dry matter disappearance of bermudagrass and sudangrass hays harvested at different time of the day. Joint Annual Meetings, ADSA/ASAS. Indianapolis, IN. July 8-12.
- Boland\*, H. T., **Scaglia, G.**, Rook, A. J., Swecker, W. S., Jr., Abaye, A. O., and Fike, J. H. 2008. Behavior of cattle grazing adjacent monocultures of tall fescue and alfalfa. The GSA-SSSA-ASA-CSSA Joint Annual Meeting. Houston, TX. October, 20-22.

Boland\*, H. T., **Scaglia, G.**, Swecker, W. S., Jr., and Fontenot, J. P. 2006. Effects of different pre- and post-weaning strategies on grazing behavior of beef calves. The ASA, CSSA, SSSA International Annual Meeting. Indianapolis, IN. November 12-16.

**International: Oral Presentation**

**Scaglia, G.**, and Boland, H. T. \* 2011. Impact of spatial arrangement of grass and legumes on performance and grazing behaviour of beef heifers. Proc. of the 8<sup>th</sup> Intl. Symp. on the Nutr. of Herbivores. Aberystwyth, Wales, UK.

**Scaglia, G.** Fondo Ganadero de Honduras and Zamorano College (Honduras). 2009. “Collaborative program on efficient use of forage resources between LSU AgCenter, FGH, and Zamorano College”; San Pedro Sula, Honduras. January 18.

**Scaglia, G.** Fondo Ganadero de Honduras and Zamorano College (Honduras). 2008. “Research priorities on grazing environments”; San Pedro Sula, Honduras. September 12.

**International: Poster Presentation**

**Scaglia, G.** 2019. Effect of breed type in grass-fed production systems. European Federation of Animal Science Annual Meeting; August 26-30, Ghent, Belgium.

**Scaglia, G.**, Bhandari, B., Gillespie, J., and Wang J. J. 2013. Forage systems effect on forage-fed beef production. Proc. 22<sup>nd</sup> Int. Grassl. Cong. (Eds. D. L Michalk, G. D. Millar, W. B. Badgery, and K. M. Broadfoot). Pp. 589-590. Sydney, Australia.

**Scaglia, G.**, Andreoli, F., Carle, G. and Martignone, L. 1998. Hourly grazing of a sown pasture as a winter supplement for weaned calves. 8<sup>th</sup> World Conference of Animal Production. June 28 - July 4. Seoul, South Korea.

**Scaglia, G.**, Terra, J. A., and García Prèchac, F. 1998. A comparison of four land use intensities for forage production in eastern Uruguay. 8<sup>th</sup> World Conference of Animal Production. June 28 - July 4. Seoul, South Korea.

**5. Other scholarly or creative activities or other contributions to the profession**

-Member of the National Committee for “Ruminant Nutrition” of the American Society of Animal Science (four years; 2019-present).

-Member of the Committee for Organic and Sustainable Agriculture (Representing the Crop Science Society of America). March 2012 until present.

-Member of the “Forages and Pastures” Committee of the Southern section of the American Society of Animal Science (two periods of 4 years; 2016-2019). Chair for the 2019 Meetings; Oklahoma City, OK. January 26-29, 2019.

-Member of the National Committee for “Forages and Pastures” of the American Society of Animal Science (three years).

-Member of the National Committee for “Ruminant Nutrition” of the American Society of Animal Science (four years; 2010-2014).

-Guest Lectures (two each semester; except in 2015, one class) in course ANSC 4060 “Animal Sciences Contemporary Issues”, course taught by Dr. K. McMillin every year. Spring Semester from 2008 to 2019 (number of students: 15, 12, 18, 17, 25, 32, 29, 26, 22, 23, 24, and 21, respectively).

-Guest Lectures (two each semester) in course ANSC 4084 “Beef Cattle Production”, course taught by Dr. M. Garcia every year. Spring Semester from 2010 to 2015 (number of students: 23, 22, 24, 27, 29, and 23, respectively).

-Guest Lecture (one lecture) in course AGRO 4005 “Forage Ecology and Management”, course taught by Dr. E. Twidwell every other year. Spring semester 2014, 2016, and 2018 (number of students: 21, 23 and 19 respectively).

-Trained and supervised five Research Associates: Dr. Pablo Loza (August 15, 2008-November 1, 2009), Ms. Mindy Chiasson (January 19, 2010-February 14, 2011), Mr. Jose Rodriguez (January 1, 2012-July 13, 2012), Mr. Arthur Hebert (May 1, 2011-December 20, 2013), and Mr. Rylan Shipp (June 1, 2014-August 2017).

**At Virginia Tech** I had teaching responsibilities (20% of the appointment). The classes that I was in charge of teaching were:

Undergraduate curriculum:

-APSC 3004. Junior Seminar: Science/Animal Industry Interface. 2 credits course. Spring Semester 2005, 2006, and 2007. Average of 15 students per semester.

-ALS 3204. Animal Nutrition and Feeding. 4 credits course. Spring Semester 2006 and 2007. Average of 72 students per semester.

Graduate curriculum:

-ALS 5984. Advanced Topics in Ruminant Nutrition. 3 credits. Spring 2006 (even years). Nine students.

Other teaching activities:

-Invited guest speaker in ALS 5124, Protein and amino acid metabolism (Virginia Tech), graduate course taught by Dr. J. Escobar. Spring 2007. Presentation: “Protein Nutrition in Ruminants”. Number of students: 14.

-Invited guest speaker in APSC 1464, Introduction to Animal Science (Virginia Tech) undergraduate course taught by Dr. C. Wood. Spring 2005, 2006, and 2007. Presentation: “Comparative Nutrition Across Species”. Number of students: 180.

-Invited guest speaker in ALS 3204, Animal Nutrition and Feeding, undergraduate course taught by Dr. K. Webb. Fall 2006. Presentation: “Beef Cattle Nutrition”. Number of students: 69.

-Established a Journal lab with graduate students (10 students) interested in ruminant nutrition,

forage utilization, livestock production (graduate students from the Departments of Animal and Poultry Sciences, Veterinary School, and Crops and Soils Environmental Sciences were present) to discuss the new advances and discoveries in these areas.

## **6. Other awards, lectureships, or prizes that show recognition of scholarly or artistic achievement**

- Outstanding Associate Editor Award, Crop Science Society of America (CSSA). 2017.
- American Forage and Grassland Council Merit Award. 2016.
- Denver T. and Ferne Loupe Extension Team Award. 2013. LSU AgCenter.
- Texas Cattle Feeders Association Educational Fund. Scholarship awarded twice: August 2000 (\$2,500) and April 2002 (\$2,000).
- Heep Foundation. Scholarship awarded in August 2000 (\$2,000).
- First prize for oral and written presentation of two abstracts at the 7<sup>th</sup> Annual Student Research Conference held at West Texas A&M University. Canyon, TX. November 2000.
- Scholarship awarded to Young Scientists by the Organizing Committee of the 8<sup>th</sup> World Conference of Animal Production in order to assist this Conference in Seoul, South Korea, from June 28-July 4, 1998.
- Scholarship awarded by the Inter-American Development Bank to pursue the M.S. degree at Texas A&M University. 1992-1994.
- Scholarship from the United Nations Development Program to participate in the Planned Technical Assistance Project (PTAP) as part of a multi-disciplinary team that gave technical assistance to dairy producers. 1988.

## **7. Research support/grant activities**

### **Funded proposals**

Total research grants/contracts received: **\$3,556,277; \$2,196,095 at the LSU AgCenter**

**Scaglia, G., Paudel, K. P., Gentry, G. T., and Guidry, K. M.** USDA-NIFA/AFRI for “Increasing the adoption of technology and enhancing sustainability of small beef cattle farms.” **\$500,000**. 5 years (04/01/2021-03/31/2026).

**Scaglia, G., Prinyawiwatkul, W., Persica III, M.** 2016. Louisiana Beef Industry Council. “Evaluation of forage-fed beef produced from four breed types.” **\$9,500**; 1 year.

**Scaglia, G., Fultz, L., and Viator, H. P.** 2016. Louisiana Conservation Innovation Grants (CIG) program for “Reduce soil runoff and improve soil quality and organic matter in lands devoted to sugarcane production with the use of cover crops and other cultural practices”; **\$149,958**; 3 years. September 2016-August 2018.

- Scaglia, G.**, Gillespie, J. M., Gebrelul, S., Marshall, R., and Westra, J. 2015. USDA-NIFA/AFRI for “Production and Market Development for Grass-fed Beef in the Gulf Coast Region of the U.S.”; **\$479,880**; 4 years (no cost extension until 12/31/2020; no cost extension until 12/31/2021).
- Wang, J. J., Dodla, S., **Scaglia, G.**, and Jeong, C. State CIG for “Demonstration of integrated legume- grass forage system to improve air and water quality through decreased N fertilization”; **\$74,407**; (July 2015-June 2018).
- Scaglia, G.**, J. Gillespie, and J. J. Wang. Southern SARE. “Breed types and cover crops provide alternatives for sustainable year-round supply of forage-fed beef for small farms in the Gulf Coast region: Research and on-farm demonstrations”. **\$171,988** (June 2015-May 2018).
- Scaglia, G.** Louisiana Beef Industry Council for “Effect of stocking rate and level of supplementation on performance of stockers grazing ‘Nelson’ ryegrass”. **\$11,000** (July 2013-June 2014).
- Foil, L., Hogsette, J., Gentry, G. T., and **Scaglia, G.** SRIPM/NIFA. “Developing new techniques to use in the integrated pest management of stable flies”. **\$156,457** (July 2010- June 2014).
- Scaglia, G.**, Gillespie, J., McMillin, K. W., Harrison, W., Jr., Westra, J., Malekian, F., Prinyawiwatkul, W., and Janes, M. USDA-NIFA AFRI (2011-67023-30098) for “Profitability for Small Beef Producers through Sustainable Forage Systems and Value Added Forage Fed Beef Production”. **\$500,000** (February 2011-January 2016).
- Scaglia, G.**, Williams, C. C., and Gentry, G. T. Louisiana Beef Industry Council for “Supplementation time affects grazing behavior, performance, and rumen parameters of beef steers grazing ryegrass” **\$6,905**. (August 2009-July 2010).
- Scaglia, G.**, Wang, J. J., and Gillespie, J. The SARE Southern Section competitive research grant proposal agreement No. RD309-105/4690138 for “Maximizing profitability, sustainability, and carbon sequestration of no-till forage systems for finishing beef cattle in the Gulf Coast region.” **\$136,000**. (July 2009-June 2012).
- Corl, B., **Scaglia, G.**, and Wen, Z. The Virginia Agricultural Council competitive research proposal No. 2007-103 for “Use of omega-3 rich algae as a feed supplement for dairy and beef cattle.” **\$28,000**. (July 2007-June 2010).
- Fike, J. H., **Scaglia, G.**, Notter, D. R., and Burger, J. The Virginia Agricultural Council competitive research proposal No. 2007-81 for “Silvopastures for hair sheep production.” **\$18,000**. (July 2007-June 2010).
- Scaglia, G.** and Swecker, W. S., Jr. The USDA/ARS SCA award (1932-21630-002-00D) for “Pasture based beef systems for Appalachia.” **\$1,274,982**. (July 2005-June 2007).

**Scaglia, G.**, Abaye, A. O., Swecker, W. S., Jr., and Smith, R. The Virginia Agricultural Council competitive research proposal No. 2004-0123 for “Fatty acid deposition in edible tissues from pasture- and concentrate-fed steers.” **\$ 26,700** (July 2004-June 2007).

Greene, L. W., **Scaglia, G.**, and McCollum, F. T. III. The Houston Livestock Show and Rodeo for “Impact of feeding level and implant strategy during the growing period on performance, carcass characteristics and composition of beef steers.” **\$12,500** (July 2001-June 2002).

**Proposals submitted but not funded**

Alison, M., **Scaglia, G.**, Fultz, L., Wang, J. J., Han, K. J. 2018. USDA-NIFA/AFRI for “Soil health and ecosystem services benefits from various grazing management strategies”; \$499,735.

Wang, J. J., Dodla, S., Jeong, C., and **Scaglia, G.** 2016. National Conservation Innovation Grants (CIG) program for “Reducing ammonia and greenhouse gas emissions and runoff water nutrient losses in manure-affected soils using nitrogen stabilizers and biochar amendment”; \$456,680; 3 years.

Hubchen, J., Kuvimiha, S., Bunch, J. C., Arcemont, L., **Scaglia, G.**, Westra, J. 2016. Cochran Fellowships for Jamaicans: Promoting Community Development through Small Farmer Engagement; \$34,467; 1 year. USDA/Foreign Agricultural Service.

**Proposals pending**

None.

Funding sources:

- \* Louisiana Beef Industry Council
- \* Conservation Innovation Grants (CIG)-NRCS
- \* SARE Southern Section
- \* AFRI/NIFA
- \* Virginia Agricultural Council
- \* USDA/ARS
- \* The Houston Livestock Show and Rodeo

**8. Theses/Dissertations directed (numbers only)**

As major advisor:

2 Ph.D. dissertations (completed; at Virginia Tech)

Dr. Holly T. Boland (Former Assistant Professor, Mississippi State University, Prairie Unit)

Dr. R. Lawton Stewart, Jr. (Associate Professor, The University of Georgia, Animal and Dairy Science Department)

4 M.S. thesis (completed)

Jose M. Rodriguez (LSU)

Carrie L. Pickworth (Virginia Tech)

Holly T. Boland (Virginia Tech)

Nathaniel C. Burke (Virginia Tech)

As member of the Graduate Committee (all completed except indicated otherwise):

Ngoc Le (Dr. M. Bampasidou, Major Professor, LSU; expected graduation date December 2018)

Joseph Mikhael (Dr. J. J. Wang, Major Professor, LSU; expected graduation date December 2018)

Zachary Turnage (Dr. M. Deliberto, Major Professor, LSU)

Bo Lin (Dr. R. W. Harrison, Major Professor; LSU)

Basu Bhandari (Dr. J. Gillespie, Major Professor; LSU; expected graduation date December 2015)

Isaac Sitienei (Dr. J. Gillespie, Major Professor; LSU; expected graduation date December 2015)

David Skeans (Dr. J. Rowntree, Major Professor; LSU)

Kyle Guidry (Dr. G. Gentry, Major Professor; LSU)

Matt Webb (Dr. O. A. Abaye, Major Professor; Virginia Tech)

Elizabeth Yarber (Dr. O. A. Abaye, Major Professor; Virginia Tech)

Jonathan Rotz (Dr. O. A. Abaye, Major Professor; Virginia Tech)

Aaron Lucas (Dr. A. Zajac, Major Professor; Virginia Tech)

Ondrej Becvar (Dr. W. S. Swecker, Jr., Major Professor; Virginia Tech)

Thomas Smith (Dr. J. H. Fike, Major Professor; Virginia Tech)

Roberto Franco (Dr. M. Wahlberg, Major Professor; Virginia Tech)

Sebastian Arriola (Drs. O. A. Abaye and B. Tracy, Co-Chairs; Virginia Tech)

## **9. Major areas of research interest**

My major areas of research have been to understand the plant-animal interface and to enhance the forage resources utilization by different classes of cattle. The goal has been to evaluate production systems differing in complexity that will provide the best alternative to sustainably and economically produce beef in the region. My research work at the Louisiana State University Agricultural Center has focused on:

A) The development of forage systems for finishing cattle in the Gulf Coast region (2008-2014) and the evaluation of breed types for forage-fed beef production (2015-2021). In the former, the main objectives were the evaluation of different forage systems to develop a profitable and sustainable finishing program that will allow the production of 1100 lb steers at 17-19 months of

age. On the second one, we evaluated the performance of 4 breeds (Angus, Brangus, Holsteins, and Pineywoods) on a grass-finishing program. These projects received funding from S-SARE and NIFA, several peer-reviewed articles were published, graduate students worked, and data were presented in many different oral or poster sessions (scientific conferences, field days, workshops, pasture walks) and mass media (newsletters, producers' magazines [local and national reach]). We hope to be able to complete the face-to-face activities (interviews, grass-fed beef workshop, etc.) this year. Activities were re-programmed due to the pandemic.

B) Understanding grazing behavior of beef cattle. The main objectives in the grazing behavior program is to determine 1) the impact of spatial arrangement of grasses and legumes on performance; 2) the effect of time of day of supplementation, on grazing behavior, ruminal environment parameters, and digesta kinetics; 3) the effect of hay feeding strategies on stockers grazing annual ryegrass. Data generated from all these three objectives derived in several publications including five peer-reviewed articles.

C) Determination of the effect of stocking rate on stocker steer performance, forage response to grazing, and the effect of supplementation with starch (ground corn) or high digestible fiber (soybean hulls pellets) on animal performance and reproductive success of replacement heifers when grazing 'Nelson' annual ryegrass. Peer-reviewed articles are under reviewed.

D) Evaluation of annual ryegrass cultivars (di- and tetraploids) under grazing conditions at the Iberia Research Station. This work was published recently. We now have 2 years of data of a similar experiment conducted at the Dean Lee Research and Extension Center.

E) Evaluation of low and high management cow-calf systems in a multidisciplinary system-oriented approach to problem solving. This was a long-term project at the Iberia Research Station and served as the cornerstone for a recently funded federal grant.

## **10. Outreach-field days, trade-shows, direct clientele contact**

### **2021**

-Louisiana Grazing Lands Coalition Initiative. Online; March 5.

-Louisiana Grazing Lands Coalition Initiative. Online; February 26.

-Discussion project Individual feed intake research and RIC2Discover system (<https://hokofarmgroup.com/products/ric2discover/>); Mr. Arnold van Leeuwen, company's representative. February 11.

-C-Lock (<https://www.c-lockinc.com/>) Representative; Mr. Ted Cunningham. Discussion on equipment to determine greenhouse gases emissions in beef cattle. January 29.

-Louisiana Grazing Lands Coalition Initiative. Online; January 15.

### **2020**

-Louisiana Grazing Lands Coalition Initiative. Online; December 4.



- LSU AgCenter Acadiana Beef Cattle Producers Field Day; Abbeville, LA. October 27. Organizer and presenter (online presentation).
- Louisiana Grazing Lands Coalition Initiative. Online; October 2.
- LFGC Meeting to organize Annual Meeting. Dean Lee Research and Extension Center. September 29.
- Meeting with Mr. Dale Frederick (Facilities planning) at DLRS; installation of individual feeding capabilities; September 24.
- GrowSafe representative; conference call about purchase of equipment; September 23.
- Louisiana Grazing Lands Coalition Initiative. Online; September 18.
- GrowSafe representative; conference call about purchase of equipment; September 9.
- Louisiana Grazing Lands Coalition Initiative. Online; August 7.
- LSU AgCenter Dean Lee Research and Extension Center virtual field day. July 20.
- Louisiana Grazing Lands Coalition Initiative. Online; July 10.
- LSU AgCenter Acadiana Beef Cattle Producers Field Day Planning Meeting; Online. June 16.
- Louisiana Grazing Lands Coalition Initiative. Online; May 15.
- Mentoring committee for Dr. Ashley Edwards; Online meeting; May 7.
- Virtual Meeting; planning for the new LSU AgCenter livestock website; April 9.
- Louisiana Grazing Lands Coalition Initiative. Online; March 20.
- 2<sup>nd</sup> Advanced Master Cattleman. Alexandria, LA; March 13. Organizer and Presenter.
- LSU AgCenter Acadiana Beef Cattle Producers Field Day. LSU AgCenter Iberia Research Station. March 7. Organizer and presenter.
- Central Region Beef Cattle Forum. Alexandria, LA; February 18. Presenter.
- ABS representative meeting; update on semen availability and purchase program for IRS and DLRS. February 11.
- Louisiana Beef Industry Council; Baton Rouge, LA; January 24. Presenter.
- Regional and Statewide Beef Cattle Program Update. Dean Lee Research and Extension Center. January 21.
- St. Mary Parish Fair; Franklin, LA; January 17. Presenter.
- 1<sup>st</sup> Advanced Master Cattleman. Alexandria, LA; January 10. Organizer and Presenter.

**2019**

- Louisiana Grazing Lands Coalition Initiative. Alexandria, LA; December 13.
- Southeast Region Tour. Neal Farm, Idlewild Research Station, Kent's Farm. December 11. Organizer.
- LFGC Meeting. Alexandria, LA. December 6. Organizer and presenter.
- Advisory Committee Meeting Iberia Research Station. Jeanerette, LA. December 4.
- LSU AgCenter Acadiana Beef Cattle Producers Field Day. UL-Cade; Cade, LA. November 2. Organizer.
- Expo Field Day. LSU AgCenter Dean Lee Research Station; June 27. Presenter and organizer.
- Louisiana Farm Bureau Federation Annual Meeting. New Orleans, LA. June 22.
- Louisiana Grazing Lands Coalition Initiative. Alexandria, LA; June 21.
- Southern Pasture & Forage Crop Improvement Conference. Roanoke, VA. May 21-23. Presenter and program organizer.
- Beef Cattle Field Day. LSU AgCenter Idlewild Research Station; May 4.
- Introduction to Artificial Insemination Class. LSU AgCenter Dean Lee Research Station; April 26. Presenter and organizer.
- Introduction to Artificial Insemination Class. LSU AgCenter Idlewild Research Station; April 25. Presenter and organizer.
- Master Cattle Producer Class, Ruminant Nutrition. NE Region, LaSalle Parish; April 22. Presenter.
- Introduction to Artificial Insemination Class. LSU AgCenter Iberia Research Station; April 11. Presenter and organizer.
- Louisiana Grazing Lands Coalition Initiative. Alexandria, LA; March 15.
- St. Landry's Cattlemen Meeting. March 12. Presenter.
- LSU AgCenter Acadiana Beef Cattle Producers Field Day. LSU AgCenter Iberia Research Station. March 9. Organizer and presenter.
- Louisiana Cattlemen Association Annual Meeting. West Monroe, LA. January 18.

**2018**

- Louisiana Grazing Lands Coalition Initiative. Alexandria, LA; December 14.
- LFGC Meeting. Alexandria, LA. December 7. Organizer and presenter.

- LSU AgCenter Acadiana Beef Cattle Producers Field Day. Abbeville, LA. October 24. Organizer and presenter.
- Louisiana Grazing Lands Coalition Initiative. Alexandria, LA; September 28.
- NE Beef Cattle Forage Field Day. Mangham, LA; September 20.
- Master Cattle Producer Class, Ruminant Nutrition. Opelousas, LA; August 2. Presenter.
- Baby Beef contest organized by the Iberia Cattlemen's Association at the LSU AgCenter Iberia Research Station; May 19.
- Master Cattle Producer Class, Ruminant Nutrition. Lake Charles, LA; May 10. Presenter.
- Louisiana Grazing Lands Coalition Initiative. Alexandria, LA; March 9.
- LSU AgCenter Acadiana Beef Cattle Producers Field Day. LSU AgCenter Iberia Research Station. March 3. Organizer and presenter.
- Pasture walk at Mr. Harvey Gonsoulin's farm; Use of cover crops in sugarcane fallow land period (NRCS funded). February 19. Co-Organizer and Presenter.

## **2017**

- LSU AgCenter Acadiana Beef Cattle Producers Field Day. University of Louisiana at Cade. October 21. Organizer and presenter.
- Master Cattle Producer Class, Ruminant Nutrition. Abbeville, LA; September 18. Presenter.
- Master Cattle Producer Class, Ruminant Nutrition. Alexandria, LA; August 17. Presenter.
- Baby Beef contest organized by the Iberia Cattlemen's Association at the LSU AgCenter Iberia Research Station; May 20.
- Master Cattle Producer Class, Ruminant Nutrition. Farmerville, LA; April 17. Presenter.
- LSU AgCenter Acadiana Beef Cattle Producers Field Day. LSU AgCenter Iberia Research Station. March 18. Organizer and presenter.
- Master Cattle Producer Class, Ruminant Nutrition. Natchitoches, LA; March 6. Presenter.

## **2016**

- Louisiana Forage and Grassland Council Annual Meeting. Alexandria, LA; December 2. Organizer.
- Pasture walk at the LSU AgCenter Iberia Research Station; Jeanerette, LA. November 29. Organizer and Presenter.
- Louisiana Beef Industry Council Meeting; Shreveport, LA. November 11. Presenter.

- Acadiana Cattle Producers Fall Field Day; Abbeville, LA. October 27. Organizer and Presenter.
- Louisiana Grazing Lands Coalition Initiative. Alexandria, LA; October 21.
- Beef Marketing Strategies and Beef Added Value Conference; LSU AgCenter, Alexandria, LA. August 11.
- Louisiana Grazing Lands Coalition Initiative. Alexandria, LA; April 8.
- Master Cattle Producer Class, Ruminant Nutrition. Delhi, LA; April 4. Presenter.
- LSU AgCenter Acadiana Beef Cattle Producers Field Day. LSU AgCenter Iberia Research Station. March 19. Organizer and presenter.
- Master Cattle Producer Class, Ruminant Nutrition. Minden, LA; February 22. Presenter.
- Louisiana Grazing Lands Coalition Initiative. Alexandria, LA; January 22.
- Louisiana Cattlemen's Association Convention. Houma, LA; January 8-10. Presenter.

## **2015**

- Louisiana Forage and Grassland Council Annual Meeting. Alexandria, LA; December 4. Organizer.
- Louisiana Grazing Lands Coalition Initiative. Alexandria, LA; November 13.
- Acadiana Beef Cattle Producers Field Day. University of Louisiana at Lafayette (UL-L), Cade, LA; November 7. Organizer and Presenter.
- Master Cattle Producer Class, Ruminant Nutrition. Abbeville, LA; August 31. Presenter.
- Master Cattle Producer Class, Breeding and Genetics. Alexandria, LA; August 27. Presenter.
- Louisiana Grazing Lands Coalition Initiative. Alexandria, LA; August 21.
- St. Martin Parish Cattlemen's Association Pasture Field Day. La Belle Chenier Ranch, St. Martinville; June 13.
- Master Cattle Producer Class, Ruminant Nutrition. Lake Charles, LA; June 11. Presenter.
- Louisiana Grazing Lands Coalition Initiative. Alexandria, LA; May 22.
- Master Cattle Producer Class, Ruminant Nutrition. Alexandria, LA; May 21. Presenter.
- Baby Beef contest organized by the Iberia Cattlemen's Association at the LSU AgCenter Iberia Research Station; May 16.
- Butterfield Farms Field Day. Pollock, LA; May 15. Presenter.
- Louisiana Grazing Lands Coalition Initiative. Alexandria, LA; April 13.

- Southwest Louisiana Cattlemen's Field Day. Lake Charles, LA; April 11. Presenter.
- Healing the Land and Building Soil Health Workshop (NRCS). Alexandria, LA; April 8. Presenter.
- Master Cattle Producer Class, Ruminant Nutrition. Farmerville, LA; April 6. Presenter.
- Acadiana Beef Cattle Producers Field Day planning Meeting. University of Louisiana at Lafayette (UL-L), Cade, LA; March 31.
- Master Cattle Producer Class, Ruminant Nutrition. Coushatta, LA; March 24. Presenter.
- St. Landry Cattlemen's meeting. Opelousas, LA; March 7. Presenter.
- LSU AgCenter Acadiana Beef Cattle Producers Field Day. LSU AgCenter Iberia Research Station. March 7. Organizer and presenter.
- Louisiana Cattlemen's Association Convention. Houma, LA; January 2-4. Presenter.

## **2014**

- Louisiana Forage and Grassland Council Annual Meeting. Alexandria, LA; December 5. Organizer and presenter.
- Iberia Cattlemen's Association Meeting. Couteau, LA; November 24.
- Louisiana Grazing Lands Coalition Initiative. Alexandria, LA; November 21.
- Undergraduate students from Universidad Nacional Autonoma de Honduras visit the Iberia Research Station; Coordinated with International Programs Office; October 21. Presenter.
- Healing the Land and Building Soil Health Workshop (NRCS). Oak Grove, LA; October 18. Presenter.
- LSU AgCenter Dean Lee Research Station Beef Cattle Field Day. Alexandria, LA; October 16. Presenter.
- LSU AgCenter Acadiana Beef Cattle Producers Field Day. Abbeville, LA; October 2. Organizer and presenter.
- Louisiana Grazing Lands Coalition Initiative. Alexandria, LA; September 19.
- LSU AgCenter Beef and Forage Field Day. Goldmine Plantation; Mengham, LA; September 18.
- Radio Interview (KANE AM 1240). Beef Cattle Production, Cattle and Beef Prices and impact on consumers; June 19. Presenter.
- Louisiana Grazing Lands Coalition Initiative. Alexandria, LA; June 13.
- Healing the Land and Building Soil Health Workshop (NRCS). Alexandria, LA; May 23. Presenter

- Multi-Parish Cattlemen's night. Dominique's Stockyard. Carencro, LA; May 22
- Baby Beef contest organized by the Iberia Cattlemen's Association. LSU AgCenter Iberia Research Station; May 17.
- LSU AgCenter Northwest Beef and Forage Field Day. Hill Farm Research Station. Homer, LA; April 29.
- LSU AgCenter – Farm Bureau of Louisiana Beef Cattle Tour (Canton, Saginaw, Hart, and Amarillo, TX); March 29-April 1.
- LSU AgCenter Iberia Research Station-Acadiana Beef Cattle Producers Field Day; March 8. Organizer and presenter.
- Louisiana Cattlemen's Association Convention. West Monroe, LA; January 17-18.

### **2013**

- Louisiana Forage and Grassland Council Annual Meeting. Alexandria, LA; December 6. Organizer and presenter.
- Iberia Cattlemen's Association Annual Meeting. Coteau, LA; November 25. Presenter.
- Undergraduate students from the Universidad Nacional Autonoma de Honduras visit the Iberia Research Station; Coordinated with International Programs Office; October 15. Presenter.
- Acadiana Field day. Opelousas, LA; October 3. Organizer and presenter.
- LSU AgCenter Dean Lee Research Station Beef and Forage Field day; September 12. Presenter.
- Master Cattle Producer Class, Ruminant Nutrition. Abbeville, LA; September 9. Presenter.
- LSU AgCenter Macon Ridge Research Station Field Day; September 5.
- Louisiana Forage and Grassland Council Planning Meeting. Dean Lee Research Station; August 22.
- University of Louisiana-Lafayette at Cade Field Day. Cade, LA; August 21.
- Louisiana Grazing Lands Coalition Initiative Meeting. Alexandria, LA; August 16.
- Fondo Ganadero de Honduras; International Programs; August 6-8; Presenter.
- Sugarcane Field Day at LSU AgCenter Iberia Research Station; July 25.
- Beef Planning Meeting at LSU AgCenter Idlewild Research Station; July 19.
- LSU AgCenter Dean Lee Research Station Field Day; July 18. Organizer and presenter.
- Louisiana Cattlemen's Association Meeting (West side of the LSU AgCenter Dean Lee Research Station); July 18.

- Beef Planning Meeting for the LSU AgCenter Macon Ridge Research Station at the LSU AgCenter Dean Lee Research Station; July 18.
- Beef Planning Meeting at LSU AgCenter Reproduction Biology Center; July 16.
- Advisory Committee Meeting. LSU AgCenter Dean Lee Research Station; July 15 (morning).
- Beef Planning Meeting. LSU AgCenter Dean Lee Research Station; July 15 (morning).
- Field Day planning Meeting. Lafayette Parish Office; July 15 (afternoon).
- State County Agents' Association Meeting. Abbeville; May 22. Presenter.
- Baby Beef contest organized by the Iberia Cattlemen's Association. LSU AgCenter Iberia Research Station; May 18.
- Acadiana Field Day Planning Meeting. Lafayette Parish Office May 17.
- Livingston Parish Beef Cattle Producers visited the LSU AgCenter Iberia Research Station; May 3. Presenter.
- Dr. DeRamus and his undergraduate class (14 students) from the University of Louisiana-Lafayette visit the LSU AgCenter Iberia Research Station; April 25.
- Field Day at the LSU AgCenter Red River Research Station; April 16.
- Field Day at the LSU AgCenter Southeast Research Station; April 5.
- Pasture walk. St. Francisville, LA; March 23.
- Webinar SERA041 Multi-state project series of seminars; March 19.
- Field Day at the LSU AgCenter Iberia Research Station; March 9. Organizer and presenter.
- Field Day Planning Meeting. Lafayette Parish Office; February 18 (morning).
- Beef Planning Meeting. LSU AgCenter Dean Lee Research Station; February 18 (afternoon).
- Louisiana Grazing Lands Coalition Initiative Meeting. Alexandria, LA; January 25.

## **2012**

- LSU AgCenter Annual Conference; December 17-18. Presenter.
- St. Martin Parish Meeting; Research at the LSU AgCenter Iberia Research Station; December 14. Presenter.
- Louisiana Forage and Grassland Council Annual Meeting. Alexandria, LA; December 7.
- Beef Planning Committee Meeting. LSU AgCenter Dean Lee Research Station; December 5.
- Visit to Branch Ranch (LA) to select bulls to purchase in a video auction; October 23.

- Acadiana Beef Cattle Producers Field Day. Abbeville, LA; October 18. Presenter.
- Visit of 15 students from Honduras together with Ms. Susan Karimiha (International Programs); October 15. Presenter.
- LSU AgCenter Hill Farm Research Station Field Day; October 9.
- LSU AgCenter Communications, interviewed for video about the LSU AgCenter Iberia Research Station; October 5.
- Mr. A. J. Sabine (Farm Bureau Federation; This week in LA Agriculture; TWLA) interviewed me for a video about the Forage-fed beef project at the LSU AgCenter Iberia Research Station; October 1.
- Sugarcane Festival; Livestock Show; Collection of urine samples from steers; New Iberia; September 28.
- Workshop organized by NRCS and Cattle Producers of Louisiana at Cade Farm (University of Louisiana-Lafayette); August 17. Presenter.
- LSU AgCenter Dean Lee Research Station Beef Research Planning Meeting; August 13.
- Acadiana Beef Cattle Producers Field Day, Planning Meeting. LSU AgCenter Lafayette Parish Office; August 10.
- A group of members of the Youth Leadership Program visits the LSU AgCenter Iberia Research Station; July 23. Presenter.
- LSU AgCenter Dean Lee Research Station Field Day; July 19. Presenter.
- Presentation of "Ranch for Profit" workshop by Mr. Dave Pratt; Brookshire Farms (Mrs. A. Blanchet, owner). Abbeville, LA; June 16.
- 4-H heifer training at LSU AgCenter Iberia Research Station (Stan Dutile and Andrew Granger); June 14.
- Iberia Cattlemen's Association Meeting; LSU AgCenter Iberia Research Station; June 14. Presenter.
- LSU AgCenter Southeast Research Station Field Day; May 31.
- Acadiana Beef Cattle Producers Field Day. LSU AgCenter Iberia Research Station; May 5. Organizer and presenter.
- Vermilion Advisory Committee Meeting (Beef Cattle); Coordinator: Mr. A. Granger; April 12. Presenter.
- Beef Planning Meeting. LSU AgCenter Dean Lee Research Station; April 2.
- Pasture Walk at Dr. F. Rodosta's Farm. Opelousas, LA; March 17. Presenter.



-Visit to the LSU AgCenter Iberia Research Station of a group of beef cattle producers from Alabama; March 14. Presenter.

-Radio Interview (KANE AM 1240); Research conducted at the LSU AgCenter Iberia Research Station and future Field Day; March 1.

## **2011**

-Dairy ACE Meeting. Baton Rouge, LA; December 15.

-Forages ACE Meeting. Baton Rouge, LA; December 15.

-Beef ACE Meetings. Baton Rouge, LA; December 15. Presenter.

-Iberia Cattlemen's Association Meeting. LSU AgCenter Iberia Research Station; December 7.

-Louisiana Forage and Grassland Council Annual Meeting. Alexandria, LA; December 2.

-Meeting with Beef Cattle researchers and extension personnel. LSU AgCenter Idlewild Research Station; November 10.

-New Orleans Agribusiness Council Meeting. New Orleans, LA; November 1. Presenter.

-Oak Creek Farm Field Day. Chappell Hill, TX; October 28. Presenter.

-Acadiana Cattle Producers Fall Field Day. Carencro, LA; September 17.

-Acadiana Cattle Producers Field Day Planning Meeting. Lafayette, LA; September 9.

-LSU AgCenter Master Cattle Program. Abbeville, LA; August 29. Presenter (Nutrition Section).

-Louisiana Forage and Grassland Council Meeting. LSU AgCenter Dean Lee Research Station; August 25.

-Beef Program Meeting; LSU AgCenter Dean Lee Research Station; August 18.

-LSU AgCenter Lafayette Advisory Committee Meeting and Field Day Planning. Lafayette, LA; June 9. Presenter.

-Acadiana Cattle Producers Spring Field Day. LSU AgCenter Iberia Research Station; April 9. Organizer and presenter.

-Meeting with the Rotary Club, New Iberia Golf Club. New Iberia, LA; March 16. Presenter.

-LSU AgCenter St. Mary Parish 4-H Fair and Livestock Show. Franklin, LA; January 21. Presenter.

## **2010**

-Louisiana Forage and Grassland Council Annual Meeting. Alexandria, LA; December 3.

- Pasture Walk. LSU AgCenter Iberia Research Station. October 30; Presenter.
- Acadiana Cattle Producers Fall Field Day. Henry, LA; September 30.
- Mr. R. Steer and family (beef cattle producers from Bolivia) visited me at the Iberia Research Station. Presented research projects under my supervision; August 18.
- LSU AgCenter Dean Lee Research Station Field Day. Alexandria, LA; August 5.
- Acadiana Cattle producers Field Day Planning Meeting. Lafayette, LA; May 26.
- Baby Beef weighing day. LSU AgCenter Iberia Research Station for the Iberia Cattlemen's Association 4-H; May 22.
- Pasture Walk. Mr. H. Gonsoulin's farm; May 8.
- LSU AgCenter Rosepine Experiment Station Field Day; May 6. Presenter.
- Meeting with S. Dutile and A. Granger for LSU AgCenter Master Cattle Program. Lafayette, LA; April 8.
- Pasture Walk. LSU AgCenter Iberia Research Station; March 13. Presenter.
- Producers from Franklinton visited the LSU AgCenter Iberia Research Station. Beef cattle and forage research at the Iberia Research Station; March 10. Presenter.
- LSU AgCenter Vermilion Parish Advisory Committee Meeting. Abbeville, LA; February 22. Presenter.

## **2009**

- Louisiana Forage and Grassland Council Annual Meeting. Alexandria, LA; December 4. Organizer and presenter.
- LSU AgCenter Hill Farm Research Station Field Day; October 1.
- Active participation in four “Pasture Walks” organized by the Grazing Louisiana Coalition Initiative in different producers’ farms and host of one of them at the Iberia Research Station in July, 2009.
- Iberia Cattlemen’s Association Annual Meeting; June 20.
- Farm Bureau Task Force Meeting (Alexandria, LA). This task force represents producers, Farm Bureau, NRCS, Cattlemen’s Associations, and LSU AgCenter. Working towards the development of a stocker/finishing program with the objective of promoting Louisiana Produced Beef; April 27.
- Spring Field Day. LSU AgCenter Iberia Research Station. Presentation of preliminary data from projects conducted at the Iberia Research Station; April 5.

-Visit to the Black Belt Station (Auburn University). Meeting with Dr. R. Muntifering to discuss possible future collaboration; March 26.

-Farm Bureau Task Force Meeting (Baton Rouge, LA). This task force represents producers, Farm Bureau, NRCS, Cattlemen's Associations, and LSU AgCenter. Working towards the development of a stocker/finishing program with the objective of promoting Louisiana Produced Beef; February 15.

## **2008**

-Beef ACE Meeting, LSU AgCenter Annual Meetings; December 17.

-Louisiana Forage and Grassland Council Annual Meeting. Alexandria, LA; December 5.

-Visit Overton-TAMU Research Station. Meeting with Drs. Rouquette, Forbes, Banta, McCuisition, and Randel. Discuss common research interest and possible collaboration in the future; August 17.

-Grazing Louisiana Coalition Initiative (Alexandria, LA). Presentation of the forage fed project to NRCS and producers (approximately 20 in attendance). This coalition organizes pasture walks in farms all over Louisiana and promotes grazing and correct use of forage resources; May 18.

-LSU AgCenter Rosepine Research Station Beef and Forage Field Day. May 1.

## **2007**

-Louisiana Forage and Grassland Council Annual Meeting. Alexandria, LA; December 7.

### **Every year activities (2008-present)**

-Program Committee for the Louisiana Forage and Grassland Council Annual Meeting; I have participated in meetings to decide on topics and speakers to cover at the Annual Meeting that is held annually on the first Friday of December.

-LSU AgCenter Beef and Forage Advisory Committee (Lafayette, LA). Meeting (once a year) with Mr. S. Dutile and beef producers to discuss outreach activities, research projects, and organization of different workshops.

-LSU AgCenter Vermilion Parish Beef Advisory Committee (Abbeville, LA). Meeting (once a year) with Mr. A. Granger and beef producers to discuss outreach activities, research projects, organization of workshops and extension activities.

-Attend the Louisiana Farm Bureau Federation meetings in New Orleans.

### **At Virginia Tech**

-2006 Kentland Farm Field Day.

Presentations:

A) Effect of fescue type on performance and blood metabolites in beef steers.

B) Grazing behavior of steers on different forages.

C) Effect of endophyte free fescue or alfalfa and high concentrate diet on carcass characteristics and fatty acid concentrations of edible tissues of beef steers.

-Shenandoah Research and Extension Center Field Day; August 3, 2005.

-Kentland tour for the Chatham County North Carolina Livestock Association; July 29, 2005.

-American Forage Grassland Council Kentland Farm Tour; June 12, 2004

## **11. Cooperative/collaborative efforts with other faculty**

-Collaborative work with Dr. C. Navarre (School of Animal Sciences) and Dr. P. Bollich on establishing adequate management practices for pastures and beef cattle at the LSU AgCenter Central Research Station.

-Collaborative work with Dr. C. C. Williams (LSU AgCenter, School of Animal Sciences) analyzing forage samples in her laboratory, and training my Research Associates and Post-Doctoral Research Associate on different laboratory techniques.

-Collaborative work with: 1) Dr. R. Walker (LSU AgCenter, Hill Farm Research Station) on the use of baleage during the transition period to improve the performance of newly weaned calves; 2) Dr. W. Pitman (LSU AgCenter, Hill Farm Research Station) on the use of creep-grazing areas for beef calves; 3) Dr. G. Gentry (LSU AgCenter, Dean Lee Research Station) on the use of stockpiled bermudagrass for pregnant beef cows.

-Collaborative research with Dr. L. Foil (LSU AgCenter, Entomology Department) in the area of impact of stable flies on grazing behavior and performance of beef calves.

-Promote the integration between the Louisiana State University main campus (School of Animal Sciences, Food Science, Agricultural Economics and Agribusiness and School of Plant, Environmental and Soil Sciences) and the Iberia Research Station through the forage-fed project (funding from Southern SARE and AFRI/NIFA).

-Collaboration in integrated proposals submitted to AFRI with scientists and extension specialists from across the southeast (University of Kentucky, University of Arkansas, Texas A&M University, North Carolina State University, Mississippi State University, and University of Georgia).

-Collaboration with Dr. H. T. Boland (Mississippi State University, Prairie Unit) in the areas of stocker management, forage fed beef production, alternative weaning strategies and their impact on behavior and performance of beef calves, and forage resources for the Gulf Coast region.

-In the last 5 years I have increased the collaboration (towards pursuing external funds) with Drs. G. Gentry (LSU AgCenter, Idlewild Research Station); W. Pitman and R. Walker (LSU AgCenter, Hill Farm and Red River Research Station); J. Gillespie, W. Harrison, and J. Westra (LSU AgCenter, Agricultural Economics & Agribusiness); L. Fultz, J. Wang and E. Twidwell

(LSU AgCenter, School of Plant, Environmental and Soil Sciences); R. Marshall, S. Gebrelul and Y. Ghebreyessus (Southern University); and K. Soder (USDA-ARS, Pennsylvania).

-At Virginia Tech, I collaborated in the area of grazing behavior with Dr. A. Rook who was at the time the former team leader - Behavioural and Community Ecology, Institute of Grassland and Environmental Research (Devon, UK). Collaboration was in the area of grazing behavior and nutrient capture efficiency of grazing ruminants. Dr. Rook was a member in Dr. H. T. Boland's PhD committee. In the same area, I reached an agreement with Dr. K. Umemura from the National Agricultural Research Center (Toyohira, Japan) for the use of electronic collars to determine biting rate in grazing ruminants.

## **12. Community involvement (as it relates to the AgCenter mission)**

Participation at 4-H Achievement Day at St. Mary Parish and Ag Day at Iberia Parish.

### **D. SERVICE ACTIVITIES**

#### **1. Organizations advised**

Board Member Louisiana Forage and Grassland Council. 2008-2017. Organization of the Annual Meeting, define topic(s) and invited speakers.

Board member of the Louisiana Grazing Lands Conservation Coalition, member of the Grazing Lands Conservation Initiative, available at <http://www.glci.org/>. Improve communication among participating Institutions (NRCS, LSU AgCenter, stakeholders, Cattlemen's Associations, LFGC), organization of pasture walks and workshops targeting beef and forage producers across Louisiana. 2011 to present.

Louisiana Cattlemen's Association; demonstration activities at LSU AgCenter Dean Lee Research Station.

#### **2. Recruitments of students and faculty**

##### **At Virginia Tech**

-Graduate students that worked with me at Virginia Tech (S. Arriola, H. T. Boland, N. Burke, R. Franco, C. L. Pickworth, and R. L. Stewart, Jr.) and helped to recruit two students at Crop and Soils Environmental Sciences (Mr. J. Rotz and Ms. E. Yarber). After I left Virginia Tech, Mr. Arriola completed his MS under Drs. Abaye and Tracy (Department of Crop and Soil Environmental Sciences) while Mr. R. Franco completed his MS under Dr. M. Wahlberg (Department of Animal and Poultry Sciences).

Drs. Arriola, Boland, Pickworth, and Stewart continued their studies and are now PhD; Dr. Burke is a DVM.

-Search Committee for the Assistant Professor Position in Grassland Ecosystem Management at the Department of Crop and Soils Environmental Sciences (Virginia Tech). 2007. Position Type: Appointed. Dr. Benjamin Tracy was selected for this position.

-Search Committee: Animal Scientist-High Value Livestock (at Southern Piedmont Agricultural Research and Extension Center, Virginia Tech). 2007. Position Type: Appointed. Due to budget cuts the position was later eliminated.

### **At Louisiana State University Agricultural Center**

Due to my appointment at a branch Station it is very difficult to recruit graduate students. At the Station there are no facilities for students to reside; houses have been traditionally occupied by administration, other researchers, research associates, and one civil service person. It is not very convenient for a student to travel every day from campus because the Station is located 1 hour and 45 minutes from campus. Besides, the intensive data collection that my program requires needs personnel at the station every day of the week which makes it difficult for a graduate student (classes, travel) to be here as needed. I think I would have been able to recruit students if I have had the chance to give them lodging during some time of the year (i.e., Summer). One student that worked with me as a Research Associate, Mr. Jose Rodriguez, was recruited for a MS degree that he completed in 2012.

-In August 2013, I recruited Dr. Juan Solomon (PhD at Mississippi State University) to work as a Post-doctoral research associate. Dr. Solomon was hired as an Assistant Professor at the University of Nevada at Reno (August, 2014).

-Search Committee: Assistant Professor Position at the Hill Farm Research Station; this search ended up with hiring Dr. Ryon Walker (2011).

-Search Committee: Assistant Professor Position at the Dean Lee Research Station; this search ended up without any hiring (2013).

### **3. University service**

#### **At Virginia Tech**

##### 1) Department level

-Beef Cattle Facilities. 2007. Type: Committee. Position Type: Appointed.

-Applied Ruminant Nutrition. 2006. Description: Undergraduate Animal and Poultry Sciences (APSC) Curriculum Course Proposal Writing Group. Position Type: Appointed, Chair.

-Beef/Sheep Production. 2006. Service Description: Undergraduate APSC Curriculum Course Proposal Writing Group. Position Type: Appointed, Member.

-Anatomy and Physiology. 2006. Service Description: Undergraduate APSC Curriculum Course Proposal Writing Group. Position Type: Appointed, Member.

-Facilities Master Plan Committee. 2006 - 2007. Position Type: Appointed, Member.

-Research Committee. 2005 - 2007. Position Type: Appointed, Member.

-Graduate Committee. 2005 – 2007. Position Type: Appointed, Member.

-Academic Advisor for 13 Undergraduate students in the Animal and Poultry Sciences Department.

2) College level

-College of Agriculture and Life Sciences Governance Council. 2005-2007. Position Type: Elected.

-International Program Policy Committee. 2005-2007. Position Type: Elected.

-Internal Advisory Committee of the Shenandoah Valley Agricultural Research and Extension Center (Virginia Tech). 2004 – 2007. Position Type: Volunteered.

**At Louisiana State University-Agricultural Center**

-Mentoring committee for Dr. Ashley Edwards; LSU AgCenter extension coordinator for animal program.

-Dean Representative (PhD committee) for Mr. Aubry Turner. College of Human Sciences and Education; School of Education, Department of Education, Leadership, Research, and Counseling. January 2016 to February 2018 (graduated on February 27).

-Dean Representative (PhD committee) for Mr. Justin Owen. College of Music and Dramatic Arts. School of Music. September 2016 to present.

-Chair Mentoring Committee for Dr. S. Davis; Red River Research Station. May 2016 to present.

-Member of the Promotion and Tenure Unit Committee for Dr. Ryon Walker, LSU AgCenter Hill Farm Research Station (Dr. Bill Owens, Chair); September 2015.

-Evaluation of Mr. Stanley Dutile, Extension Agent (C. Hebert, Chair); May 2015.

-Livestock manager. Responsible for coordination and data entry into the State system of all data related to beef cattle located at the LSU AgCenter Iberia Research Station; 2014-present.

-LSU AgCenter Awards Committee. Awards recognize exemplary performance by faculty and staff members who consistently excel in their positions and demonstrate integrity and a strong commitment to the mission of the LSU AgCenter; December 2014.

-Beef Quality Assurance (BQA) certified; March 2013.

-Beef Planning Task Force; appointed by Dr. P. Elzer, Vice-Chancellor for Animal Programs, LSU AgCenter; 2012 to present.

-Beef ACE leader; 2011-2012.

-Participation in P&T Committees for Faculty at the AgCenter (role between parentheses): Dr. R. S. Walker, LSU AgCenter Hill Farm Research Station (Chair), Dr. G. T. Gentry, LSU AgCenter Dean Lee Research Station (member), and Dr. K. J. Han, Southeast Research Station (Member).

-Class XIII AgLeadership Program. This leadership program is designed to enhance our agriculture and communities throughout the state. The Agricultural Leadership Development Program prepares men and women (producers) dedicated to Louisiana agriculture. It is a combination of lecture-based and travel seminars throughout a two-year period. I participated in this Program representing the Louisiana Agricultural Experimental Station. Graduated from the Program on February, 2014.

-Internal AgLeadership Program. Similar to the previous program although it is dedicated to individuals working at the AgCenter with interest or with leadership characteristics that might be useful for future Administration positions. I graduated from the program in 2011.

-Member of the “Louisiana Agriculture Magazine” Editorial Board; 2009-2012.

-Member of the Louisiana State University-Agricultural Center Institutional Animal Care and Use Committee, IACUC; 2008-present.

-Currently, working towards an agreement with the International Programs Office at Louisiana State University-Agricultural Center, Fondo Ganadero de Honduras (FGH), and Zamorano College (Honduras) to improve and develop the beef cattle industry in Honduras. I participated in 2-5 day trips. The first one was to conduct an assessment of the Fondo Ganadero de Honduras’ resources for collaborative work. After agreeing with the International Programs Office that there was a real chance of doing this work, a second trip took place with the objectives of: 1) select based on production data (if available) and phenotypic characteristics the “elite” animals in the dairy and beef cattle herd that were located in Comeyagua (a ranch owned by FGH); 2) help FGH in the design and layout of the beef and dairy feeding, working, and handling facilities; and 3) visit to Zamorano College with the idea of knowing the Faculty involved in the Louisiana State University-Zamorano College agreement as well as discuss the possibility of future collaborative work with Faculty involved in Beef and Dairy Management, Reproduction, and Nutrition Programs. Reports from both trips were written and available upon request. On December 2013, I traveled again to Honduras to evaluate the progress that FGH did in the last years. A final report was prepared and submitted to International Programs and Program Leader. Future steps will be taken as soon as FGH can complete their plans.

#### **4. Professional service**

##### **Journals edited and manuscripts refereed**

-Member of the Editorial Board of the Applied Animal Science. June 2020-present.

-Member of the Editorial Board of the Crop Science (CSSA). January 2020-present.

-Associate Editor for Crop Science (Division C6); January 2017-present.

-Member of the Editorial Board of the Journal of Animal Science. 2013-2017.

-Chair/member of “Pastures and Forages” section of the Southern ASAS, “Pastures and Forages” section and “Ruminant Nutrition” section for ASAS at the national level.



-Reviewer for manuscripts in multiple journals: Journal of Animal Science, Rangeland Ecology and Management, Professional Animal Scientist/Applied Animal Science, Agronomy Journal, Crop Science, Forages and Grazinglands, Journal of Dairy Science, International Journal of Biometeorology.

-Reviewed four articles for scientists at USDA who require the articles to be reviewed previous submission.

### **Committees**

-“Ruminant Nutrition” Committee, American Society of Animal Science (2020-present).

-“Forages and Pastures” Committee of the Southern section of the American Society of Animal Science (2015-2019).

-Director (for Louisiana) of the South Central Chapter of American Registry of Professional Animal Scientists (2014-present).

-2014 ASAS Southern Section Emerging Scholar Award Committee.

-Committee for Organic and Sustainable Agriculture (Crop Science Society of America). March 19, 2012 until present.

-National Committee for “Forages and Pastures” of the American Society of Animal Science (3 years).

-National Committee for “Ruminant Nutrition” of the American Society of Animal Science (4 years; 3 as Member, 1 as Chair).

-“Forages and Pastures” Committee of the Southern section of the American Society of Animal Science (4 years; 3 as Member, 1 as Chair).

-Member of the Division C6 “Forage and Grazinglands” (Crop Science Society of America).

-Member of the “Animal Agriculture and the Environment Community” (American Society of Agronomy).

### **Multi-State Projects Participation**

-SERA41: “Beef Cattle Production Utilizing Forages in the Southeast to Integrate Research and Extension Programs across State Boundaries.” I have served as Secretary (2012), Vice-Chair (2013), and Chair (2014). In 2015 I chaired the “writing group” in charge of submitting a new SERA41 project (“Beef Cattle Production Utilizing Forages in the Southeast to Integrate Research and Extension Programs across State Boundaries: Heifer Development”) that was approved (10/1/2015) until 2019 (09/30/2019).

-W3177: “Enhancing the Competitiveness and Value of U.S. Beef.”

-NRSP3: “The National Atmospheric Deposition Program (NADP)”

**Proposals Reviewed**

**At Virginia Tech**

-Hatch Proposal Review, Dr. Américo Casas (University of Puerto Rico). 2006. Position Type: Appointed. My Role: Reviewer.

-Hatch Proposal Review, Dr. Benjamin Corl (Dairy Science Department, Virginia Tech). 2006. Position Type: Appointed. My Role: Reviewer.

-Hatch Proposal Review, Dr. Burton Staniar (Animal and Poultry Sciences Department, Virginia Tech). 2006. Position Type: Appointed. My Role: Reviewer.

**At Louisiana State University-Agricultural Center**

**Panel reviewer for SARE and NIFA**

**2020**

-Southern SARE Research and Extension Program. Two proposals.

**2017**

-Southern SARE Research and Extension Program. One proposal.

**2016**

-Southern SARE Research and Extension Program. Three proposals; two as primary reviewer.

-NIFA-Small Business Innovation Research Program-Small and Mid-Sized Farms: 1 project as primary reviewer.

**2015**

-North Central SARE Research and Extension Program: 1 project as primary reviewer.

**2013**

-Southern SARE Graduate Students Program: 12 proposals (eight as primary reviewer and four as secondary reviewer).

**2012**

-Southern SARE Graduate Students Program: 15 proposals (10 as primary reviewer and five as secondary reviewer).

-Reviewer Panel for the Beginning Farmer and Rancher Development Program of NIFA/AFRI: 14 proposals (five as primary, five as secondary, and four as tertiary).

-Reviewer Panel for the Capacity Building Program of NIFA/AFRI: 10 proposals (two as primary, three as secondary, and five as tertiary).

## **2011**

-Southern SARE Research and Extension: six proposals (four proposals as primary and two as secondary reviewer).

-Southern SARE Graduate Students Proposals: nine proposals as primary reviewer.

-Reviewer Panel for the Beginning Farmer and Rancher Development Program of NIFA/AFRI: 17 proposals (six as primary, six as secondary, and five as tertiary).

## **2010**

-Southern SARE Research and Extension: five proposals (three proposals as primary and two as secondary reviewer).

-Southern SARE Graduate Students Proposals: 14 proposals (10 proposals as primary reviewer and four as secondary reviewer).

### **Other proposals reviewed**

## **2018**

-Hatch project review: Dr. C. Jiang (LSU AgCenter School of Animal Sciences). "Epigenetic Control of Preimplantation Embryo Development: Roles of 5-mC and 6-mA."

## **2017**

-Hatch project review: Dr. G. T. Gentry (LSU AgCenter Idelwild Research Station). "Development of a toxic bait for feral swine."

## **2016**

-Hatch project review: Dr. K. McMillin (LSU AgCenter School of Animal Sciences) "Meat and muscle properties with animal production systems, processing and packaging."

-Hatch project review: Dr. R. S. Walker (LSU AgCenter Hill Farm Research Station) "Developing alternative forage-based systems for backgrounding calves to improve forage utilization and animal performance."

Hatch project review: Dr. W. Pitman (LSU AgCenter Hill Farm Research Station) "Forage varieties and management approaches to diversify Louisiana pastures for enhanced sustainability."

## **2015**

-Hatch project review: Dr. T. Lavergne (LSU AgCenter School of Animal Sciences) "Nutrition, management, and incubation of poultry."

## **2014**

-Hatch project review: Dr. R. C. Reigh (LSU AgCenter Aquaculture Research Station)  
“Nutritional factors affecting growth and skin quality of farmed American alligator.”

-Hatch project review: Dr. M. W. Alison (LSU AgCenter Macon Ridge Research Station),  
“Evaluation of crops with potential for utilization as forage and feedstock for biochemical industries.”

## **2013**

-Hatch project review: Dr. G. T. Gentry (LSU AgCenter Dean Lee Research Station, LSU AgCenter). “Effect of estrous synchronization and artificial insemination on longevity in the crossbred beef herd.”

## **2012**

-Hatch project review: Dr. M. McCormick (LSU AgCenter Southeast Research Station); “Use of agricultural by-products in pasture, hay and baleage-based diets for dairy cattle.”

-Hatch project review: Dr. G. T. Gentry (LSU AgCenter Idlewild “Bob R. Jones” Research Station); “Increasing the efficiency of assisted reproductive technologies in farmed cervids.”

## **2011**

-State project review: Dr. R. S. Walker (LSU AgCenter Hill Farm Research Station); “Cow size and its effects on feed, fertility, and production efficiency in beef production systems in Louisiana.”

## **2010**

-Hatch project review: Dr. K. H. Harborth (LSU AgCenter School of Animal Sciences): “Pre-weaning management practices and its effects on the need and duration of post-weaning management systems.”

### **Promotion and Tenure packet reviews**

#### **At Louisiana State University-Agricultural Center**

## **2017**

-Dr. K. Mullenix, Department of Animal Sciences, Auburn University; External Reviewer.

## **2015**

-Dr. Daniel Rivera, Animal and Dairy Sciences, Mississippi State University; External reviewer.

## **5. Other external and community service**

-Smithsonian Institute (2006-present); Sacred Heart Church, New Iberia (2008-2016); Sacred Heart Church, Broussard (2016-present); LSU Family Association (2014-present).