S. Leanne Dillard, Ph.D.

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Dept. of Animal Sciences/Dept. of Crop, Soil, & Environmental Sciences
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Honors and awards:

2025

- Auburn University Award for Excellence in Faculty Outreach
- Auburn University Dept. of Animal Sciences Advanced Graduate of Distinction

2024

- Auburn University College of Agriculture Dean's Research Award- Total Extramural Funding
- Auburn University College of Agriculture Dean's Research Award- Competitive Extramural Funding

2023

- Southern Section American Society of Animal Sciences- Early Career Education Award
- National Association of County Agricultural Agents. Professional Excellence. National Winner

2022

- American Forage and Grasslands Council Merit Award
- National Association of County Agricultural Agents. Communication Award- Course Modules, Regional Finalist
- Auburn University Author Award

2020

• 2020 Achievement Award – Alabama County Agricultural Agents and Specialists

2019

- College of Agriculture Project Team Award, Beef-Forage Interface Team
- Alabama Association of County Agricultural Agents. Communication Award- Publication Category, State Winner
- Alabama Association of County Agricultural Agents. Communication Award- Website Category State Winner
- Alabama Association of County Agricultural Agents. Communication Award- Bound Book State Winner.
- Alabama Association of County Agricultural Agents. Professional Excellence Award-Extension Education Poster 1st Place.
- National Association of County Agricultural Agents. Communication Award- Website Category Regional Finalist.
- National Association of County Agricultural Agents. Communication Award- Bound Book National Winner

2016

Grazing Livestock Nutrition Conference Early Career Travel Award

2013

Top Ten Outstanding Doctoral Students, Auburn University

2012

Novus International Research Award, Auburn University

Select Peer-reviewed Journal Articles:

- 1. Silva, L.H.P., Y. Zang, **S.L. Dillard,** K.J. Soder, and A.F. Brito. 2025. Partially replacing baleage with grazed forage canola in a component feeding system: effects on production performance, enteric methane emissions, and nutrient utilization in dairy cows. Animal. 19:101583. doi:10.1016/j.animal.2025.101583.
- 2. S.M. Justice, M.K. Mullenix, M.F. Chamorro, D.A. Tigue, **S.L. Dillard**, W.B. Smith, and S.P. Rodning. 2025. Extended effects of postweaning management in southeastern beef calves. Applied Animal Science 41:363-376. doi: 10.15232/aas.2024-02589.
- 3. El-Nagar, H.A. Abdelrahman, H.A. Basha, M.A. Helal, S. Mahmoud, Y.A. Attia, R.A. Alhotan, **S.L. Dillard**, H.A. Ghamry, B.S. Alotaibi, M. Shukry. 2025. Optimising rabbit performance under cyclic heat stress: effects of nano-chromium chloride on growth, immunity, antioxidant defense, and gene expression in New Zealand White and Rex breeds. Italian Journal of Animal Science 24:1060-1074. doi:10.1080/1828051X.2025.2496317.
- 4. Reiter, W.S., A.V. Gamble, H. Crowell, K.S. Balkcom, Y. Feng, **S.L. Dillard,** M.K. Mullenix, R. Prasad. 2024. Cover crop grazing length impacts on soil health and crop productivity in US Coastal Plain soils. Agronomy Journal. 116:2885-2900. doi: 10.1002/agj2.21679
- 5. Justice, S.M., M.K. Mullenix, D.A. Tigue, M. Elmore, **S.L. Dillard**, W.B. Smith, M. Runge, W.K. Kelley. 2024. Assessment of weaning and backgrounding management practices utilized by Alabama beef cattle producers. Applied Animal Science. 40:81-90.
- 6. West, M.H., W.B. Smith, M.K. Mullenix, A.N. Rabinowitz, **S.L. Dillard**. 2024. Evaluation of dual-purpose wheat varieties in the Southeast United States. Applied Animal Science 40:446-455.
- 7. Sullins, Kayla N., **S. Leanne Dillard**, David W. Held, and Elijah P. Carroll. 2023. Utility of Plant Growth-Promoting Rhizobacteria for Sustainable Production of Bermudagrass Forage. Microorganisms 11, no. 4: 863. https://doi.org/10.3390/microorganisms11040863
- 8. Thompson, S. J., J. Koebernick, L. S. Silva, M. K. Mullenix, C. Heaton, R. C. Carrell, and **S. L. Dillard**. 2023. Forage Mass and Nutritive Value of Grain- and Forage-Type Soybean Cultivars Managed under Different Row Spacings and Clipping Heights. Agronomy 13(2):487.
- Mocniak, L., K.R. Elkin, S.L. Dillard, R.B. Bryant, and K.J. Soder. 2023. Building comprehensive glucosinolates profiles for brassicas varieties. Talanta: The International Journal of Pure and Applied Analytical Chemistry. 251:123814. Doi:10.1016/j.talanta.2022.123814
- 10. Shoup, S. L., R. B. Muntifering, M. K. Mullenix, L. S. Silva, and **S. L. Dillard.** 2022. In Situ Ruminal Digestion, Fermentation Parameters, and Forage Nutritive Value of Cool-Season Baleage Ensiled under Contrasting Inoculant Strategies. Animals 12(21):2929.
- 11. Yin, J., D.M. Martinez, M.F. Chamorro, **S.L. Dillard**, and R. Cattley. 2022. Naturally occurring senna plant toxicity in an Angus cross calf. Veterinary Record Case Reports 22:e442. Doi:10.1002/vrc2.442
- 12. Billman, Eric D., **S. Leanne Dillard**, Ana Isabel Roca-Fernández, and Kathy J. Soder. 2022. Supplementation of Oilseeds to an Herbage Diet High in Condensed Tannins Affects

- Methane Production with Minimal Impact on Ruminal Fermentation in Continuous Culture. Fermentation 8, no. 3: 109. https://doi.org/10.3390/fermentation8030109
- 13. Chappell, C. N., M. L. Marks, K. M. Mason, L. S. da Silva, Joshua L. Jacobs, Mary K. Mullenix, **Sandra L. Dillard**, and R. B. Muntifering. 2022. Forage production and persistence characteristics of grazed native warm-season grass mixtures with or without nitrogen fertilizer. Grassland Research 1(3):157-165. doi: https://doi.org/10.1002/glr2.12028
- 14. Jacobs, J. L., D. B. Davis, M. K. Mullenix, J. C. Koebernick, S. M. Justice, **S. L. Dillard**, R. B. Muntifering, and R. L. Stewart. 2022. Cottonseed characteristics related to beef cattle consumption: Protein degradability, digestibility, and gossypol content. Applied Animal Science 38(5):409-416. doi: https://doi.org/10.15232/aas.2022-02304
- 15. Thompson, S.J.*, A. Jacobson, L.S. Silva, **S.L. Dillard**. 2021. Agronomic responses and sugarcane aphid pressure in warm-season annual forage mixtures. Crop, Forage, and Turfgrass Management. 2021, 20106: 1-7. doi: 10.1002/cft2.20106.
- 16. Denman, T.D., D.W. Hancock, **S.L. Dillard**, N.T. Basinger. J.D. Hale. 2021. Determining the effect of planting date and land preparation method on seedling emergence, forage mass, and forage nutritive value of forage brassica. Agronomy. 11,1184: 1-12. doi: 10.3390/agronomy11061184.
- 17. Roca-Fernández, A.I., **S.L. Dillard**, and K.J. Soder. 2020. Ruminal fermentation and enteric methane production of legumes containing condensed tannins fed in continuous culture. Journal of Dairy Science 103:7028-7038. doi: 10.3168/jds.2019-17627.
- 18. Griffin, M.E.*, R.B. Muntifering, M.K. Mullenix, D.W. Held, and **S.L. Dillard**. 2020. Evaluation of plant growth-promoting rhizobacteria on stockpiled bermudagrass. Crop, Forage, and Turfgrass Management 6:e20028. doi: 10.1002/cft2.20028.
- 19. **Dillard, S.L.**, E.D. Billman, and K.J. Soder. 2020. Assessment of forage brassica species for dairy cow and beef cattle fall grazing systems. Applied Animal Science 36:157-166. doi: 10.15232/aas.2019-01921
- 20. **Dillard, S.L.**, S.R. Smith, and D.W. Hancock. 2019. Variability of ergovaline and total ergot alkaloid expression among endophytic tall fescue. Crop Science 59:2866-2875. doi: 10.2135/crpsci2018.12.0730
- 21. El-Nagar, S.H.*, M.A. Helal, S. Mahmoud, **S.L. Dillard.** 2019. Comparative histopathological changes of liver, kidney and appendix of rabbits treated with inorganic nano-chromium to ameliorate heat stress effects. Slovenian Veterinary Research. 56:399-408. doi: 10.26873/SVR-778-2019.
- 22. **Dillard, S.L.,** A.I. Roca-Fernández, M.D. Rubano, and K.J. Soder. 2019. Evaluation of a single-flow continuous culture fermentor system for determination of ruminal fermentation and enteric methane production. Journal of Animal Physiology and Animal Nutrition 103:1313-1324. doi:10.111/jpn.13155.
- 23. Marchant, K.B., **S.L. Dillard**, C.N. Holland, B.E. Gamble, and R.B. Muntifering. 2019. Stocker cattle performance from grazed mixtures of triticale and wheat with annual ryegrass. Applied Animal Science 35:199-208. doi: 10.15232/aas.2018-01818.
- 24. **Dillard, S.L.,** D.W. Hancock, D.D. Harmon, M.K. Mullenix, P.A. Beck, and K.J. Soder. 2018. Animal performance and environmental efficiency of cool- and warm-season annual grazing systems. Journal of Animal Science. 96:3491-3502. *Invited contribution*. doi: 10.1093/jas/sky025

- 25. Ingram, S.H., **S.L. Dillard**, D.W. Hancock, and R.L. Stewart, Jr. 2018. Canola and calves: an integrated crop-livestock farming system for producing canola and stocker cattle in the Southeast. Journal of the National Association of County Agricultural Agents 11:2.
- 26. **Dillard, S.L.,** A.I. Roca-Fernández, M.D. Rubano, and K.J. Soder. 2018. Enteric methane production and ruminal fermentation of forage brassica diets fed in continuous culture. Journal of Animal Science 96:1362-1374. doi: 10.1093/jas/sky30
- 27. Hafla, A.N., K.J. Soder, A.F. Brito, R. Kersbergen, F. Benson, H. Darby, M.D. Rubano, S.L. Dillard, J. Kraft, and S.F. Reis. 2018. Winter supplementation of ground whole flaxseed impacts milk fatty acid composition on organic dairy farms in the northeastern United States. The Professional Animal Scientist 34:397-409. Selected Editor's Choice. doi: 10.15232/pas.2018-01755
- 28. **Dillard, S.L.,** A.I. Roca-Fernández, K.J. Soder, A.F. Brito, A.N. Hafla, and M.D. Rubano. 2016. Effect of including warm-season annuals with orchardgrass on ruminal fermentation and methane output in continuous culture. Journal of Dairy Science 100:1179-1188. doi: 10.3168/jds.2016-11510
- 29. **Dillard, S.L.**, A.N. Hafla, M.D. Rubano, R. Stout, and K.J. Soder. 2016. Evaluation of a rising plate meter for use in multi-species swards. Agricultural and Environmental Letters 1:160032. doi: 10.2134/ael2016.08.0032
- 30. **Dillard, S.L.,** C.W. Wood, B.H. Wood, Y. Feng, W.F. Owsley and R.B. Muntifering. 2015. Nitrogen fertilization impacts on phosphorus cycling in grazed grass-legume pasture. Agricultural Sciences 6:1115-1127. doi: 10.4236/as.2015.69107
- 31. Baxter. L.L., Hancock, D.W., W.G. Hudson, W.F. Anderson, **S.L. Dillard,** and B.M. Schwartz. 2015. Response of selected bermudagrass cultivars to bermudagrass stem maggot damage. Crop Science 55:1-8. doi: 10.2135/cropsci2015.12.0828
- 32. **Dillard, S.L.,** C.W. Wood, B.H. Wood, Y. Feng, W.F. Owsley and R.B. Muntifering. 2015. Effects of nitrogen fertilization on soil nutrient concentration and phosphatase activity and forage nutrient uptake from a grazed pasture system. Journal of Environmental Management 154:208-215. doi:
- 33. Mullenix, M.K., **S.L. Dillard**, J.C. Lin, B.E. Gamble and R.B. Muntifering. 2014. Evaluation of cool-season annual forages for stocker production in the US Gulf Coast Region. Professional Animal Scientist 30:296-304.
- 34. **Dillard, S.L.,** L. Sturgeon, W. Owsley, C. Wood, J. Holliman, and R. Muntifering. 2012. Productivity and nutritive quality of Johnsongrass (*Sorghum halepense*) as influenced by commercial fertilizer, broiler litter and interseeded white clover (*Trifolium repens*). Applied and Environmental Soil Science. Article ID 234103, 6 pages, doi:10.1155/2012/234103. *Invited contribution.* doi: 10.1016/j.jenvman.2015.02.035
- 35. Thacker, R.W., M.C. Diaz, K. Rutzler, P.M. Erwin, S.J.A. Kimble, M.J. Peirce, and **S.L. Dillard**. 2007. Phylogenetic relationships among the filamentous cyanobacterial symbionts of Caribbean sponges and a comparison of photosynthetic production between sponges hosting filamentous and unicellular cyanobacter. In: Custodio, M.R.G. Lobo-Hajdu, and G. Muricy (eds.) Porifera Research: Biodiversity, Innovation, and Sustainability, Serie Livros 28. Museu Nacional, Rio de Janerio. Pp. 621-626

Abstracts of Invited Presentations:

- 1. **Dillard, S.L.**, W.B. Smith, M.K. Mullenix, J.D. Pereira, and S.A. Suazo. 2025. Grazing coolseason annual species: effects on soil health and crop productivity. Kunkle Symposium at the Southern Section of American Society of Animal Science Conference, Arlington, TX.
- 2. **Dillard, S.L.** 2023. Cool-season annual legumes for grazing and cover crop systems. International Grassland Congress. Covington, KY.
- 3. **Dillard, S.L.** 2023. Animal and forage performance of integrated crop-livestock systems in the Gulf coast region of the U.S. International Grassland Congress. Covington, KY.
- 4. Payne, K. and **S.L. Dillard**. 2023. Forage selection for high quality hay. American Forage and Grassland Conference. Winston-Salem, NC.
- 5. **Dillard, S.L.** 2023. Using grazing strategies to manage pasture diversity. American Forage and Grassland Conference. Winston-Salem, NC.
- 6. **Dillard, S.L.** 2021. Extension programming in forages: opportunities and challenges. American Society of Animal Science Annual Meeting. Louisville, KY.
- 7. **Dillard, S.L.** 2021. Ensuring quality and quantity during the hay making process. American Forage and Grasslands Conference. Savannah, GA.
- 8. **Dillard, S.L.,** D.W. Hancock, D.D. Harmon, M.K Mullenix, P.A. Beck, and K.J. Soder. 2017. Annual forages: Influence on animal performance and water/nutrient management. American Society of Animal Science Annual Meeting. Baltimore, MD.

Select Abstracts:

- Siziba, C., D. Rigney, M.K. Mullenix, S.L. Dillard, J.P. Muir, and W.B. Smith. 2025. Effects of warm-season legume forages on rumen fermentation, in vitro digestibility and methane emissions in beef steers. Crop Science Society of America Annual Meeting, Salt Lake City, UT.
- 2. Mirahki, I.*, J. Crabtree, J. Pereira, W.B. Smith, T. Adesemoye, M.K. Mullenix, and **S.L. Dillard**. 2024. Use of plant growth-promoting rhizobacteria in bermudagrass systems of the Southeast U.S. Southern Section American Society of Animal Sciences. Louisville, KY.
- 3. Suazo, S.*, J. Pereira, M.K. Mullenix, W.B. Smith, and **S.L. Dillard**. 2024. Improving cattle grazing efficiency with multi-functional cover crops. Southern Section American Society of Animal Sciences. Louisville, KY.
- 4. Henson, M.B., P. Zessin, **S.L. Dillard**, M.K. Mullenix, W.B. Smith. 2024. Evaluate the digestibility effects of alfalfa-bermudagrass mixtures on dry matter digestibility of beef cattle in the Deep South. Southern Section American Society of Animal Sciences. Louisville, KY.
- 5. Henson, M.B.*, P. Zessin, **S.L. Dillard**, M.K. Mullenix, W.B. Smith. 2024. Evaluation of the nutritive quality of alfalfa-bermudagrass mixtures for beef cattle in the Deep South. 2024. Southern Forage and Crop Improvement Conference. Mobile, AL.
- Boone, M.L.*, R.C. Carrell, R.M. Fuller, and S.L. Dillard. 2023. Mitigation strategies for heifer development on 'Ky-31' tall fescue. Southern American Society of Animal Sciences. Raleigh, NC.
- 7. Henson, M.B.*, R.C. Carrell, **S.L. Dillard**, M.K. Mullenix, A.V. Gamble, and R.B. Muntifering. 2023. Effects of cattle removal date on sustainability of cool-season annual grazed cover crop systems. Southern American Society of Animal Sciences. Raleigh, NC.

- 8. Carrell, R.C.*, **S.L. Dillard**, M.K. Mullenix, A.V. Gamble, and R.B. Muntifering. 2022. Grazing cover crops: effects of cattle removal date on forage production and cattle performance. Southern Section American Society of Animal Science. Fort Worth, TX.
- 9. **Dillard, S.L.,** M.K. Mullenix, S.M. Justice, M.L. Marks, M.K. Stanford, and G.L. Thompson. 2022. Transitioning the Alabama bermudagrass hay summit to a virtual workshop. Southern Section American Society of Animal Science. Fort Worth, TX.
- 10. Zessin, P., J.L. Jacobs, S.M. Justice, M.K. Mullenix, **S.L. Dillard,** S.P Rodning, and D.A. Tigue. 2022. Cotton gin trash processing, quality and safety impacts on feeding recommendations for beef cattle. Southern Section American Society of Animal Science. Fort Worth, TX.
- 11. West, M.H.*, M.K. Mullenix, A.N. Rabinowitz, W.B. Smith, R.C. Carrell, and **S.L. Dillard**. 2022. Forage production and nutritive quality of dual-purpose wheat managed under three different grazing frequencies in the southeastern United States. Southern Section American Society of Animal Science. Fort Worth, TX.
- 12. South, M., **S.L. Dillard,** and D.D. Harmon. 2022. Cool-season annual forage variety selection tool for the southeastern United States. Southern Section American Society of Animal Science. Fort Worth, TX.
- 13. Silva, S.L.*, M.K. Mullenix, **S.L. Dillard**, and C.M. Vasco. 2022. Development of forage establishment and management educational resources for Alabama farmers. Southern Section American Society of Animal Science. Fort Worth, TX.
- 14. Vasco, C.M.*, S.L. Silva*, M.K. Mullenix, **S.L. Dillard**, C. Wickens, and L.K. Warren. 2022. Characterization of pasture management by horse operation purposes in Florida. Southern Section American Society of Animal Science. Fort Worth, TX.
- 15. Yin, J.H, **S.L. Dillard**, D.M. Rodrigues, M. Chamorro Ortega, R. Cattley. 2021. A case of Senna plant (Cassia occidentalis, Cassia obtusifolia) poisoning in a 4-month old heifer. Annual American College of Veterinary Pathologists Meeting. Virtual meeting.
- 16. Yin, J.H, **S.L. Dillard**, D.M. Rodrigues, M. Chamorro Ortega, R. Cattley. 2021. A case of Senna plant (Cassia occidentalis, Cassia obtusifolia) poisoning in beef cattle. Annual American College of Veterinary Pathologists Meeting. Virtual meeting.
- 17. West, M.H.*, R.C. Carrell, and **S.L. Dillard**. 2021. Evaluating dual-purpose wheat varieties in the Southeastern U.S. American Society of Animal Scientists National Meeting. Louisville, KY.
- 18. Carrell, R.C.*, **S.L. Dillard**, M.K. Mullenix, A.V. Gamble, and R.B. Muntifering. 2021. Grazing cover crops: effects of cattle removal date on forage production and cattle performance. American Society of Animal Science National Meeting. Louisville, KY.
- 19. Thompson, S.J.*, J. Koebernick, R.C. Carrell, M.L. Cole, and **S.L. Dillard**. 2021. Evaluation of soybean cultivars for forage yield and nutritive qualities. Equine Science Society National Meeting. Virtual.
- 20. Held, D.W., K. Sullins, and **S.L. Dillard.** 2021. Influence of plant-growing promoting rhizobacteria on herbivores and soil arthropods in bermudagrass pastures. Entomological Society of America National Meeting. Denver, CO.
- 21. Jacobs, J.L., M.K. Mullenix, R.B. Muntifering, **S.L. Dillard**, and R.C. Carrell. 2021. Evaluation of whole cottonseed intake and in situ digestibility in beef cattle. Southern Section of the American Society of Animal Scientist Meeting. Louisville, KY.

- 22. Thompson, S.J.*, **S.L. Dillard**, A. Jacobson. 2021. Evaluating soybean cultivars for forage yield and nutritive value. Southern Section of the American Society of Animal Scientist Meeting. Louisville, KY.
- 23. Silva, L.S.*, M.K. Mullenix, **S.L. Dillard,** J.T. Tucker, and G.L. Thompson. 2021. Development of Extension educational resources amid COVID-19 pandemic: 'Alfalfa in the South' program- a case study. Southern Section of the American Society of Animal Scientist Meeting. Louisville, KY.
- 24. Cole, M.L.*, M.K. Mullenix, R.B. Muntifering, D.W. Held, and **S.L. Dillard.** 2021. Plant growth-promoting rhizobacteria: effects on yield and nutritive quality of 'Russell' bermudagrass and 'KY31' tall fescue. Southern Section of the American Society of Animal Scientist Meeting. Louisville, KY.
- 25. Davis, C.B.*, R.C. Carrell, S.J. Thompson, M.L. Cole, and **S.L. Dillard**. 2021. Equine in vitro digestibility using different cecal fluid dilutions. Southern Section of the American Society of Animal Scientist Meeting. Louisville, KY.
- 26. West, M.H.*, M.K. Mullenix, A.N. Rabinowitz, W.B. Smith, R.C. Carrell, and **S.L. Dillard**. 2021. Evaluation of dual-purpose wheat varieties in the Southeastern U.S. Auburn University College of Agriculture Graduate Student Symposium and Competition. Auburn, AL.
- 27. Carrell, R.C., M.K. Mullenix, A.V. Gamble, and **S.L. Dillard**. 2021. Forage and animal performance of steers grazing cover crops in a cotton-peanut rotation. Auburn University College of Agriculture Graduate Student Symposium and Competition. Auburn, AL.
- 28. Davis, C.B.*, R.C Carrell, S.J. Thompson, M.L. Cole, and **S.L. Dillard**. 2021. Using various cecal fluid dilutions for equine in-vitro digestibility determination. Auburn University Undergraduate Student Research Symposium. Auburn, AL.
- 29. Thompson, S.,* **S.L. Dillard**, A. Jacobson, J. Koebernick, G. Parks, and M.K. Mullenix. 2020. Yield and nutritive quality of summer annual forage mixtures. Southern Section American Society of Animal Science Meeting. Chattanooga, TN.
- 30. Cole, M.,* M.E. Griffin, **S.L. Dillard**, M.K. Mullenix, R.B. Muntifering, and D.W. Held. 2020. Effects of plant growth-promoting rhizobacteria on fall-stockpiled bermudagrass. Southern Section American Society of Animal Science Meeting. Chattanooga, TN.
- 31. Shoup, S.L.,* M.K. Mullenix, **S.L. Dillard**, and R.B. Muntifering. 2020. Fermentation kinetics of different cool-season annual mixtures with or without silage inoculant. Southern Section American Society of Animal Science Meeting. Chattanooga, TN.
- 32. Carrell, R.C.,* **S.L. Dillard**, M.K. Mullenix, A.V. Gamble, and R.B. Muntifering. 2020. Effects of grazing cool-season cover crops on forage and animal performance. Southern Section American Society of Animal Science Meeting. Chattanooga, TN.
- 33. Shoup, S.L.,* R.B. Muntifering, M.K. Mullenix, and **S.L. Dillard**. 2019. Agronomic and nutritive value of cool-season annual mixtures for baleage production. University of West Alabama Research Symposium, Livingston, AL.
- 34. Greer, W.B.,* **S.L. Dillard**, and J.A. Tredaway. 2019. Setaria parviflor control in tall fescue. Southern Weed Science Society Meeting. New Orleans, LA.
- 35. **Dillard, S.L.**, S.L. Shoup, R.B. Muntifering, and M.K. Mullenix. 2018. Agronomic and nutritive value of cool-season annual mixtures for baleage production. Auburn University Faculty Research Symposium.

- 36. Shoup, S.L.*, **S.L. Dillard**, R.B. Muntifering, and M.K. Mullenix. 2018. Forage yield and quality of cool-season annual mixtures for baleage production in Alabama. Auburn University College of Agriculture Graduate Student Symposium and Competition. Auburn, AL.
- 37. Griffin, M.E.,* **S.L. Dillard**, R.B. Muntifering, M.K. Mullenix, and D.W. Held. 2018. Evaluating the effects of PGPR and nitrogen fertilizer on stockpiled bermudagrass. Auburn University College of Agriculture Graduate Student Symposium and Competition. Auburn, AL.
- 38. **Dillard, S.L.**, M.D. Rubano, K.R. Elkin, and K.J. Soder. 2017. Productivity, nutritive quality, and glucosinolate concentration of three brassica varieties for use in pasture-based systems. American Society of Agronomy, Crop Science Society of America and Soil Science Society of America Annual Meetings. Tampa, FL.
- 39. **Dillard, S.L.,** A.I. Roca-Fernández, M.D. Rubano, K.R. Elkin, and K.J. Soder. 2017. Enteric methane production and ruminal fermentation from forage brassica diets fed in continuous culture. Annual American Society of Animal Science Meeting. Baltimore, MD.
- 40. Roca-Fernández, A.I., **S.L. Dillard**, M.D. Rubano, C.J. Dell, J. MacAdam, and K.J. Soder. 2017. Effect of oilseed source on ruminal fermentation and methane production of a grass-legume diet in continuous culture. Annual American Society of Animal Science Meeting. Baltimore, MD.
- 41. Roca-Fernández, A.I., **S.L. Dillard**, M.D. Rubano, M. Baldwin, C.J. Dell, J. MacAdam, and K.J. Soder. 2017. Modification of ruminal fermentation and methane production by adding legumes containing condensed tannins to an orchardgrass diet in continuous culture. Annual American Dairy Science Society Meeting. Pittsburgh, PA.
- 42. **Dillard, S.L.**, A.I. Roca-Fernández, M.D. Rubano, and K.J. Soder. 2016. Nutritive quality and forage yield of three brassica varieties for use in livestock grazing systems. National Animal Science Meeting. Salt Lake City, UT.
- 43. **Dillard, S.L.,** A.N. Hafla, A.I. Roca-Fernández, A.F. Brito, M.D. Rubano, and K.J. Soder. 2016. Effect of summer annuals on ruminal fermentation and methane output in continuous culture. National Animal Science Meeting. Salt Lake City, UT.
- 44. **Dillard, S.L.,** W.F. Owsley, C.W. Wood, B.H. Wood, C.J. Weissend, R.B. Muntifering. 2013. Foliar uptake and utilization of phosphorus by grazing cattle as influenced by nitrogen fertilization regime. Joint-Annual Meeting of ADSA-ASAS. Indianapolis, IN.
- 45. **Dillard, S.L.,** W.F. Owsley, C.W. Wood, B.H. Wood, C.J. Weissend and R.B. Muntifering. 2013. Forage productivity, phosphorus uptake and soil phosphatase activity in a cool-season pasture as influenced by nitrogen fertilization. American Society of Animal Science Orlando, FL.
- 46. **Dillard, S.L.,** W.F. Owsley, C.W. Wood, Y. Feng, B.H. Wood and R.B. Muntifering. 2012. Soil phosphatase activity and foliar uptake of phosphorus as influenced by nitrogen fertilization regime in a grazed pasture system. American Society of Agronomy, Crop Science Society of America and Soil Science Society of America Annual Meetings. Cincinnati, OH.
- 47. **Dillard, S.L.**, W.F. Owsley, C.W. Wood, B.H. Wood and R.B. Muntifering. 2012. Phosphorus release from fecal pats in grazed pasture as influenced by nitrogen fertilization regime. American Society of Agronomy, Crop Science Society of America and Soil Science Society of America Annual Meetings. Cincinnati, OH.

- 48. **Dillard, S.L.,** W.F. Owsley, C.W. Wood, B.H. Wood and R.B. Muntifering. 2012. Foliar uptake and utilization of phosphorus by grazing cattle as influenced by nitrogen fertilization regime. American Society of Animal Science, National Meeting. Phoenix, AZ.
- 49. Smith, W.B., R.B. Muntifering, E. van Santen, **S.L. Dillard**, E.A. Guertal, and D.M. Ball. 2012. Evaluation of forage quality predictors in early- and late-maturing cultivars of annual ryegrass (Lolium multiforum Lam.). American Society of Animal Science, National Meeting. Phoenix, AZ.
- 50. **Dillard S.L.,** L.E. Sturgeon, C.W. Wood, J.L. Holliman, R.B. Muntifering, and W.F. Owsley. 2010. Productivity and nutritive quality of Johnsongrass as influenced by interseeded ladino clover and fertilization with commercial fertilizer or broiler litter. American Society of Animal Science, Southern Section Meeting. Orlando, FL.
- 51. **Dillard, S.L**. 2009. Productivity and nutritive quality of Johnsongrass as influenced by interseeded ladino clover and broiler litter fertilization. Auburn University, Graduate Scholars Forum. Auburn, AL.
- 52. **Dillard, S.L.**, L.E. Sturgeon, C.W. Wood, J.L. Holliman, R.B. Muntifering, and W.F. Owsley. 2009. Productivity and nutritive quality of tall fescue spring growth as influenced by interseeded ladino clover and fertilization with commercial fertilizer or broiler litter. American Society of Animal Science, Southern Section Meeting. Atlanta, GA.
- 53. Cline, M.K., E.J. Bungenstab, J.L. Holliman, A.C. Pereira, **S.L. Dillard**. 2009. Productivity and nutritive quality of tall-fescue spring growth as influenced by source, application schedule, and harvest date. American Society of Animal Science, Southern Section Meeting. Atlanta, GA.

Patents and inventions:

- 1. Held, D., J. Kloepper, J. McInroy, R. Muntifering, M. Griffin, and **S.L. Dillard**. 2018. Provisional patent for PGPR DH44 for use in pasture and turfgrass.
- 2. Soder, K.J., K.R. Elkin, **S.L. Dillard**, D. Bookhamer, and M.D. Rubano. 2017. The Muchinator. Patent. USDA-ARS Invention Disclosure, Docket Number 10125.17. Log #345920

Select Grants and Contracts Received:

- 1. Dubeux, J., I. Bretas, L. Garcia, K. Mullenix, **S.L. Dillard**, J. Elmore. 2024. Year-Round Grazing Systems for the Lower Coastal Plain Using Stockpiled Limpograss. Southern Sustainable Agriculture Research and Education (SARE) Research Grant Program. \$450,000. *Auburn Subaward:* \$55,489. *Role: Extension and on-farm research.*
- 2. Smith, W.B., M.K. Mullenix, and **S.L. Dillard**. 2024. A multi-faceted approach to methane reduction and environmental sustainability of forage-based beef cattle operations. USDA NRCS Conservation Innovation Grant. \$1,285,978.
- 3. DiLorenzo, N., L. Gracia, K. Jeong, J. Dubeux, L. Silva, M. Aguerre, E. Duin, S. Mansoorabadi, W.B. Smith, and **S.L. Dillard**. 2023. Reducing enteric methane emission from ruminants. USDA NIFA Sustainable Agricultural Systems (SAS) Program. \$5,000,000. *Auburn Subaward:* \$1,567,645, Role: Lead multi-state Extension programming
- 4. Mullenix, M.K. and **S.L. Dillard**. 2023. On-farm grazing systems can stockpiled bahiagrass add 30-45 days of grazing to your program? Alabama Cattleman's Association. \$10,000. *Role: Research facilitator*

- 5. Held, D.W., T. Adesemoye, and **S.L. Dillard**. 2023. Factor effecting the success of biofertilizers in bermudagrass pastures. Alabama Cattleman's Association. \$9,018. Role: Research facilitator
- 6. **Dillard, S.L.,** W.B. Smith, M.K. Mullenix, M. Wolfe, and J. Dubeux. 2022. Grazing diversified cover crops as an alternative to improve land-use efficiency and sustainability in the Southeast. Southern Sustainable Agriculture Research and Education (SARE) Research and Education Program. \$380,000. *Role: Lead Pl*
- 7. Smith, W.B., **S.L. Dillard**, J. Muir, T. Callaway, and M.K. Mullenix. 2022. Reducing the environmental impact of beef production through the use of naturally-occurring secondary plant metabolites in southeastern forage systems. Southern Sustainable Agriculture Research and Education (SARE) Research and Education Program. \$400,000. *Role: Extension coordinator*
- 8. Keyser, P. J. Fike, T. Sexton, M. Castillo, L. Silva, **L. Dillard**, J. de Koff, J. Smith, K. Johnson, H. Naumann, D. Phillip, D. Reed, J. Stine, G. Thoma, P. Goeringer, and S. Werth. 2022. Climate Smart Grasslands- the Root of Agricultural Carbon Markets. USDA-NRCS. *Auburn Subaward:* \$796,880, 5 yr. Role: Alabama research leader
- 9. **Dillard, S.L.,** W. B. Smith, D.W. Held, M.K. Mullenix, A. Sanz, A. Rabinowitz, W.K. Kelley, Z. Noel, R. Oakes-Nave. 2022. A systems approach to perennial forage management using plant growth-promoting rhizobacteria. USDA-NIFA AFRI Foundational. *\$749,560. Role: Lead Pl*
- 10. Schmutz, J., S. Peresin, **S.L. Dillard**, K. Dunning, et al. 2022. Greening the Southeast: Converting carbon neutral crops to sustainable consumer goods while building a diverse agriscience workforce and reviving rural economies. NSF Engines: Type-1 Planning Grant. \$1,000,000. *Auburn subaward* \$89,691. *Role: Forage Extension coordinator.*
- 11. Tucker, J.T., M.K. Mullenix, C. Prevatt, L.S. Silva, **S.L. Dillard**, T. Callaway, L.L. Baxter. 2021. Alfalfa nutrient preservation, utilization and cycling in southeastern livestock systems. \$680,947, 3 yr. *Auburn Subaward*: \$246,000. *Role: Livestock digestibility research coordinator*
- 12. **Dillard, S.L.**, M.K. Mullenix, and L. Silva*. 2020. Development of a forage establishment and management curriculum for Alabama producers and Extension agents. Southern Region Sustainable Agriculture Professional Development Grant. \$77,440, 2 yr. *Role: Organize and implement program*
- 13. **Dillard, S.**L., M.K. Mullenix, L.S. Silva*, D. Russell, R. Prasad, A.V. Gamble, M. Elmore, S. Rodning, J. Sawyer, J. Kelton, A. Rabinowitz, W. Sawadgo, M. Runge, W.K. Kelley, S. Thomas, and A. Tigue. 2020. Master Your Business: An online certificate course for forage and livestock farmers. \$49,779, 18 months. *Role: Course development coordinator*
- 14. Mullenix, M.K., L.S. Silva, **S.L. Dillard**, M. Agar, J. Elmore, K, Palmer, W.K. Kelley. 2021. Forage production and quality of stockpiled bahiagrass pastures managed under contrasting strategies in Alabama. Alabama Cattleman's Association. \$10,000, 2 yr. *Role: Provide research and statistical support*
- 15. Mullenix, M.K., J. Elmore, L.S. Silva, **S.L. Dillard**. 2021. Overseeding bahiagrass pastures to extend the grazing season and improve sustainability in forage systems. Alabama Cattleman's Association. \$10,000, 2 yr. *Role: Provide research and statistical support*

- 16. Mulvaney, D., W. Bergen, T. Brandebourg, **S.L. Dillard**, A. Staiger, P. Dyce, S. Mosia, M.K. Mullenix, and R.B. Muntifering. 2020. A sustainable, efficient, profitable beef production future. USDA-NIFA: National Needs Fellowship. \$246,000. *Role: Provide guest lectures and research opportunities*
- 17. Guertal, E., **S.L. Dillard**, M.K. Mullenix, and A.V. Gamble. 2020. Potassium fertilization for bermudagrass forage production. Alabama Cattleman's Association Research Grant. \$17,260, 2 yr. *Role: Provide research and statistical support*
- 18. **Dillard, S.L.,** M.K. Mullenix, M. Runge, W.K. Kelley, A.V. Gamble, R. Prasad, D. Russell, K. Kesheimer, and M.K. Stanford. 2020. Development of an on-line 'Forage Basics' course for livestock and forage producers. Southern Extension Risk Management Education. \$49,608, 2 yr. *Role: Develop and organize online course and organize release to public*
- 19. **Dillard, L.**, R. Muntifering, and D. Held. 2019. Biofertilization of bermudagrass: a step toward sustainable forage production. Southern SARE. \$221,208,3 yr. *Role: Lead researcher and Extension activities coordinator*
- 20. Harmon, D. and **L. Dillard.** 2019. Development of agronomic guidelines for cool-season annual baleage in the Southeast. Southern SARE. \$270,936; 3 yr. Auburn Subaward: \$106,415. *Role: Alabama data collection and Extension coordinator*
- 21. Gamble, A., K. Mullenix, R. Prasad, **S.L. Dillard**, and Y. Feng. 2018 Guidance for grazing winter cover, animal performance, soil health, and cash crop production. USDA-NRCS contract. \$231,651, 4 yr. *Role: Forage and cattle management, graduate student advisor, graduate student committee, data management, data summarization, Extension coordinator*
- 22. Held, D., R. Muntifering, and **S.L. Dillard**. 2018. On-farm demonstration of biofertilization in pastures, Alabama Cattlemen's Association. \$10,000, 2 yr. *Role: Data collection and summarization, graduate student advisor, Extension coordinator*
- 23. **Dillard, S.L.,** K.J. Soder, A. Brito, M. Hautau, and M. Haan. 2015. Forage Brassicas to mitigate methane emissions and increase economic sustainability of forage-based dairy cattle production systems. NE Regional Sustainably Agriculture Research and Education Grant. \$197,953, 3 yr. *Role: Data collection and summary, Extension coordinator, and manuscript submission*
- 24. Brito, A., K.J. Soder, and **S.L. Dillard**. 2015. Research and educational approaches to guide dairy farmer decisions about kelp meal supplementation in the Northeast. \$198,500, 3 yr. *Role: Data collection and summary, manuscript co-author*

Extension

National/Regional Conferences Hosted:

- 1. 2025 Southern Pasture and Forage Crop Improvement Conference
 - Coordinated, organized event hosted by Texas A&M University
 - Dillard, Chair of Southern Pasture and Forage Crop Improvement Council
- 2. 2024 American Forage and Grassland Council Annual Conference
 - Dillard, Chair Program Planning Committee
 - Dillard/Mullenix, co-chair Tour
- 3. 2021 Southern Pasture and Forage Crop Improvement Conference
 - Coordinated, organized, and hosted by Dillard

- Held virtually due to COVID
- Total of 82 participants including graduate students, faculty, and Extension professionals from around the Southeast

Statewide Workshops:

- 1. **Dillard, S.L.** 2025. Alabama Grazing Academy. Lauderdale County, Lexington, AL. n = 41.
- 2. **Dillard, S.L.** 2023. Alabama Grazing Academy. Coffee County, New Brockton, AL. n = 26
- 3. Dillard, S.L. 2022. Alabama Grazing Academy. Genva County, Geneva, AL. n = 18
- 4. **Dillard, S.L.** 2021. Alabama Forage Conference. A.W. Todd Center, Russellville, AL (converted to virtual due to COVID). n = 26. *Role: Coordinate and present*
- 5. **Dillard, S.L**. 2021. Alabama Grazing Academy. 2021. Pike County, AL. n = 23; *Coordinate and present*
- 6. **Dillard, S.L.** 2019. Alabama Forage Conference. Joe Wheeler State Park, Rogersville, AL n = 105; *Role: Coordinate and presenter*
- 7. **Dillard, S.L.** 2019. Alabama Forage Conference Pre-conference Tour. Tennessee Valley Research and Extension Center, Belle Mina, AL. n = 75; *Role: Coordinate and presenter*
- 8. **Dillard, S.L.** 2019. Alabama Grazing Academy. Perdido River Rivers, Perdido, AL. n = 26; *Role: Coordinate and presenter*
- 9. **Dillard, S.L.** 2019. Alabama Grazing Academy. Chilton County Research and Extension Center, Clanton, AL. n = 17; *Role: Coordinate and presenter*
- 10. **Dillard, S.L.** 2018. Alabama Grazing Academy. Tennessee Valley Research and Extension Center, Belle Mina, AL. n = 26; *Role: Coordinate and presenter*
- 11. **Dillard, S.L.** 2017. Alabama Forage Conference. Lakepoint State Park, Eufaula, AL. n = 84; *Role: Co-coordinate and presenter*
- 12. **Dillard, S.L.** 2017. Alabama Forage Conference Pre-Conference Tour. Wiregrass Research and Extension Center, Headland, AL. n = 84; *Role: Co-coordinate and presenter*

Extension Agent In-Service Trainings:

- 1. Silva, L., **S.L. Dillard**, and M. Wallau. Southeast Forage Agent Training. n = 48. Role: Cochair and moderator.
- 2. **Dillard, S.L.** 2022. Keeping perennial grasses for years to come. Southeastern Extension Agent In-service Training. n = 74.
- 3. **Dillard, S.L.,** M.K. Mullenix, and M.K. Stanford. Bahiagrass Management. 2019. Joint Alabama Cooperative Extension and Clemson Extension Training. n = 37.
- 4. **Dillard, S.L**. and M.K. Mullenix. 2019. Rotational Grazing Management. Joint Alabama Cooperative Extension and Clemson Extension Training. n = 37.
- 5. Dillard, S.L. 2018. Cool-season annuals for extending the fall grazing season. 2018. Southern Extension Specialist Webinar Series. *Invited Presentation*.
- 6. **Dillard, S.L.** 2017. USDA Natural Resources Conservation Service Ecology of Grazing Land Systems/ ACES Joint Training Series. 4 hands-on, two-day workshops.

Outreach Publications:

Books

- 1. Mullenix, K., **S. Dillard**, L. Silva, J. Dubeux, J. Tucker, L. Baxter, C. Prevatt, E. Santos and L. Garcia. 2023. Legumes in the South Booklet. Forage and Grassland Foundation. Berea, KY.
- 2. Silva, L.S.; **Dillard, S.L.**; Mullenix, M.K; Wallau, M.; Vasco, C.; Tucker, J.J; Keishmer, K.; Russell, D.; Kelley, K.; Runge, M.; Gamble, A.; Prasad, R.; Elmore, M.; Burns, M; Stanford, K.; Niyigena, V; Wickens, C.; Sawadgo, W.; Heaton, C. 2021. Concepts and research-based guidelines for forage-livestock systems in the Southeast region. Supported by the 2021 Southern Region SARE Professional Development Grant.
- 3. **Dillard, S.L.,** A. Rabinowitz, A.V. Gamble, D. Russell, J. Sawyer, K. Kesheimer, W.K. Kelley, M.K. Mullenix, S.L. Dillard, L.S. Silva, M. Runge, R. Prasad, and S. Rodning. 2021. Alabama Forage Guide. ANR-2845.
- 4. Mullenix, K., S. Rodning, L. Kriese-Anderson, M. Elmore, B. Goodrich, **S.L. Dillard**, K. Kelly, M. Runge, A. Tigue, R. Prasad, and K. Stanford. 2018. Alabama Beef Handbook. ANR-1323. *National NACAA Communications Award Winner*.
- 5. Mullenix, K., E. Brantley, M. Elmore, S. Rodning, J. Elmore, G. Thompson, **S.L. Dillard**, W. Prevatt, C. Prevatt, and K. Kelly. 2017. Alabama Beef Systems Management Handbook. ANR-2440.

Peer-reviewed Articles:

- 1. Zessin, P., C. Vasco, J. Elmore, K. Mullenix, and L. Dillard. 2022. Overseeding perennial pastures and hayfields with cool-season annuals. ANR-2922.
- 2. Vasco, C.*, M. Justice, M. Agar, K. Mullenix, and **S.L. Dillard**. 2022. Stockpiling warm-season perennial grasses. ANR-2897.
- 3. Walker, M.*, C. Vasco, L.S. Silva, and **S.L. Dillard**. 2021. Decreasing the costs of feeding horses. ANR-0849.
- 4. Walker, M.E.*, L.S. Silva, and **S.L. Dillard.** 2021. Reading the feed tag. Alabama Cooperative Extension. ANR-1354.
- 5. Silva, L.S.*, M.E. Griffin, **S.L. Dillard**, and M.K. Mullenix. 2021. Measuring forage mass to adjust stocking rate. Alabama Cooperative Extension. ANR-2751.
- 6. Boyd, B., P. Moss, and **S.L. Dillard**. 2021. Management and Care of the Dry Dairy Cow. Alabama Cooperative Extension. ANR-0289.
- 7. Silva, L.*, M.K. Mullenix, **S.L. Dillard**, K. Kesheimer, and D. Russell. 2020 Alfalfa in Bermudagrass Systems: Establishment and Management. Alabama Cooperative Extension. ANR-2631.
- 8. Silva, L.*, M.K. Mullenix, **S.L. Dillard**, and D. Russell. 2020. Rhizoma Perennial Peanut. Alabama Cooperative Extension. ANR-2737.
- 9. Silva, L.*, **S.L. Dillard,** M.K. Mullenix, and M.E. Griffin*. 2020. Grazing Management Impacts on Forage Systems. Alabama Cooperative Extension ANR-2675.
- 10. **Dillard, S.L.,** C. McCall, and L. Silva. 2020. Economic Importance of Providing Quality Hay to Horses. Alabama Cooperative Extension ANR-1471.
- 11. Silva, L.*, M.K. Mullenix, **S.L. Dillard**, K. Kesheimer, and D. Russell. 2020. Alfalfa Establishment and Management. Alabama Cooperative Extension ANR-2687.
- 12. Walker, M.*, L. Silva*, C. McCall, and **S.L. Dillard**. 2020. 11 Rules for Feeding Horses. Alabama Cooperative Extension ANR-1355.

- 13. Griffin, M.E.*, L. Silva, **S.L. Dillard**, M.K. Mullenix, K. Kesheimer, and D. Russell. 2020. Bahiagrass in Alabama. Alabama Cooperative Extension ANR-2666.
- 14. **Dillard, S.L.,** M.E. Griffin, K. Keishemer, D. Russell, and M.K. Mullenix. 2020. Bermudagrass in Alabama. Alabama Cooperative Extension ANR-2631.
- 15. **Dillard, S.L.,** K. Mason, M.K. Mullenix, and D.M. Ball. 2019. Alabama Planting Guide for Forage Legumes- Revision. ANR-0150.
- 16. Dillard, S.L. 2019. Marketing Alfalfa-bermudagrass to horse owners. ANR 2580.
- 17. Mullenix, M.K., **S.L. Dillard**, and G. Thompson. 2019. Stocking rates for cow-calf operations in Alabama. ANR-2554.
- 18. **Dillard, S.L.**, C. Chappell, and D.M. Ball. 2019. Alabama Planting Guide for Forage Grasses-Revision. ANR-0149.
- 19. **Dillard, S.L.,** J. Gladney, J. Elmore, G. Thompson, S. Enloe. 2019. Thistle control in pastures and hayfields- Revision. ANR-2145.
- 20. **Dillard, S.L.,** Blount, A., M. Wallau, B. Sellers, D. Hancock, J. Debeux, C. Mackowiak, J. Vendramini, and C. Cooper. 2019. Brunswickgrass: A weed in Southern Pastures and Bahiagrass Seed Fields. ANR- 2537.
- 21. Keyser, P.D. (UT), D.W. Hancock (UGA), M.L. Marks (ACES), and S.L. Dillard (ACES). 2019. Establishing Native Grass Forages in the Southeast. University of Tennessee Extension Publication. PB 1873.
- 22. **Dillard, S.L.**, J. Gladney, J. Elmore, G. Thompson, S. Enloe. 2019. Control of Blackberry and Dewberry in Pastures and Hayfields- Revision. ANR-2145.
- 23. **Dillard, S.L.,** M.K. Mullenix, S. Rodning. 2019. Animal, Forage, and Feed Management Following a Flood Event. ANR-2536.
- 24. **Dillard, S.L.,** K. Mullenix, J. Gladney, and S. Shoup*. 2018. Producing and Feeding Baleage in Alabama. ANR-2511. *Alabama NACAA Communications Award Winner*.
- 25. Mullenix, K., **S.L. Dillard**, and C. Holland. 2018. Prussic Acid Poisoning of Livestock. ANR 2473.
- 26. Blount, A., M. Wallau, B. Sellers, D. Hancock, **S.L. Dillard**, J. Debeux, C. Mackowiak, J. Vendramini, and C. Cooper. 2018. Brunswickgrass or *Paspalum nicorae*: A weed Contaminant in Southern Pastures and Bahiagrass Seed Production Fields. University of Flordia-IFAS Extension AGR-405.
- 27. Mullenix, K. and S.L. Dillard. 2018. Interpreting a Forage Analysis for Beef Cattle. ANR 2466.
- 28. Mullenix, K. and **S.L. Dillard**. 2017. Forage Systems for Cow-Calf Operations in South Alabama. ANR 2432.
- 29. Mullenix, K. and **S.L. Dillard**. 2017. Forage Systems for Cow-Calf Operations in Central Alabama. ANR 0155.
- 30. Mullenix, K. and **S.L. Dillard**. 2017. Forage Systems for Cow-Calf Operations in North Alabama. ANR 2431.

Select Service

University Service

- 1. Women's Initiatives and Gender Equality Council Steering Committee, 2022-Present
- 2. Muslim Student Association, Faculty Advisor, 2023-2025
- 3. Auburn University International Student Organization Advisory Council, 2025-Present

Societal Activities and Leadership

- 1. Vice-chair, Forage and Grazinglands, Crop Science Society of America (2026)
- 2. Chair, Southern Pasture and Forage Crop Improvement Conference (2025)
- 3. SE Hay Contest Executive Committee (2018-2023; Chair 2023)
- 4. Vice-Chair, Southern Pasture and Forage Crop Improvement Conference (2023)
- 5. SERA 41 and Kunkle Symposium Committee, 2020 -2024 (Chair- 2023)
- 6. Member, National Forage Quizbowl Committee, 2017 Present
- 7. Board of Directors, American Forage Foundation, 2020 2022
- 8. Judge, National Forage Quizbowl, 2017
- 9. Judge, American Society of Animal Science Southern Section Academic Quadrathalon Oral Competition, 2015
- 10. Graduate Director, Executive Board of the American Society of Animal Science Southern Section, 2011-2012

Editorial Activities

- 1. 2021- 2024- Associate Editor, Forage and Grassland Science
- 2. 2020-2023- Associate Editor of Sustainability and Integrated Systems, Applied Animal Science