

I. Academic/Professional Background

A. Basic information

Merritt Drewery
Assistant Professor, Animal Science
Department of Agricultural Sciences
Texas State University

PhD 2017 Louisiana State University Nutrition & Food Science

Dissertation: Maternal fatty acid and inflammatory status during pregnancy are related to infant heart rate and heart rate variability

MS 2012 Texas A&M University Animal Science

Thesis: Post-extraction algal residue as a protein supplement to cattle consuming forage

BS 2010 Texas A&M University Animal Science

B. University Experience

Assistant Professor (*currently under review for tenure and promotion*)
Department of Agricultural Sciences
Texas State University
August 2019 – Present
Appointment: 75% teaching, 25% research

Research Assistant
Department of Nutrition & Food Sciences
Louisiana State University
January 2013 – August 2017

Research Assistant & Laboratory Manager
Department of Animal Science
Texas A&M University
January 2011 – December 2012

Teaching Assistant
Department of Animal Science
Texas A&M University
August 2011 – December 2012

C. Relevant Professional Experience

Nutrition, Research, & Quality Supervisor
Grober Nutrition, LLC
August 2017 – July 2019

D. Other Professional Credentials (licensure, certification, etc.)

1. Institutional Biosafety Committee Member Training. CITI Program. October 2021.
2. USF Grant Writing Certificate. University of South Florida, Corporate Training & Education Program. July 2021.
3. Principal Investigator or Key Personnel participating in NSF, NIH, or USDA funded research. CITI Program. June 2021.
4. Human Research, Social and Behavioral Research, Basic Course. CITI Program. Nov 2020.

5. Basic Biosafety, Biosafety/Biosecurity (including animals). Aug 2019.
6. Human Research, Biomedical Research Investigators and Key Personnel, Basic Course, CITI Program. Aug 2019.
7. Occupational Health and Safety Program, Basic Course. CITI Program. Aug 2019.
8. Working with Cattle in Agricultural Research Settings. CITI Program. Aug 2019.
9. Working with Sheep and Goats in Research Settings. CITI Program. Aug 2019.
10. Working with the IACUC; Investigators, Staff, and Students: Basic Course. CITI Program. Aug 2019.

II. Teaching

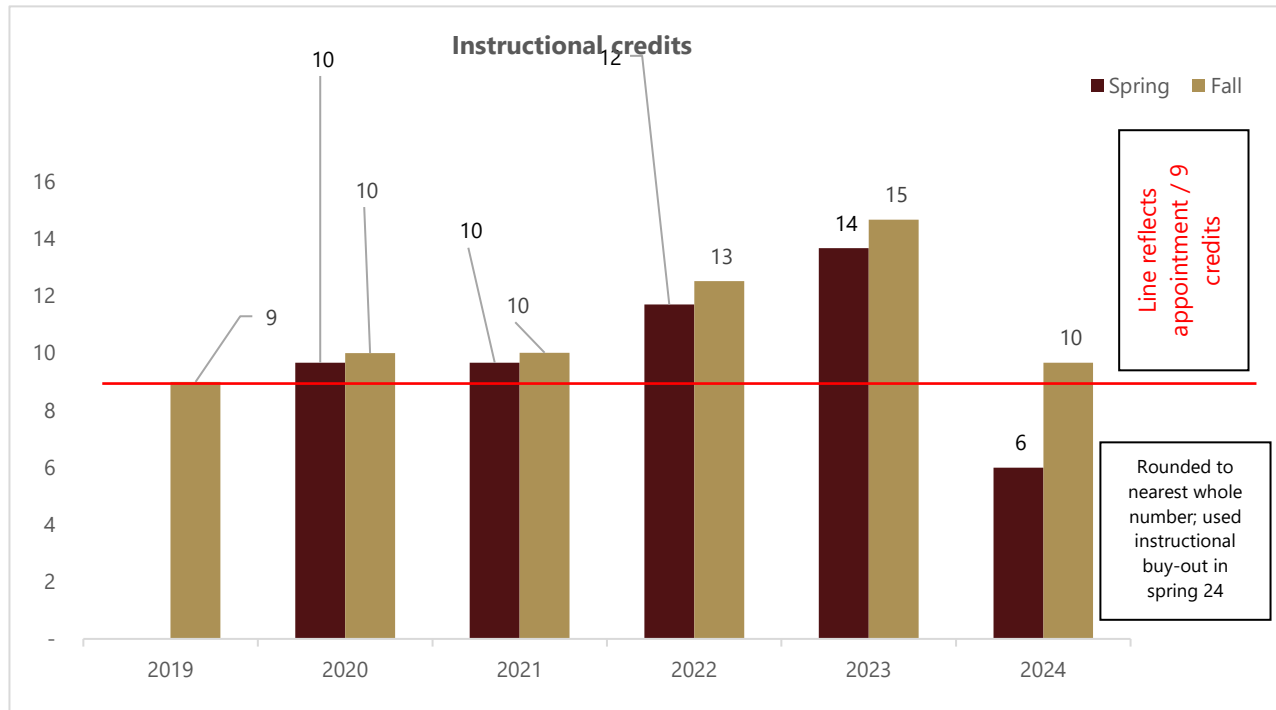
A. Teaching awards and honors

1. Favorite Professor. *Alpha Chi* Honor Society, Texas State University. 2024.
2. Service-learning Excellence Fellow. Texas State University. Aug 2021-
3. E. Kika De La Garza Fellowship recipient. USDA. (National). June 21-25, 2021.

B. Courses taught

	Course	Section	Title	Credits	# students
FALL 2024	AG 3325	002	ANIM NUTR	3	40
	AG 4326	001	ADV ANI SCI RUMNT	3	50
	RES 3399	001	RES CREATIVE ESP	3	17
				9	107
SPRING 2024	AG 4326	251	ADV ANI SCI RUMNT	3	44
	AG 5310	251	RESEARCH METHODS	3	13
				6	57
FALL 2023	AG 1445	003	BASIC ANIMAL SCI	3	82
	AG 3330	001	APPL WILDLIFE NUTR	3	30
	AG 4326	001	ADV ANI SCI RUMNT	3	49
				9	161
SUMMER 2023	AG 5365	751	GRANT DEVELOPMENT MGMT	3	8
SPRING 2023	AG 3325	252	AN NUTR	3	40
	AG 4326	251	ADV ANI SCI RUMNT	3	42
	AG 5365	251	ANIMAL SCIENCE IN SOCIETY	3	7
				9	89
FALL 2022	AG 1445	003	BASIC ANIMAL SCI	3	85
	AG 3341	001	LEADERSHIP DEV IN AG SCIENCES	3	45
	AG 4326	001	ADV ANI SCI RUMNT	3	49
				9	179
SUMMER 2022	AG 3325	751	AN NUTRITION	3	34
SPRING 2022	AG 3341	253	LEADERSHIP DEV IN AG SCIENCES	3	41
	AG 4326	251	ADV ANI SCI RUMNT	3	42
	AG 5365	251	ANIMAL SCIENCE IN SOCIETY	3	16
				9	99
FALL 2021	AG 1445	003	BASIC ANIMAL SCI	3	80
	AG 3341	001	LEADERSHIP DEV IN AG SCIENCES	3	41
	AG 4326	001	ADV ANI SCI RUMNT	3	50
				9	171

SUMMER 2021	AG 3325	751	AN NUTRITION	3	13
	AG 5365	751	GRANT DEVELOPMENT MGMT	3	5
				6	18
SPRING 2021	AG 3341	253	LEADERSHIP DEV IN AG SCIENCES	3	38
	AG 4326	251	ADV ANI SCI RUMNT	3	42
	AG 5365	251	ANIMAL SCIENCE IN SOCIETY	3	18
				9	98
FALL 2020	AG 1445	003	BASIC ANIMAL SCI	3	72
	AG 3341	002	LEADERSHIP DEV IN AG SCIENCES	3	35
	AG 4326	001	ADV ANI SCI RUMNT	3	56
				9	163
SUMMER 2020	AG 5351	501	GRANT DEVELOPMENT MGMT	3	6
	AG 4185	502, 504, 505	CUR PRO TECH AG	3	3
				6	9
SPRING 2020	AG 3325	252	AN NUTRITION	3	35
	AG 4326	251	ADV ANI SCI RUMNT	3	39
	AG 5310	251	RESEARCH METHODS	3	10
				9	84
FALL 2019	AG 4326	001	ADV ANI SCI RUMINT	3	56
	AG 1445	003	BASIC ANIMAL SCI	3	27
	AG 1445	L07	BASIC ANIMAL SCI	1	19
	AG 1110	001	CAREERS IN AG	1	100
	AG 5100	001	PROFESSIONAL DEV	1	7
				9	209



C. Directed student learning

Directed student learning: theses					
Name	Level of study	Department, Institution	Role	Status	Date
Sabrina Fortunatti Rodriguez	MS, thesis	Agricultural Sciences, Texas State University	Major advisor	In progress	Jan 2025-
Tanvir Ahmed	MS, thesis	Ingram School of Engineering	Committee member	In progress	Aug 2024-
Allison Serda	MS, thesis	Agricultural Sciences, Texas State University	Major advisor	In progress	Aug 2024-
Kenedy Kornegay	MS, thesis	Agricultural Sciences, Texas State University	Committee member	In progress	Aug 2023-
Tyrone Bowman	MS, thesis	Agricultural Sciences, Texas State University	Major advisor	In progress	Aug 2022-
Alyssa Lopez	BS, Honors thesis	Agricultural Sciences, Texas State University	Major advisor	Completed	Aug 2024-Dec 2024
Greyson Fruge	MS, thesis	Agricultural Sciences, Texas State University	Major advisor	Completed	Jan 2023-Dec 2024
Emma Fukuda	MS, thesis	Agricultural Sciences, Texas State University	Major advisor	Completed	Aug 2022-May 2024
Mikael Carrasco	MS, thesis	Agricultural Sciences, Texas State University	Major advisor	Completed	Jan 2022-Dec 2023
Hannah Boyer	MS, thesis	Agricultural Sciences, Texas State University	Committee member	Completed	Jan 2022-May 2023
Shakara Maggitt	MS, thesis	Agricultural Sciences, Texas State University	Major advisor	Completed	May 2021-Aug 2023
Kayra Tasci	MS, thesis	Agricultural Sciences, Texas State University	Major advisor	Completed	Aug 2021-May 2023
Jessica (Jay) Rea	BS, Honors thesis	Agricultural Sciences, Texas State University	Major advisor	Completed	May 2022-Aug 2022
Annalisa Scott	MS, thesis	Sociology, Texas State University	Committee member	Completed	July 2021-May 2022
Kacie York	MS, thesis	Agricultural Sciences, Texas State University	Co-advisor	Did not complete	Aug 2021-Jan 2022
Crystal Russo	MS, thesis	Agricultural Sciences, Texas State University	Major advisor	Completed	Aug 2019-May 2021
Zoe Rowe	BS, Honors thesis	Agricultural Sciences, Texas State University	Major advisor	Completed	Jan 2021-May 2021
Emma Kathcart	BS, Honors thesis	Agricultural Sciences, Texas State University	Major advisor	Completed	May 2020-Dec 2020

Directed student learning: exit committees (non-thesis)					
Name	Level of study	Department, Institution	Role	Status	Date
Rebecca Tasker	MS, non-thesis	Agricultural Sciences, Texas State University	Committee member	Completed	Dec 2024
Cassaundra Melgar-C'De Baca	MS, non-thesis	Agricultural Sciences, Texas State University	Committee member	Completed	Aug 2021-Dec 2023
Jeffrey McAfee	MS, professional paper	Agricultural Sciences, Texas State University	Committee member	Completed	Dec 2022
Makayla Johnson	MS, professional paper	Sociology, Texas State University	Committee member	Completed	Oct 2021-Dec 2021

William Glenn	MS, professional paper	Agricultural Sciences, Texas State University	Committee member	Completed	Aug 2021
Cody Brown	MS, professional paper	Agricultural Sciences, Texas State University	Committee member	Completed	Dec 2020

Directed student learning: projects					
Project name	Name	Level of study	Department, Institution	Role	Date
Validating facial grimace score for cattle through circulating biomarkers of pain and stress	Yazmin Montes	BS	Agricultural Sciences, Texas State University	Major advisor	Aug 2024-
Cattle preference for thymol at increasing doses	Elizabeth Hernandez	BS	Agricultural Sciences, Texas State	Major advisor	Jan 2025-
	Madison Cantu	BS	Agricultural Sciences, Texas State	Major advisor	Jan 2025-
	Jordan Suter	BS	Agricultural Sciences, Texas State University	Major advisor	Aug 2024-
College students' perceptions of sustainability before and after a tour of beef production	Victoria Garcia	BS	Agricultural Sciences, Texas State University	Major advisor	Aug 2024-
Developing an autonomous robot to monitor cattle herd activity (AnimalCareBot)	Elysia Jimenez	BS	Agricultural Sciences, Texas State University	Major advisor	Aug 2024-
	Victoria Garcia	BS	Agricultural Sciences, Texas State University	Major advisor	March 2023-Aug 2024
Developing an artificial intelligence model to identify cattle behavior	Alyssa Lopez	BS	Agricultural Sciences, Texas State University	Major advisor	Oct 2023-Dec 2024
Differentiating microbial species between the rumen liquid and solid fractions	Delila Dominguez	BS	Agricultural Sciences, Texas State University	Major advisor	Oct 2023-May 2024
Evaluating eggshell waste as a novel feed for cattle	Sabrina Fortunatti Rodriguez	BS	Agricultural Sciences, Texas State University	Major advisor	Aug 2024-
	Allison Serda	Post-bac	Agricultural Sciences, Texas State University	Major advisor	Oct 2023-May 2024
	Jimena Farfan	BS	Agricultural Sciences, Texas State University	Major advisor	Oct 2023-May 2024
Spent mushroom substrate as feed for beef cattle	Adriana Cavazos	BS	Agricultural Sciences, Texas State University	Major advisor	Oct 2022-May 2023
Replacing fish meal with Black soldier fly larvae in U.S. aquaculture production	Evan Moore	BS	Agricultural Sciences, Texas State University	Co-advisor	Aug 2022-July 2023
Hemp as feed for beef cattle	Alyssa Lopez	BS	Agricultural Sciences, Texas State University	Major advisor	Dec 2022-June 2023
	Greyson Fruge	BS	Agricultural Sciences, Texas State University	Major advisor	Aug 2022-Dec 2022
Impact of participating in service-learning on undergraduate and high school students	Jesica Thornburgh	BS	Agricultural Sciences, Texas State University	Major advisor	Feb 2022-May 2023
	Emily Blanton	BS	Biology, Texas State University	Major advisor	Aug 2022-May 2023
Insects as feed for beef cattle	Delila Dominguez	BS	Agricultural Sciences, Texas State University	Major advisor	May 2023-Sept 2023
	Jessica Rea	BS	Agricultural Sciences, Texas State University	Major advisor	Jan 2022-Aug 2022

Upcycling insect frass into compost	Beatrice Jasso	BS	Agricultural Sciences, Texas State University	Co-advisor	Aug 2021-Dec 2022
	Luisa Quinchia	BS	Agricultural Sciences, Texas State University	Co-advisor	Aug 2021-May 2022
Impact of Covid-19 on teaching Agricultural Sciences at the post-secondary level	Mikael Carrasco	BS	Agricultural Sciences, Texas State University	Major advisor	May 2020-Dec 2020
	Kayra Tasci	BS	Agricultural Sciences, Texas State University	Major advisor	Oct 2020-May 2021
	Gabriela Garza	BS	Agricultural Sciences, Texas State University	Major advisor	Jan 2021-Dec 2021
	Kenedy Kornegay	BS	Agricultural Sciences, Texas State University	Major advisor	Jan 2021-Dec 2021
	Emily Catalan	BS	Agricultural Sciences, Texas State University	Major advisor	Jan 2021-May 2021
Impact of Covid-19 on experiences and perceptions of Veterinary Technicians	Zoe Rowe	BS	Agricultural Sciences, Texas State University	Major advisor	Dec 2020-Sept 2021
Black Soldier Fly Larvae as a novel feedstuff for beef cattle	Emma Kathcart	BS	Agricultural Sciences, Texas State University	Major advisor	May 2020-Nov 2021

Directed student learning: achievements					
Name	Level of study	Department, Institution	Role	Achievement	Date
Alyssa Lopez	BS	Agricultural Sciences, Texas State University	Major advisor	Finalist for Outstanding Senior at Texas State University	Ongoing
Greyson Fruge	MS	Agricultural Sciences, Texas State University	Major advisor	Received 3 rd place in MS Student Poster Competition at the 2024 ASAS-CSAS-WSAS Annual Meeting (Calgary, Alberta)	July 2024
Alyssa Lopez	BS	Agricultural Sciences, Texas State University	Major advisor	Awarded Outstanding Traditional Undergraduate Student for College of Applied Arts	April 2024
Emma Fukuda	MS	Agricultural Sciences, Texas State University	Major advisor	Awarded Outstanding Graduate Student (MS) for College of Applied Arts	April 2024
Alyssa Lopez	BS	Agricultural Sciences, Texas State University	Major advisor	Received 3 rd place in undergraduate 3MT (3 Minute Thesis) competition at American Society of Animal Science Southern section	Jan 2024
Emma Fukuda	MS	Agricultural Sciences, Texas State University	Major advisor	Received People's Choice at the preliminary round of the 3MT (3 Minute Thesis) competition	Oct 2023
Greyson Fruge	MS	Agricultural Sciences, Texas State University	Major advisor	Received 2 nd place in the poster competition at the TXST Sustainability Expo	April 2023
Emma Fukuda	MS	Agricultural Sciences, Texas State University	Major advisor	Named "Graduate Student Employee of the Year" by TXST Career Services	April 2023

Kayra Tasci	MS	Agricultural Sciences, Texas State University	Major advisor	Received First Place (\$1,000) and People's Choice (\$500) at university-wide 3MT (3 Minute Thesis) competition	Nov 2022
Jesica Thetford	BS	Agricultural Sciences, Texas State University	Major advisor	Received Undergraduate Research Fellowship grant (\$1,000)	Oct 2022
Jesica Thetford	BS	Agricultural Sciences, Texas State University	Major advisor	Received 3 rd place in the Undergraduate Research Poster Competition at the Western Section American Society of Animal Science conference (\$100)	Oct 2022
Greyson Fruge	BS	Agricultural Sciences, Texas State University	Major advisor	Served as a panelist for the TXST IDEA Center	Oct 2022
Kayra Tasci	MS	Agricultural Sciences, Texas State University	Major advisor	Awarded Thesis Research Fellowship (\$2,000)	Aug 2022
Greyson Fruge	BS	Agricultural Sciences, Texas State University	Major advisor	Awarded Outstanding Undergraduate Student for Department of Agricultural Sciences	April 2022
Emma Fukuda	BS	Agricultural Sciences, Texas State University	Major advisor	Awarded Outstanding Traditional Undergraduate Student for College of Applied Arts	April 2022
Kayra Tasci	MS	Agricultural Sciences, Texas State University	Major advisor	Awarded Outstanding Graduate Student (MS) for College of Applied Arts	April 2022
Emma Fukuda	BS	Agricultural Sciences, Texas State University	Major advisor	Served as a panelist for the TXST IDEA Center	March 2022
Kayra Tasci	MS	Agricultural Sciences, Texas State University	Major advisor	Received the Freeman Fellows Graduate Research Fellowship (\$1,500)	March 2022
Jessica Rea	BS	Agricultural Sciences, Texas State University	Major advisor	Received Undergraduate Research Fellowship grant (\$1,000)	Feb 2022
Emma Kathcart	BS	Agricultural Sciences, Texas State University	Major advisor	Received 3 rd place in the Undergraduate Research Poster Competition at the Western Section American Society of Animal Science conference (\$100)	Oct 2021
Luisa Quinchia	BS	Agricultural Sciences, Texas State University	Major advisor	Received Undergraduate Research Fellowship grant (\$1,000)	Oct 2021
Emma Kathcart	BS	Agricultural Sciences, Texas State University	Major advisor	Received 1 st place for research poster at Southern Family Farmers & Food Systems Conference	Aug 2021
Kayra Tasci	BS	Agricultural Sciences, Texas State University	Major advisor	Received 1 st place at 15 th Undergraduate Research Conference (\$500)	April 2021
Emma Kathcart	BS	Agricultural Sciences, Texas State University	Major advisor	Received Undergraduate Research Fellowship grant (\$1,000)	Nov 2020

Directed student learning: graduate student alumni (as major advisor)		
Name	Current position	Current company/institution
Greyson Fruge	Customer Service Rep., Outdoor Center	H-E-B
Emma Fukuda	Doctoral Teaching and Research Assistant	Texas Tech University Dept. Animal Sci
Mikael Carrasco	Veterinary Research Technician	Texas Biomedical Research Institute
Shakara Maggitt	Production/QA Specialist	ION
Kayra Tasci	Engineering and Program Support	Lockheed Martin
Crystal Russo	DVM student	Texas Tech School of Veterinary Medicine

D. Courses prepared and curriculum development

Courses prepared and curriculum development: Curriculum development		
	Course	Title
Spring 2024	AG 2391	LIVESTOCK BEHAV WELF
	AG 4331	DIS PREP MGMT AG

Courses prepared and curriculum development: Revise existing course		
	Course	Title
FALL 2023	AG 3330	APPL WILDLIFE NUTR
SPRING 2021	AG 5365	ANIMAL SCIENCE IN SOCIETY
FALL 2020	AG 3341	LEADERSHIP DEV IN AG SCIENCES
	AG 1445	BASIC ANIMAL SCI
SUMMER 2020	AG 5351	GRANT DEVELOPMENT MGMT
SPRING 2020	AG 3325	AN NUTRITION
	AG 5310	RESEARCH METHODS
FALL 2019	AG 4326	ADV ANI SCI RUMINT

E. Teaching grants and contracts

a. Funded Internal Teaching Grants and Contracts

1. **Drewery ML.** Learning research methodologies through a STEM exploration event. Amount: \$500. Sponsor: Service-Learning Excellence Mini-Grant Program. Funded Jan 2024-May 2024.
2. **Drewery ML.** AgCamp: A one-day educational event for local high school students. Amount: \$500. Sponsor: Service-Learning Excellence Mini-Grant Program. Funded Aug 2022-Dec 2022.
3. **Drewery ML.** AgCamp: A one-day educational event for local high school students. Amount: \$500. Sponsor: Service-Learning Excellence Mini-Grant Program. Funded Jan 2022-May 2022.
4. **Drewery ML.** AgCamp: A one-day educational event for local high school students. Amount: \$500. Sponsor: Service-Learning Excellence Mini-Grant Program. Funded Aug 2021-Dec 2021.

F. Other

1. Guest lectured to one section of AG 1110, Careers in Agriculture, Texas State University Department of Agricultural Sciences. February 24, 2023.
2. Guest lectured to one section of AG 1110, Careers in Agriculture, Texas State University Department of Agricultural Sciences. February 18, 2022.
3. Guest lectured to two sections of AG 1110, Careers in Agriculture, Texas State University Department of Agricultural Sciences. November 5, 2021.
4. Guest lectured to one section of AG 1110, Careers in Agriculture, Texas State University Department of Agricultural Sciences. February 2021.
5. Guest lectured to two sections of AG 1110, Careers in Agriculture, Texas State University Department of Agricultural Sciences. November 2020.

G. Teaching professional development activities attended

1. The Strength Within: Activating Community Cultural Wealth to Increase Success for Students of Color in STEM Disciplines. Faculty Development, Texas State University. January 11th, 2023. Workshop.
2. Service-Learning Advisory Board. Service-Learning Excellence Program, Texas State University. November 18th, 2022. Workshop.
3. Assets, Power, and Strength: First-generation College Students & Ways to Support Them. First-gen Council, Texas State University. November 8, 2022. Workshop.
4. Multicultural Curriculum Transformation and Research Institute. Center for Diversity and Gender Studies, Texas State University. May 23-27, 2022. Workshop series.
 - Competitive nomination and invitation process
5. ESCALA: Culturally Responsive Teaching for Faculty at HSIs. Texas State University. January 28, 2022. Seminar.
6. Service-Learning Development Workshop. Service-Learning Excellence, Texas State University. June-July 2021. Workshop series.
7. Agriculture Teachers Association of Texas Professional Development Conference for Agriculture, Food and Natural Resources Cluster. Agriculture Teachers Association of Texas. July 20, 2021. Conference.
8. Teaching Online at Texas State University. Office of Distance and Extended Learning, Texas State University. May 2020. Workshop.
9. Teaching First-Generation Students: Practical Tips for the Classroom. Faculty Development, Texas State University. March 2020. Seminar.

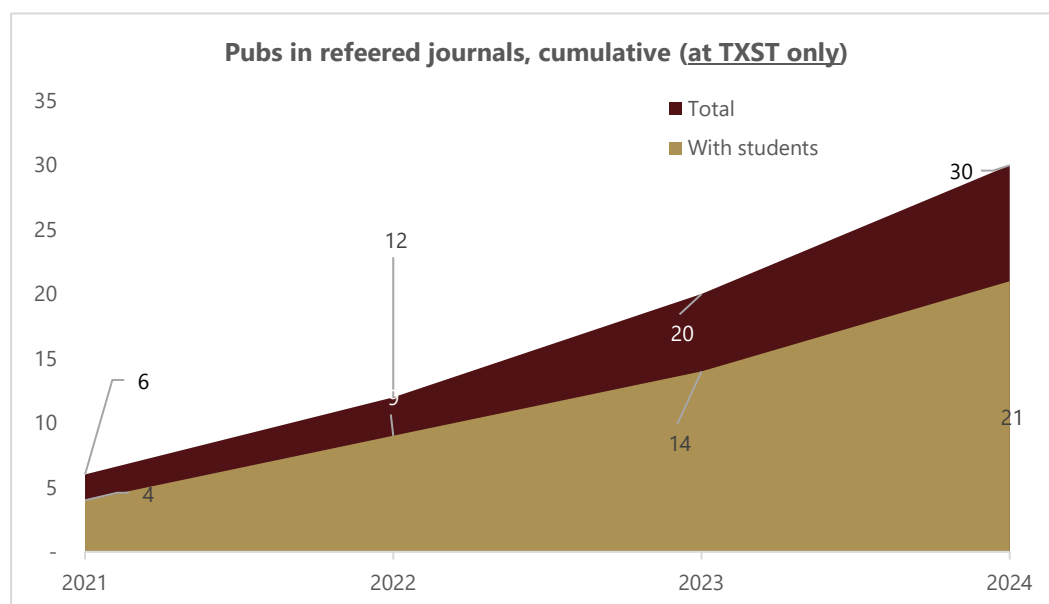
III. Scholarly/creative

A. Works in print

1. Refereed articles (*represents student mentee)

Lifetime total: 39

Total at TXST: 30



1. Kenchanna D*, Waliczek (Cade) TM, **Drewery ML**. Evaluating Black Soldier Fly (*Hermetia illucens*) frass and larval sheddings in the production of a quality compost. *Fermentation* 2024; 10(12):613. <https://doi.org/10.3390/fermentation10120613>
 - a. Impact factor: 3.3
2. Barrett M, **Drewery ML**, Fischer B. Entomologists' knowledge of, and attitudes towards, insect welfare in research and education. *Ecological Entomology* 2024. <https://doi.org/10.1111/een.13415>

- a. Impact factor: 2.0
3. Carrasco M*, **Drewery ML**. Mealworm larvae and black soldier fly larvae as novel protein supplements for cattle consuming low-quality forage. *Translational Animal Science* 2024; 8. <https://doi.org/10.1093/tas/txae122>
 - a. Impact factor: 1.1491
4. Tasci KD*, Wickersham TA, **Drewery ML**. Acceptance and forage utilization responses of steers consuming low-quality forage and supplemented black soldier fly larvae as a novel feed. *Journal of Animal Science* 2024; 102. <https://doi.org/10.1093/jas/skae168>
 - a. Impact factor: 2.7
5. Glenn W*, Waliczek TM, **Drewery ML**. Market potential for specialty compost produced from wool waste. *HortTech* 2024;34(3):322-330. <https://doi.org/10.21273/HORTTECH05388-24>
 - a. Impact factor: 1.387
6. Moore ER*, Liu XP, **Drewery ML**. Pelagic fish spared from ocean catch by integrating Black Soldier Fly Larvae in U.S. aquaculture production. *Frontiers in Sustainable Food Systems*. 2024:8. <https://doi.org/10.3389/fsufs.2024.1297414>
 - a. Impact factor: 3.7
7. Blanton E*, Anderson RG, **Drewery ML**. Service-learning outreach to increase high school students' knowledge and interest in Agricultural Sciences. *Translational Animal Science* 2024:8. <https://doi.org/10.1093/tas/txae012>
 - a. Impact factor: 1.3
8. **Drewery M**, Hustvedt G. Consumer support for hemp by-products as food and feed. *Journal of Natural Fibers* 2024;21(1). <https://doi.org/10.1080/15440478.2024.2309893>
 - a. Impact factor: 3.507
9. **Drewery ML**, Lollar J. Undergraduates' perceptions of the value of service-learning. *Frontiers in Education* 2024:9. <https://doi.org/10.3389/educ.2024.1330456>
 - a. Impact factor: 2.3
10. Jasso B*, Quinchia L*, Waliczek TM, **Drewery ML**. Black soldier fly larvae (*Hermetia illucens*) frass and sheddings as a compost ingredient. *Frontiers in Sustainable Food Systems*. 2024:7. <https://doi.org/10.3389/fsufs.2023.1297858>
 - a. Impact factor: 3.7
11. Fukuda EP*, Carrasco MN*, Perez AJ, Fischer B, **Drewery ML**. U.S. consumer perceptions of insects as livestock feed: Ethical considerations. *Journal of Insects as Food and Feed* 2023;10:125-139. <https://doi.org/10.1163/23524588-20230028>
 - a. Impact factor: 5.1
12. Heibel B*, Anderson RG, **Drewery ML**. Virtual reality in welding training and education: A literature review. *Journal of Agricultural Education* 2023;64(4):1-14.
13. Boyer HL*, Wagner N, **Drewery M**. Effectiveness of mycorrhizae and vermicompost seed inoculation for germination, vegetative growth, cannabinoid content, and cured flower weight of CBD-rich hemp (*Cannabis sativa* L.). *Journal of Agricultural Hemp Research* 2023;3(1).
14. Soria E, Russo C*, Carlos-Shanley C, **Drewery M**, Boswell W, Savage M, Sanchez L, Chang C, Varga Z, Kent M, Sharpton T, Lu Y. Assessment of various standard fish diets on gut microbiome of Platyfish (*Xiphophorus maculatus*). *Journal of Experimental Zoology Part B: Molecular and Developmental Evolution* 2023;1-7. <https://doi.org/10.1002/jez.b.23218>
 - a. Impact factor: 2.368
15. Fukuda EP*, Omana Sudhakaran P, **Drewery ML**. Consumer acceptance of and willingness to pay for animal food products from livestock fed insects in the United States. *Journal of Insects as Food and Feed* 2023;9(11):1419-1430. <https://doi.org/10.1163/23524588-20220146>
 - a. Impact factor: 5.1
16. **Drewery ML**, Cooper JV, Wickersham TA, Cade TM. An immersive field trip focused on beef production increases sense of belonging in ethnoracial minority college students. *Translational Animal Science* 2023. <https://doi.org/10.1093/tas/txad001>
 - a. Impact factor: 1.3
17. Miller CT, **Drewery ML**, Waliczek TM, Contreras RN, Kubota C. Engaging undergraduate students in research. *HortTechnology* 2023;33(1):1-7. <https://doi.org/10.21273/HORTTECH05130-22>
 - a. Impact factor: 1.387

18. Waliczek TM, **Drewery M**, McMoran A, Eriksen M, Hale J. Assessing the quality of compost produced from human hair and pet fur waste. *Compost Science and Utilization* 2023.
<https://doi.org/10.1080/1065657X.2023.2167749>
a. Impact factor: 1.149
19. Russo CM*, **Drewery ML**, Chang C, Savage M, Sanchez L, Walter R, Varga Z, Kent M, Lu Y. Zebrafish diets negatively influence growth and reproduction of *Xiphophorus maculatus* and *Oryzias latipes*. *Zebrafish* 2022;19(5):181-189. <https://doi.org/10.1089/zeb.2022.0004>
a. Impact factor: 2.229
20. **Drewery ML**, Liu XP, Wickersham TA. Black Soldier Fly Larvae (BSFL) as a feed for beef cattle: A hedonic pricing model. *Journal of Insects as Food and Feed* 2022; 8(7):743-751.
<https://doi.org/10.3920/JIFF2021.0166>
a. Impact factor: 5.7
21. Rowe ZC*, **Drewery ML**, Anderson RG, Russo CM*. Challenges and opportunities faced by veterinary technicians in the workplace during COVID-19. *Frontiers in Veterinary Sciences* 2022;9:831127.
<https://doi.org/10.3389/fvets.2022.831127>
a. Impact factor: 3.412
22. Fukuda E*, Cox J, Wickersham TA, **Drewery ML**. Evaluation of Black Soldier Fly larvae (*Hermetia illucens*) as a protein supplement for beef steers consuming low-quality forage. *Translational Animal Science* 2022;6(1):1-6. <https://doi.org/10.1093/tas/txac018>
a. Impact factor: 1.3
23. Garza G*, **Drewery ML**, Anderson RG. Online teaching workshops and conferences: A COVID-19 survey on faculty teaching agriculture. *NACTA Jour* 2022;66:19-25.
24. Kornegay K*, **Drewery ML**, Anderson RG. Effect of Covid-19 on faculty participation in teaching training. *NACTA Jour* 2022;66:1-8.
25. Tasci K*, **Drewery ML**, Anderson RG. Changes in academic rigor and faculty perception of student learning in the post-secondary classroom during Covid-19. *NACTA Jour* 2021;65:526-534.
26. Catalan E*, **Drewery ML**, Anderson RG, Omana Sudhakaran P. Learning Management Software (LMS) for teaching agricultural sciences: The role of age in faculty's adoption before and during Covid-19. *NACTA Jour* 2021;65:442-454.
27. **Drewery ML**, Sawyer JE, Wickersham TA. Effect of upstream processing on nutritional value of post-extraction algal residue for beef cattle. *Anim Nutr Feed Tech* 2021;21:221-232.
<https://doi.org/10.5958/0974-181X.2021.00019.6>
a. Impact factor: 0.20
28. Carrasco, M*, **ML Drewery**, RG Anderson, M Swafford. Adoption of technology and social media in the post-secondary classroom before and as a result of COVID-19. *NACTA Jour* 2021;Covid-19 Special Issue:56-66.
29. Tasci, K*, **ML Drewery**, RG Anderson, M Swafford. Adoption of software in the post-secondary agricultural classroom as a result of the Covid-19 pandemic. *NACTA Jour* 2021;Covid-19 Special Issue:44-54.
30. Sawyer JE, **Drewery ML**, Wickersham TA. Post-extraction algal residue as a protein supplement for beef steers consuming forage: palatability and nutrient utilization. *Anim Feed Sci Technol*. 2021;273:114796.
<https://doi.org/10.1016/j.anifeedsci.2020.114796>
a. Impact factor: 2.582
31. Gaitan AV, **Drewery ML**, Thaxton CA, et al. Dietary intake and omega-3 DHA status in pregnant women who are overweight. *J Obstet Gynecol Neonatal Nurs* 2018;47:438-450.
<https://doi.org/10.1016/j.jogn.2017.08.008>
a. Impact factor: 1.8
32. **Drewery ML**, Gaitan AV, Spedale SB, et al. Maternal n-6 and n-3 fatty acid status during pregnancy is related to infant heart rate and heart rate variability: an exploratory study. *Prostaglandins Leukot Ess Fatty Acids* 2017;117-125. <https://doi.org/10.1016/j.plefa.2017.09.003>
a. Impact factor: 2.9
33. **Drewery ML**, Spedale SB, Lammi-Keefe CJ. Modulation of heart rate and heart rate variability by n3 LCPUFA: speculation on mechanism(s). *Med Hypotheses* 2017;107:29-34.
<https://doi.org/10.1016/j.mehy.2017.07.011>
a. Impact factor: 2.1

34. Xu W, Cater M, Gaitan A, **Drewery M**, Gravois R, Lammi-Keefe CJ. Awareness of *Listeria* and high-risk food consumption behavior among pregnant women in Louisiana. Food Control 2017;76:62-65. <https://doi.org/10.1016/j.foodcont.2017.01.009>
 - a. Impact factor: 5.6
 35. **Drewery ML**, Gaitan AV, Thaxton C, Xu W, Lammi-Keefe CJ. Pregnant women in Louisiana are not meeting dietary seafood recommendations. J Preg 2016;2016:1-9. <https://doi.org/10.1155/2016/1853935>
 - a. Impact factor: 3.2
 36. Maisashvili A, Bryant H, Richardson J, Anderson D, Wickersham T, **Drewery M**. The values of whole algae and lipid extracted algae meal for aquaculture. Algal Res 2015;9:133-142. <https://doi.org/10.1016/j.algal.2015.03.006>
 - a. Impact factor: 4.6
 37. **Drewery ML**, Sawyer JE, Pinchak WE, Wickersham TA. Effect of increasing amounts of postextraction algal residue on straw utilization in steers. J Anim Sci 2014;92:4642-4649. <https://doi.org/10.2527/jas.2014-7795/>
 - a. Impact factor: 2.7
 38. McCann JC, **Drewery ML**, Sawyer JE, Pinchak WE, Wickersham TA. Effect of postextraction algal residue supplementation on the ruminal microbiome of steers consuming low-quality forage. J Anim Sci 2014;92:5063-5075. <https://doi.org/10.2527/jas.2014-7811>
 - a. Impact factor: 2.7
 39. Gogichaishvili I, Bryant HL, [...] **Drewery ML**. The value of post-extracted algal residue. Algal Res 2012;1:185-193. <https://doi.org/10.1016/j.algal.2012.06.001>
 - a. Impact factor: 4.6
2. Refereed conference presentations, since TXST (* represents student)
1. Fruge G*, Magnin G, Kleinhenz M, Jessup R, Bruner B, **Drewery ML**. Cannabinoid uptake and depletion in blood plasma of cattle fed hemp leaves. July 2024. *Presented as a poster at American Association of Animal Scientists – Canadian Society of Animal Scientists – Western Section of Animal Scientists Annual Meeting. Alberta, Calgary.* <https://doi.org/10.1093/jas/skae234.554>
 - Won third place for Graduate Student Poster Competition
 2. Fukuda EP*, Lu Y, Jessup R, **Drewery ML**. Effect of thymol on forage utilization, rumen fermentation, and rumen microorganisms in beef steers. July 2024. *Presented as a poster at American Association of Animal Scientists – Canadian Society of Animal Scientists – Western Section of Animal Scientists Annual Meeting. Alberta, Calgary.* <https://doi.org/10.1093/jas/skae234.553>
 3. Kenchanna D*, Cade TM, **Drewery ML**. Determining the suitability of incorporating black soldier fly frass in production of a quality compost. January 2024. *Presentation at U.S. Composting Council National Conference. Daytona, FL.*
 4. Dominguez D*, Fukuda EP*, Rea J*, **Drewery ML**. *In situ* evaluation of multiple edible insects for cattle. January 2024. *Presentation at American Society of Animal Science Southern Section. Louisville, KY.* <https://doi.org/10.1093/jas/skae019.110>
 5. Lopez AD*, Fukuda EP*, Fruge G, **Drewery ML**. *In-situ* degradability of hemp (*Cannabis sativa* L.) plant components in cattle. January 2024. *Presentation at American Society of Animal Science Southern Section. Louisville, KY.* <https://doi.org/10.1093/jas/skae019.109>
 - Won third place in the Undergraduate 3MT Presentation competition
 6. Fruge G*, Boyer H*, Wagner N*, **Drewery ML**. An *in-vitro* analysis of hemp as feed for beef cattle. January 2024. *Presentation at American Society of Animal Science Southern Section. Louisville, KY.* <https://doi.org/10.1093/jas/skae019.028>
 7. Fukuda E*, Jessup R, **Drewery ML**. Effect of thymol on intake and digestion in beef cattle. January 2024. *Presentation at American Society of Animal Science Southern Section. Louisville, KY.* <https://doi.org/10.1093/jas/skae019.015>
 8. Carrasco M*, **Drewery ML**. Mealworm and black soldier fly larvae as protein supplements for beef steers consuming forage. January 2024. *Presentation at American Society of Animal Science Southern Section. Louisville, KY.* <https://doi.org/10.1093/jas/skae019.016>
 9. Kenchanna D*, Cade TM, **Drewery ML**. Determining the suitability of incorporating black soldier fly frass in production of a quality compost. November 2023. *Presentation at State of Texas Alliance for Recycling (STAR) Conference. Meadows Center, San Marcos, TX.*

10. Borges B, **Drewery ML**, Anderson RG. Women of Welding participant's sense of belonging in the welding industry. November 2023. *Presentation at National Agricultural Mechanics Professional Development Blue Ribbon Papers Research Conference.*
 - Received "Distinguished Research Poster"
 11. Soria E, Russo C*, Boswell W, Savage M, Sanchez L, Varga Z, **Drewery ML**, Carlos-Shanley C, Lu Y. October 2022. *Poster at Aquatic Models of Human Disease Conference. Boston, MA.*
 12. Thornburgh (nee Thetford) J*, Anderson RG, **Drewery ML**. Service-learning positively impacts college students' professional development. September 2022. *Poster at Western Region American Association of Animal Scientists Conference. Park City, UT.*
 - Won 3rd place in the Undergraduate Research Poster Competition
 13. **Drewery ML**, Cooper JV, Wickersham TA. Change in college students' sense of belonging as a result of a beef cattle production tour. September 2022. *Poster at Western Region American Association of Animal Scientists Conference. Park City, UT.* <https://doi.org/10.1093/jas/skac313.046>
 14. Fukuda E.P.*, Omana Sudhakaran P, **Drewery ML**. Factors affecting consumer acceptance of insects as livestock feed. September 2022. *Poster at Western Region American Association of Animal Scientists Conference. Park City, UT.* <https://doi.org/10.1093/jas/skac313.040>
 15. **Drewery ML**. Transitioning an undergraduate leadership development course to a service-learning platform. February 2022. *Presentation at Universality of Global Education Conference. Huntsville, TX.*
 16. Rowe ZC*, Tasci KD*, Russo CM*, Anderson RG, **Drewery ML**. The effect of the COVID-19 pandemic on veterinary technicians. October 2021. *Poster at Western Region American Association of Animal Scientists Conference. Fort Collins, CO.*
 17. Kathcart EP*, Cox JR, Wickersham TA, **Drewery ML**. Evaluation of Black Soldier Fly Larvae (BSFL) as a protein supplement for beef steers consuming low quality forage. Western Region American Association of Animal Scientists Conference. October 2021. *Poster at Western Region American Association of Animal Scientists Conference. Fort Collins, CO.*
 - Won third place in the Undergraduate Research Poster competition
 18. **Drewery M**, Catalan E*, Anderson RG, Omana Sudhakaran P. Faculty use of Learning Management Software during Covid-19: the effect of age and time. September 2021. *Oral presentation at Western Region American Association of Agricultural Educators Conference. Bozeman, MT.*
 19. Tasci K*, **Drewery M**, Anderson RG. Changes in academic rigor and faculty perception of student learning during Covid-19. September 2021. *Oral presentation at Western Region American Association of Agricultural Educators Conference. Bozeman, MT.*
 20. Kerr A, Sudhakaran PO, **Drewery ML**. Pre and post-weaning performance of calves fed milk replacer containing different sources of butyrate. American Dairy Science Association. 2020.
3. Non-refereed conference presentations
1. Lopez AD*, Valles D, **Drewery ML**. Monitoring cattle behavior and health using artificial intelligence and thermography. April 2024. *Poster at TXST STEM Conference.*
 2. Dominguez DD*, Fukuda EP*, Yuan L, **Drewery ML**. Whole genome characterization of microorganisms associated with solid or liquid rumen microorganisms. April 2024. *Poster at TXST STEM Conference.*
 3. Cavazos AL*, Tasci KD*, **Drewery ML**. An *in-vitro* analysis of spent mushroom substrate as an alternative feed for cattle. April 2024. *Poster at TXST STEM Conference.*
 4. Lopez AD*, Fukuda EP*, Boyer HL, Wagner NC, **Drewery ML**. *In-situ* degradability of hemp (*Cannabis sativa* L.) components in cattle. April 2023. *Presentation at TXST Undergraduate Research Conference.*
 5. Cavazos AL*, Tasci KD*, **Drewery ML**. Spent mushroom substrate (SMS) as a potential cattle feed. April 2023. *Poster at TXST Undergraduate Research Conference.*
 6. Blanton EB*, **Drewery ML**. Service-learning outreach to increase high school students' knowledge and interest in Agricultural Sciences. April 2023. *Poster at TXST Undergraduate Research Conference.*
 7. Otakpor MO*, Tasci KD*, **Drewery ML**. Identifying perceived barriers of undergraduate students interested in pursuing a D.V.M. degree. April 2023. *Poster at TXST Undergraduate Research Conference.*
 8. Moore ER*, Liu XP, **Drewery ML**. Pelagic fish spared from ocean catch by integrating Black Soldier Fly Larvae in aquaculture production. March 2023. *Poster at TXST Sustainability Expo.*
 9. Fukuda E*, Jessup R, **Drewery ML**. Thymol as a methane-mitigating feed additive for cattle. April 2023. *Poster at TXST Sustainability Expo.*
 10. Fruge G*, Boyer H, Wagner N, **Drewery ML**. Industrial hemp as cattle feed: An *in vitro* analysis. April 2023. *Poster at TXST Sustainability Expo.*

- Won 2nd place in the poster competition
- 11. Bowman T*, **Drewery ML**. Evaluating the acceptance and feasibility of using biosolids as an alternative fertilizer for Bahia grass. April 2023. *Poster at TXST Sustainability Expo*.
- 12. Tasci K*, **Drewery ML**. Making livestock systems more environmentally sustainable: An evaluation of black soldier fly larvae as an alternative protein source for beef cattle. April 2023. *Poster at TXST Graduate Student Research Conference*.
- 13. Fruge G*, Boyer H, Wagner N, **Drewery ML**. Industrial hemp as cattle feed: An *in vitro* analysis. March 2023. *Poster at TXST STEM Conference*.
- 14. Tasci K*, **Drewery ML**. Black soldier fly larvae (BSFL) as an alternative protein source for beef cattle consuming forage. March 2023. *Poster at TXST STEM Conference*.
- 15. Lopez AD*, Fukuda EP*, Boyer HL, Wagner NC, **Drewery ML**. *In-situ* degradability of hemp (*Cannabis sativa* L.) components in cattle. March 2023. *Poster at TXST STEM Conference*.
- 16. Moore ER*, Liu XP, **Drewery ML**. Pelagic fish spared from ocean catch by integrating Black Soldier Fly Larvae in aquaculture production. March 2023. *Poster at TXST STEM Conference*.
- 17. Maggitt S*, Cox J, Wickersham TA, **Drewery ML**. Black soldier fly larvae (BSFL) and frass (FRS) as protein supplements for beef steers consuming low-quality forage. March 2023. *Poster at TXST STEM Conference*.
- 18. Carrasco MN*, Fukuda EP*, Perez AJ*, Fischer B, **Drewery ML**. U.S. consumer perceptions of insects as livestock feed: Ethical considerations for insects. March 2023. *Poster at TXST STEM Conference*.
- 19. **Drewery ML**, Anderson RG. Challenges faced by veterinary technicians during Covid-19. Health Scholar Showcase, Translational Health Research Center, Texas State University. April 2022.
- 20. Kornegay K*, **Drewery ML**, Anderson RG. A COVID survey on participation of agriculture faculty members in formal, nonformal, and informal training. Texas State Honors Research Forum. November 2021.
- 21. Garza G*, **Drewery ML**, Anderson RG. A Covid-19 survey on faculty teaching agricultural sciences: interest in online teaching training. Texas State Honors Research Forum. November 2021.
- 22. Kornegay K*, **Drewery ML**, Anderson RG. Faculty participation in formal, non-formal, and informal teaching training prior to and as a result of Covid-19. Presented as a poster at Texas State University HSI Symposium. San Marcos, TX. September 2021.
- 23. Garza G*, **Drewery ML**, Anderson RG. A Covid-19 survey on faculty teaching agricultural sciences: interest in online teaching training. Presented as a poster at Texas State University HSI Symposium. San Marcos, TX. September 2021.
- 24. EP Kathcart*, JR Cox, TA Wickersham, **ML Drewery**. Black Soldier Fly Larvae (*Hermetia illucens*) as a protein supplement for beef steers. Southern Family Farmers & Food Systems Conference. August 2021.
 - Won 1st place in research poster competition
- 25. **Drewery ML**, EP Kathcart*, JR Cox, TA Wickersham. Insect protein for cattle: the first evaluation of Black Soldier Fly Larvae. 2021 Health Scholar Showcase, Translational Health Research Center, Texas State University. April 2021.
- 26. Catalan E*, RG Anderson, P Omana Sudhakaran, **ML Drewery**. Learning Management Software (LMS) for teaching during COVID-19: gender does not play a role in faculty's voluntary adoption. Texas State 15th Annual Undergraduate Research Conference & Honors Thesis Forum. April 2021.
- 27. Rowe Z*, CM Russo*, R Anderson, **ML Drewery**. What the Tech?: The effect of the COVID-19 pandemic on Veterinary Technicians. Texas State 15th Annual Undergraduate Research Conference & Honors Thesis Forum. April 2021.
- 28. Carrasco M*, R Anderson, M Swafford, **M Drewery**. Adoption of technology and social media in the post-secondary agricultural classroom before and as a result of Covid-19. Texas State 15th Annual Undergraduate Research Conference & Honors Thesis Forum. April 2021.
- 29. Tasci K*, RG Anderson, **ML Drewery**. Altered academic rigor in the post-secondary classroom during COVID-19: how and why. Texas State 15th Annual Undergraduate Research Conference & Honors Thesis Forum. April 2021.
 - Won 1st place in poster competition
- 30. Russo CM*, C Chang, Y Lu, **ML Drewery**. Standardizing and optimizing rearing methods of animal models: influence of diet in *Xiphophorus maculatus* and *Oryzias latipes*. International Research Conference for Graduate Students, Texas State University. April 2021.
- 31. Russo CM*, **Drewery ML**, Chang CT. Standardizing and optimizing rearing methods of animal models: influence of diet on Medaka growth. Women in Science and Engineering Conference. April 2020.

32. Kathcart EP*, J Cox, TA Wickersham, **ML Drewery**. The effect of Black Soldier Fly Larvae (*Hermetia illucens*) on intake and *in vivo* digestibility in beef steers consuming low-quality forage. Texas State Honors Research Forum. April 2020.

4. Invited talks, lectures and presentations

1. **Drewery ML**. Engaging underrepresented students in research. August 2022. *Invited and presented orally at the American Society for Horticulture Science annual meeting. Chicago, IL.*
2. **Drewery ML**, RG Anderson. USDA and underrepresented students: three on-going programs at TXST. 2021. *Invited and presented orally by Drewery at Texas State University HSI Symposium. San Marcos, TX.*
3. Wickersham TA, **Drewery ML**. A research summary: post-extraction algal residue as a protein supplement to cattle consuming low-quality forage. 2013. *Invited and presented orally by Drewery at 104th American Oil Chemists' Society Annual Meeting.*
4. **Drewery ML**, Sawyer JE, Wickersham TA. Potential markets for post-extraction algal residue: beef cattle. 2011. *Invited and presented orally by Drewery at 5th Algae Biomass Summit.*

5. Consultancies

1. USDA-NIFA – Federal Grant Peer Review Panelist – Food, Agricultural, Natural Resources, and Human Sciences Grant Programs. USDA-NIFA. November 18-20th, 2024.
2. USDA-NIFA – Federal Grant Peer Review Panelist – Food, Agricultural, Natural Resources, and Human Sciences Grant Programs. USDA-NIFA. July 15-17th, 2024.
3. External Evaluator. “Women and Minorities in Welding: WAM WELD”. PI: Ryan Anderson, Texas State University. 2023-.
4. Review Editor. Nutrient Density Alliance. December 2023-March 2024.
5. External Evaluator. “The Women of Welding Series: WOW”. PI: Ryan Anderson, Texas State University. 2021-2023.
6. Dairy Farmers of Canada – Grant Peer Review Panelist. March 2023.
7. USDA-NIFA – Federal Grant Peer Review Panelist – Food, Agricultural, Natural Resources, and Human Sciences Grant Programs. USDA-NIFA. March 1st-3rd, 2023.

6. Workshops

1. Chahin J, **Drewery ML**, Gonzales E, Vasquez BE. Grant writing and grant finding: Advice for faculty at an HSI. Faculty Development. Texas State University. April 2023.
2. **Drewery ML**, Bowman S, Lew, K. What Does it Mean to be First Gen? A Faculty Panel. First-gen Council, Texas State University. November 2022.

B. **Works not in print**

1. Works “submitted” or “under review” (* represents student mentee)

1. Maggitt S*, Cox J, Dobson, K, McCann J, Wickersham TA, **Drewery ML**. Intake, digestion, and rumen microbial impacts of black soldier fly larvae and frass provided as protein supplements to cattle consuming forage. *Submitted to Journal of Animal Science January 2025.*
2. Lopez A*, Fukuda E*, Fruge G*, Boyer H, Wagner N, **Drewery ML**. Assessing hemp components as feed for cattle through in-vitro true digestibility, in-situ, and cannabinoid determinations. *Submitted to Animal Feed Science and Technology January 2025.*

1. Works “in progress” (* represents student mentee)

1. Tasci KD*, Wickersham TA, **Drewery ML**. From grass to beef: The magic of the rumen. *Estimated submission to Frontiers of Young Minds February 2025.*
2. Fukuda EP*, Kerth CR, Wickersham TA, Jessup R, **Drewery ML**. The effect of thymol on forage utilization and residues in beef cattle tissues. *Estimated submission to the Journal of Animal Science February 2025.*

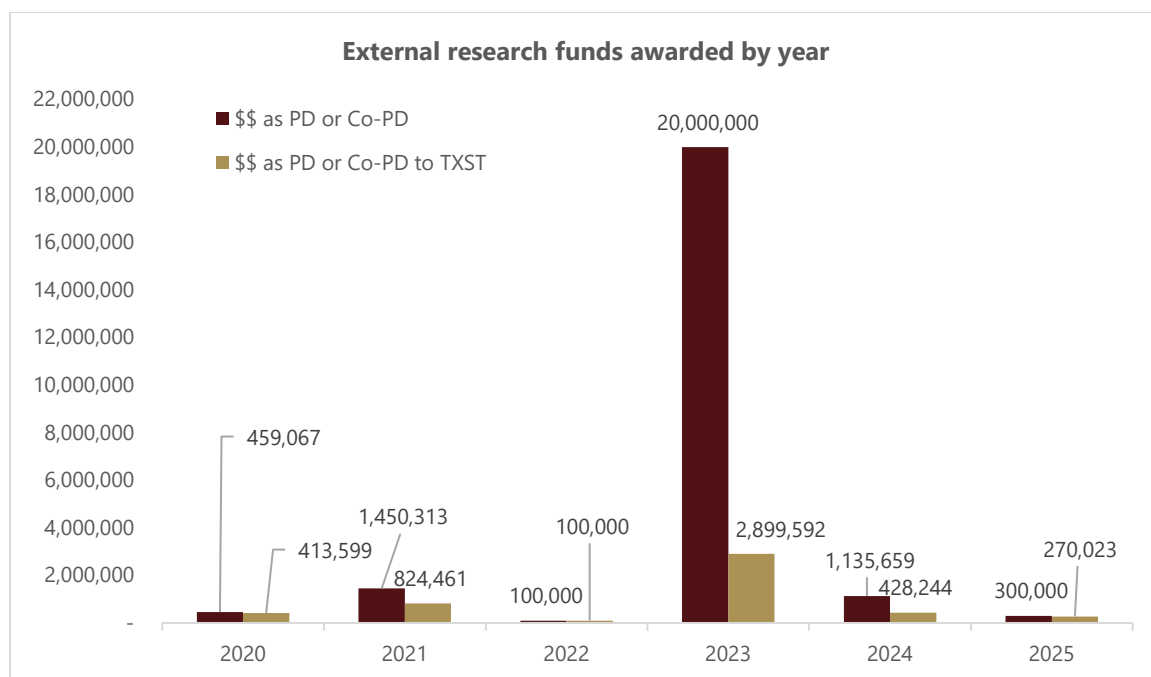
3. Fruge G*, Magnin G, Bruner B, Kleinhenz M, Jessup R, **Drewery ML**. Cannabinoid transference in various tissues of beef steers consuming hemp (*Cannabis sativa* L.) leaves. *Estimated submission to Scientific Reports February 2025*.
4. Fukuda EP*, Lu Y, Jessup R, **Drewery ML**. The effect of increasing doses of thymol on microbial populations in the rumen of beef steers. *Estimated submission to the Journal of Dairy Science March 2025*.
5. Fruge G*, Bruner B, Kleinhenz M, **Drewery ML**. Forage utilization and fermentation in beef steers receiving supplemental hemp leaves. *Estimated submission to Translational Animal Science March 2025*.
6. Dominguez D*, Fukuda EP*, Lu Y, **Drewery ML**. Whole genome shotgun sequencing reveals species-level differences in microbial populations that dwell in the liquid versus solid fractions of the rumen. *Estimated submission to the Journal of Animal Science April 2025*.
7. **Drewery ML**, Anderson RG, Borges B. Impact of a summer welding camp on high school girls' sense of belonging and identity in the welding community. *Estimated submission to Welding Journal June 2025*.
8. Early NM, **Drewery ML**, Neemann J, Wickersham TA. Animal Science undergraduate students' sense of belonging, perceptions of self, and perceptions of self-worth. *Estimated submission to Translational Animal Science June 2025*.

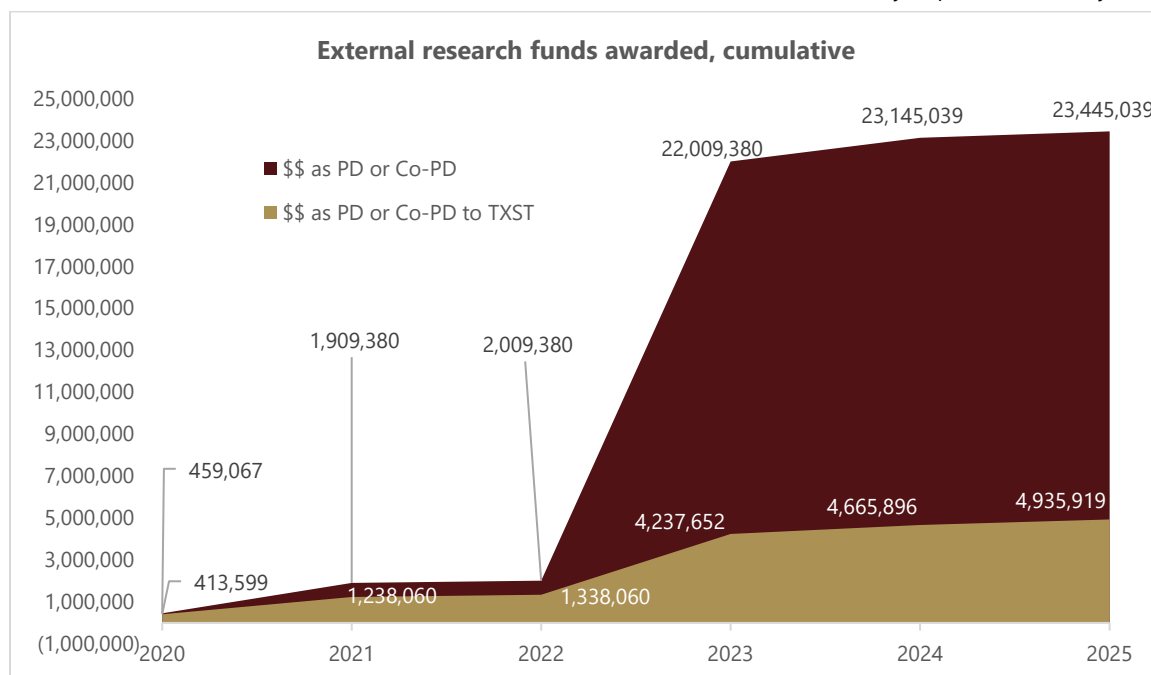
C. Scholarly/creative grants and contracts

1. Funded external research grants

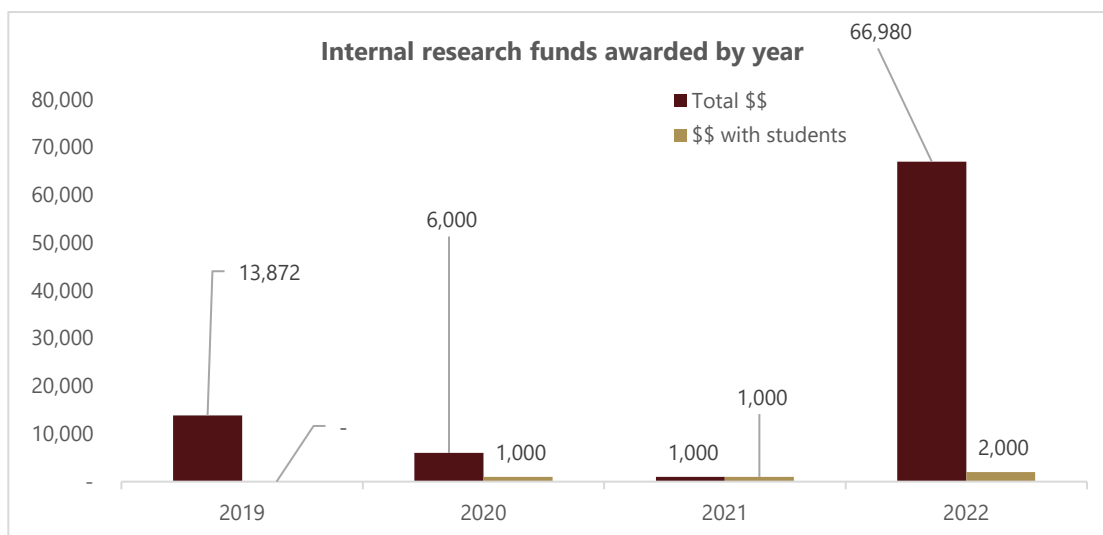
Total: \$23,145,039

Total to TXST: \$4,935,919





1. **Drewery ML**, Lu Y, Jessup R, Kleinhenz M. Assessing hemp as feed for cattle to enhance the sustainability and safety of food production. Submitted August 2024. Sponsor: USDA NIFA AFRI. Amount: \$300,000. Funded July 2025-June 2027.
2. Riggs, P, Dunlap K, Cleere J, **Drewery M**, Tolen T. Animal Science – Annual Summer Undergraduate Research and Foundational Internship Training (A SURE FIT). Submitted July 2023. Sponsor: USDA NIFA AFRI. Amount: \$735,659. Funded September 2024-August 2029.
3. Chen H, **Drewery ML**, Valles D, Asiabanpour B. AnimalCareBot: Bridging the gap between emerging technologies for livestock production and education in agricultural sciences. \$400,000. Sponsor: USDA NIFA HSI Education Grants Program. Funded Jan 2024-Dec 2028.
4. Bell N, Jimenez E, Loest C, **Drewery M**, DeYoung R, Chatelain-Jardon R, Feliciano M, Hernandez J, Norris-Parish S. LEADING Hispanics to Federal Agency Employment (LEADING: Leading and Enhancing Agricultural Development in the Next Generation). \$20,000,000. Sub-award: \$2,899,952. Sponsor: USDA NIFA NextGen. Funded June 2023-May 2028.
5. **Drewery ML**, Cade TM. Mentorship and Promotion of Women in Agriculture (MPOWA). Amount: \$100,000. Sponsor: USDA Women and Minorities in Science. Funded Sept 2022-Sept 2025.
6. Racelis A, Gabler C, **Drewery ML**, Mix K, Rugg S, Baldillo I, Cantu J. South Texas Agriculture Roadmap for Training, Research, Experiential Learning, and Careers (STARTREC) in Food, Agriculture, and Natural Resources. Amount: \$975,314; Sub-award: \$360,000. Sponsor: USDA HSI Education Grants Program. Funded Aug 2021-Aug 2025.
7. **Drewery ML**, Anderson RG. Science, Technology, Engineering, Agriculture, & Mathematics: integrating scientific inquiry in curriculum for pre-service Agricultural Education teachers (STEAM-AGED). Amount: \$274,999. Sponsor: USDA HSI Education Grants Program. Funded Aug 2021-Aug 2025.
8. **Drewery ML**, Wickersham TA. Black soldier fly larvae as a protein source for cattle consuming forage. Amount: \$200,000. Sponsor: USDA AFRI Grants Program. Funded July 2021-July 2023.
9. **Drewery ML**, Wickersham TA, Anderson R. Exposure, Experiential learning, and Extension: positioning underrepresented students for academic and professional success in agricultural sciences – 3eX-Ag. Amount: \$274,989. Sponsor: USDA HSI Education Grants Program. Funded Aug 2020-Aug 2024.
10. Mix KD, **Drewery ML**. Soil Health Laboratory equipment procurement. Amount: \$38,462. Sponsor: USDA AFRI Grants Program. Funded December 2020.
11. Mix, KD, Schwinning S, Benavides EA, **Drewery ML**. Transdisciplinary Research, Educational, and Extension Laboratory. Amount: \$145,616. Sponsor: USDA NLGCA Grants Program. Funded May 2020.

2. Funded internal research grants (* indicates student mentee)

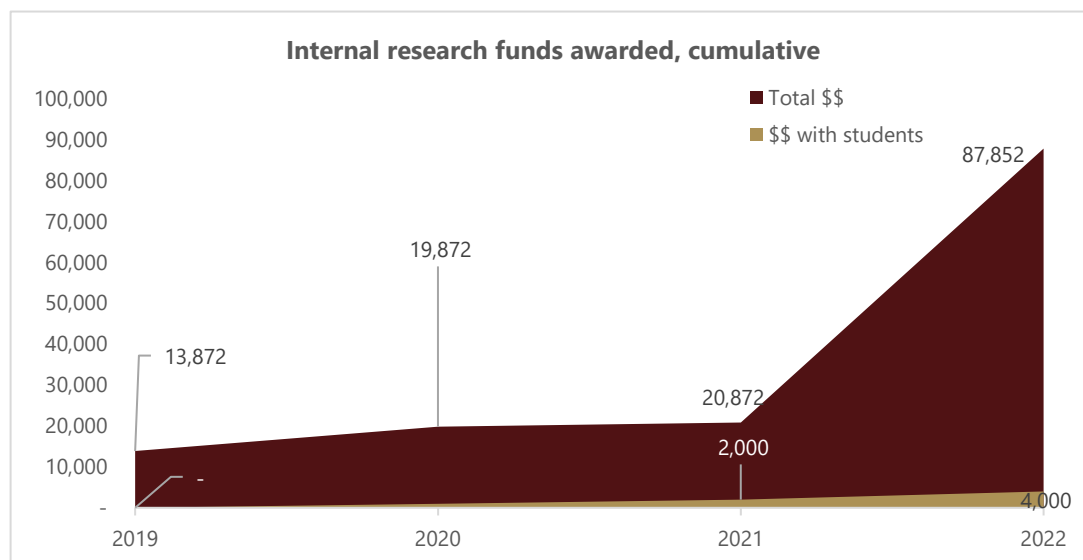
Total: \$87,852

Total with students: \$4,000

Total as PD/advisor: \$57,872

1. Thornburgh J*, **Drewery ML**. The impact of service-learning on college students' perceptions of their personal and professional development. Oct 2022-May 2023. Amount: \$1,000. Sponsor: Undergraduate Research Fellowships.
2. **Drewery ML**. Developing science identity in Latina and Black female undergraduates. Aug 2022-Aug 2023. Amount: \$5,000. Sponsor: College of Applied Arts Learning Communities Grant.
3. **Drewery ML**, Wagner N, Hustvedt G. Upcycling hemp stubble into animal-source protein: from cultivation to consumer. Aug 2022-May 2023. Amount: \$30,000. Sponsor: Multidisciplinary Internal Research Grants program.
4. Shi X, **Drewery ML**, Liu XP, Alkire L Utilization of agricultural wastes in sustainable concrete. Aug 2022-May 2023. Amount: \$29,980. Sponsor: Multidisciplinary Internal Research Grants program.
5. Rea JC*, **Drewery ML**. Evaluating multiple edible insects as feed for cattle: An *in-vitro* analysis. 2022. Amount: \$1,000. Sponsor: Undergraduate Research Fellowships.
6. Quinchia L*, **Drewery ML**. Upcycling Black Soldier Fly larvae frass: Exploration into composting. 2021. Amount: \$1,000. Sponsor: Undergraduate Research Fellowships.
7. Kathcart E*, **Drewery ML**. Black Soldier Fly Larvae as a protein source for beef steers fed low quality hay. 2020. Amount: \$1,000. Sponsor: Undergraduate Research Fellowships.
8. **Drewery ML**. Positioning underrepresented students for professional success in agricultural sciences (PUPS-Ag). 2020. Amount: \$5,000. Sponsor: College of Applied Arts Learning Communities Grant.

9. **Drewery ML**, Benavides EA. Evaluating Black Soldier Fly Larvae as a protein source for cattle consuming forage. 2019. Amount: \$13,872. Sponsor: Texas State University Research Enhancement Program.



3. Pending external research grants

n/a

1. Submitted, but not funded external grants (* indicates student mentee)

1. **Drewery M**, Lu Y. Enhancing research, education, and outreach through high-throughput sequencing. Amount: \$341,700. Submitted May 2024. Sponsor: USDA Equipment Grants Program. *Not awarded.*
2. Bowman T*, **Drewery M**. Evaluating the feasibility and acceptance of using biosolids as an alternative fertilizer for Bahia grass. Submitted May 2023. Amount: \$11,448. Sponsor: USDA Southern SARE. *Not awarded.*
3. **Drewery M**, Lu Y. Enhancing research and education through high-throughput sequencing. Amount: \$347,025. Submitted May 2023. Sponsor: USDA. *Not awarded.*
4. **Drewery M**, Bruner B, Valles D, Sims R. Revolutionizing C-Lock Technology with Computer Vision and Deep Learning. Submitted March 2023. Sponsor: C-Lock, Inc. Amount: \$296,642. *Not awarded.*
5. **Drewery ML**. CAREER: Underrepresented students in sustainability transdisciplinary education (USTED). Submitted July 2022. Amount: \$579,404. Sponsor: NSF. *Not awarded.*
6. Chen H, Asiabanpour B, Islam T, **Drewery ML**. CALF: Cyber Animal/Livestock Farming: Research and Education Using Cyber Technologies in Cattle Farming. Submitted October 2022. Sponsor: USDA AFRI. Amount: \$649,935. *Not awarded.*
7. Shi X, **Drewery ML**, Liu Xiangping, Hwang Sangchul. Developing eco-friendly construction materials using agricultural wastes (ECO-CON). Submitted September 2022. Amount: \$299,997. Sponsor: USDA AFRI. *Not awarded.*
8. Cooper J, Dunlap K, **Drewery ML**, Tolen T. Animal Science – Annual Summer Undergraduate Research and Foundational Internship Training (A SURE FIT). Submitted August 2022. Amount: \$748,635. Sponsor: USDA Education and Workforce Development. *Not awarded.*
9. Fukuda EP*, **Drewery ML**. Hempseed cake as a strategy to enhance forage utilization and mitigate methane in cattle. Submitted May 2022. Amount: \$16,497. Sponsor: USDA Southern SARE. *Not awarded.*
10. Carrasco M*, **Drewery ML**. Mealworm (*Tenebrio Molitor*) Larvae as a novel protein for cattle consuming forage. Submitted May 2022. Amount: \$16,495. Sponsor: USDA Southern SARE. *Not awarded.*
11. **Drewery ML**, Cade TM. HSI Implementation and Evaluation Project: Mentorship and Promotion of Women Minorities in Research (MPOWR). Submitted March 2022. Amount: \$499,886. Sponsor: NSF 22-545. *Not awarded.*

12. Dey M, **Drewery ML**, Liu XP. Integrated Approach to Masters Student Mentoring through Applied Research and Training (IAMSMART) in Agriculture. Amount: \$246,000. Sponsor: USDA-NIFA-HEP. *Not awarded.*
13. Schwinning S, **Drewery ML**, Mix K, Benavides EA. Animal, Soil, and Plant Immersive Research Experience (**ASPIRE**) for Underrepresented Undergraduates. Amount: \$499,896. Sponsor: USDA-NIFA-AFRI. *Not awarded.*
14. Mix KD, **Drewery ML**. Acquisition of a ICP-OES Spectrometer for use in multidisciplinary agricultural research of the soil, plant, and animal continuum. Amount: \$93,206. Sponsor: USDA Equipment Grants Program. *Not awarded.*
15. Lu Y, **Drewery ML**, Mix KD. Acquisition of High Throughput Sequencer to Elevate Agricultural Research. Amount: \$338,350. Sponsor: USDA Equipment Grants Program. *Not awarded.*
16. Racelis A, **Drewery ML**, Mix K, et al. South Texas Agriculture Roadmap for Training, Research, Experiential Learning, and Careers (STARTREC) in Food, Agriculture, and Natural Resources. Amount: \$1,000,000; Sub-award: \$360,000. Sponsor: USDA HSI Education Grants Program. Submitted January 2020. *Not awarded.*
17. Mix KD, Schwinning S, Benavides EA, **Drewery ML**, Bell NL, Racelis A. Preparing the Next Generation for Research, Education, and Outreach in Integrated Agricultural Sciences – NexGenAg. Amount: \$750,000. Sponsor: USDA NLGCA Grants Program. *Not awarded.*

D. Scholarly fellowships, awards, honors

1. Faculty Fellow for Health and Economic Resilience Research. Translational Health Research Center, Texas State University. June 2024-.
2. College of Science and Engineering “Millionaire’s Club”. Texas State University. August 2024.
3. College of Applied Arts Excellence in Scholarly and Creative Activities. Texas State University. August 2024.
4. Presidential Distinction for Excellence in Scholarly and Creative Activities. Texas State University. August 2023.
5. College of Applied Arts Excellence in Scholarly and Creative Activities. Texas State University. August 2022.
6. Voted “Most Inspirational” by the FRAP (Faculty Research & Productivity) Network. Translational Health Research Center, Texas State University. April 2021.

E. Scholarly professional development activities attended

1. Hispanic Association of Colleges and Universities 38th Annual Conference. Aurora, Colorado. October 31st-November 4th, 2024. Conference.
2. Texas Conference for Women. Austin, TX. October 2nd, 2024. Conference.
3. Beef Cattle Short Course. College Station, TX. August 5-7, 2024. Conference.
4. American Society for Animal Science (ASAS) National meeting. Calgary, Alberta. July 21-25, 2024. Conference.
5. Hispanic-Serving Institutions (HSI) Education Grants Program Quarterly HSI Grantees Webinar. Remote/Virtual. July 18, 2024. Workshop.
6. United States Department of Agriculture (USDA) NextGen Student Summit. Washington, DC. May 15-17, 2024. Conference.
7. United States Department of Agriculture (USDA) K-14 Education Program Portfolio Project Director Meeting. Kansas City, MO. April 2-5, 2024. Workshop.
8. Health + Resilience Research Network Meeting. Texas State University. February 7, 2024. Seminar.
9. American Society for Animal Science (ASAS) Southern Section meeting. Louisville, KY. Jan 27-30, 2024. Conference.
10. United States Department of Agriculture (USDA) NextGen Project Director Meeting. Washington, DC. October 10-13, 2023. Workshop.
11. United States Department of Agriculture (USDA) 6th Annual HB2501 Program. Austin, TX. September 27-28, 2023. Conference.
12. Southern Family Farmers and Food Systems Conference. San Marcos, TX. August 7-8, 2023. Conference.
13. The Texas Conference for Women. Austin, TX. November 9-10, 2022. Conference.

14. Western Section ASAS Meeting. American Society of Animal Science. Park City, UT. September 20-23, 2022. Conference.
15. American Society for Horticulture Sciences Annual Meeting. Chicago, IL. July 30-August 3, 2022. Conference.
16. My NSF CAREER Success Story: How I bolstered my qualitative research agenda. Texas State University. February 25, 2022. Seminar.
17. Universality of Global Education Conference: Redefining community in global context. Sam Houston State University. March 4-5, 2022. Conference.
18. Western Section ASAS Meeting. American Society of Animal Science. October 18-20, 2021. Conference.
19. 2021 Western Region AAAE Conference. American Association for Agricultural Education. Bozeman, MT. September 27-29, 2021. Conference.
20. Grant Development. University of South Florida, Corporate Training & Professional Education. June 2-July 21, 2021. Workshop series.
21. Documenting the Impact of Covid-19 on Faculty Performance. Faculty Development, Texas State University. January 2021. Seminar.
22. The Effects of Covid-19 on Undergraduate Research. SURE Program, Faculty Development, and the First Gen Proud Working Group; Texas State University. November 2020. Seminar.
23. North American Coalition for Insect Agriculture Annual Meeting. North American Coalition for Insect Agriculture. October 2020. Conference.
24. Wanted: Visionaries, Innovators, & Problem Solvers. Faculty Development, Texas State University. October 2020. Seminar.
25. Tenure and Promotion to Associate Professor: Advice for Assistant Professors. Faculty Development, Texas State University. September 2020. Seminar.
26. Women in Science and Engineering Conference. Texas State University College of Science and Engineering. March 2020. Conference.
27. Deciphering Microbiomes. National Institute of Food and Agriculture. December 2019. Conference.
28. International Research Conference for Graduate Students, 11th Annual. Texas State University Graduate College. November 2019. Conference.
29. Tenure and Promotion to Associate Professor: Advice for Assistant Professors. Faculty Development, Texas State University. November 2019. Seminar.
30. Annual Evaluation and Faculty Qualifications. Faculty Development, Texas State University. November 2019. Seminar.
31. Effective Strategies for Finding Funding. Faculty Development, Texas State University. October 2019. Seminar.
32. Time Management and Career-Life Integration. Faculty Development, Texas State University. October 2019. Seminar.
33. Finding Funding for Scholarship. Faculty Development, Texas State University. September 2019. Seminar.
34. Farm & Food Leadership Conference. Small Producers Initiative, Farm & Ranch Freedom Alliance, and Council for Healthy Food Systems. August 2019.

F. Media Recognition

1. Insects & Hemp in Livestock Diets. The Feed Science Podcast (Online podcast). December 2024. https://www.youtube.com/watch?v=d_0tSxYnS4M
2. Black soldier fly workable as protein source for cattle. Feed Strategy (Online magazine article). August 2024. <https://www.feedstrategy.com/print/content/15681181>
3. Enter: Fly Larvae. Outside the Box Podcast, Faculty Development, Texas State University. October 2023. <https://podcasters.spotify.com/pod/show/faculty-development/episodes/Episode-4-Enter-Fly-Larvae-e2aavd5/a-aaf1drv>.
4. Growing up in America. 90.1 KPFT Live Radio Segment. July 19, 2023. <https://archive.kpft.org/> (search > July 19, 2023 > Growing up in America).
5. USDA awards grant to new TXST Agriculture program. KTSW 89.9 Radio Segment and Blog. July 17, 2023. <https://ktswblog.net/2023/07/17/usda-awards-grant-to-new-txst-agriculture-program-2/>.
6. Growing up in America. 90.1 KPFT Live Radio Segment. April 2023. <https://archive.kpft.org/> (search > April 12, 2023 > Growing up in America).

7. First-generation faculty share experiences during First Gen week. The University Star. (Online article) December 2022. https://www.universitystar.com/news/first-generation-faculty-share-experiences-during-first-gen-week/article_b63777da-7989-11ed-a51d-3f3a59cbce96.html
8. Texas State University program will mentor Black and Latina women in Ag. The Daily Yonder. (Online article). September 2022. https://dailyyonder.com/texas-state-university-program-will-mentor-black-and-latina-women-in-ag/2022/09/20/?mc_cid=0ad8f7fae8
9. If people won't eat bugs, maybe cows will? Fast Company. (Online article). July 2022. <https://www.fastcompany.com/90765912/if-people-wont-eat-bugs-maybe-cows-will>
10. Feeding insects to cattle could make meat and milk production more sustainable. The Conversation. (Online article). June 2022. <https://theconversation.com/feeding-insects-to-cattle-could-make-meat-and-milk-production-more-sustainable-176223>
11. "Black soldier fly larvae as beef cattle feed – price models". All About Feed. (Online article). February 2022. <https://www.allaboutfeed.net/all-about/new-proteins/black-soldier-fly-larvae-as-beef-cattle-feed-price-models/>
12. "USDA grants TXST \$360K to support underrepresented students for food, agriculture, natural resources careers." San Marcos Daily Record. (Online article). January 2022. https://www.sanmarcosrecord.com/news/usda-grants-txst-36k-support-underrepresented-students-food-agriculture-natural-resources?fbclid=IwAR3OO2WAtOtu5IJc93frQMYcjzZ5GnZ_Z2A6dlmy4IMADnEvGMSZsecn754
13. "STARTREC aims to increase underrepresented students pursuing agriculture degrees, careers." Texas State News Room, Inside TXST. (Internal communication). January 2022. <https://news.txstate.edu/inside-txst/2022/startrec-usda-grant.html>
14. "STEAM-AGED aims to increase underrepresented students pursuing agriculture degrees, careers". Texas State News Room, Inside TXST. (Internal communication). November 2021. <https://news.txstate.edu/inside-txst/2021/steam-aged-grant.html>
15. "Hispanic-Serving Institutions Spotlight: 3eX-Ag at Texas State University". United States Department of Agriculture National Institute of Food and Agriculture. (Online article). August 2021. <https://nifa.usda.gov/blog/hispanic-serving-institutions-spotlight-3ex-ag-texas-state-university>
16. "Texas State's Drewery, Shi named 2021 USDA E. Kika De La Garza Fellows". San Marcos Corridor News. (Online Article). June 2021. <https://smcorridornews.com/texas-states-drewery-shi-named-2021-usda-e-kika-de-la-garza-fellows/>
17. "USDA Selects 2021 Class of E. Kika De La Garza Fellows". United States Department of Agriculture. (Press Release). June 2021. <https://www.usda.gov/media/press-releases/2021/06/17/usda-selects-2021-class-e-kika-de-la-garza-fellows>
 - a. Also featured in: HACU News. (Online article). June 2021. <https://www.hacu.net/NewsBot.asp?MODE=VIEW&ID=3362>
18. "PODCAST: Is BSFL a viable cattle feed ingredient?". Feed Strategy. (Audio podcast). June 2021. <https://www.feedstrategy.com/feed-strategy-podcasts/podcast-is-bsfl-a-viable-cattle-feed-ingredient/>
19. "Fly larvae as feed with Merritt Drewery". Big Ideas TXST Podcast. (Audio podcast). May 2021. <https://news.txstate.edu/inside-txst/big-ideas-podcast/episode-16-fly-larvae-as-feed-with-merritt-drewery.html>
20. "Texas State researchers test feeding insect meal to cattle". Feed Strategy. (Online magazine article). April 2021. <https://www.feedstrategy.com/animal-nutrition-formulation/texas-state-researchers-test-feeding-insect-meal-to-cattle/>
21. "Fly could be key to reducing carbon footprint of livestock". Spectrum News 1. (Cable and internet news segment). April 2021. <https://spectrumlocalnews.com/tx/austin/news/2021/04/24/black-soldier-fly-could-be-key-to-reducing-carbon-footprint-of-livestock>
22. "Fly larvae studied as potentially novel livestock feed under USDA grant". San Marcos Corridor News. (Online article). April 2021. <https://smcorridornews.com/fly-larvae-studied-as-potentially-novel-livestock-feed-under-usda-grant/>
23. "Texas State Agriculture Program to Increase Underrepresented Students". San Marcos Daily Record. (Online article). January 2021. <https://www.sanmarcosrecord.com/news/texas-state-agriculture-program-increase-underrepresented-students>
24. "3eX-Ag Program Aims to Increase Underrepresented Students in Grad Programs via USDA Grant". San Marcos Corridor News. (Online article). January 2021.
 - a. <https://smcorridornews.com/3ex-ag-program-aims-to-increase-underrepresented-students-in-grad-programs-via-usda-grant/>

- b. **Also featured in:** "From the Hill: an update from President Denise M. Trauth". (Internal communication). January 2021. <https://mailchi.mp/b01c3b489e83/from-the-hill?e=66fbb842da>
25. "AG Professor Comes Full Circle with Research and Mentorship". New Faculty Research Spotlight, Emerging Research. Office of Research and Sponsored Programs, Texas State University. (Internal communication). October 2020. <https://www.txstate.edu/research/resources/research-newsletter/newsletter-archives/research-newsletter-fall-2020/faculty-research-spotlight/faculty-research-spotlight-drewery.html>

IV. Service

A. Institutional

1. University:

Over time

1. Member of the Presidential HSI Community Council. August 2022-
2. Institutional Pre-Vet Advisor. July 2022-
3. Member of the HSI-Week Planning Sub-Committee, Texas State University. August-October 2023.
4. Member of the HSI-Week Planning Sub-Committee, Texas State University. August-October 2022.
5. Member of the Institutional Biosafety Committee. September 2021-

Single day

1. Judge at Texas State STEM Conference. April 2024.
2. Panelist for the First-Gen Council ("Can I Be the First Researcher? A Panel on First Generation Experiences in Research"), Texas State University. November 7, 2023.
3. Member of the Outstanding Master's Thesis Award (Life Sciences) Selection Committee. November 2023.
4. Judge at TXST Undergraduate Research Conference. April 2023.
5. Judge at Texas State STEM Conference. March 2023.
6. Panelist for the First-Gen Council ("What does it mean to be First Gen? A faculty panel"), Texas State University. November 7, 2022.
7. Panelist at the IDEA Center Undergraduate Research Forum, Texas State University. March 23, 2022.
8. Judge at International Research Conference (IRC) for Graduate Students: Texas State Spring 2022.
9. Roundtable leader for New Tenure Track Faculty Orientation: Becoming a Productive Scholar and Researcher. August 2021.
10. Judge at International Research Conference (IRC) for Graduate Students: Texas State Spring 2021.
11. Roundtable leader for New Tenure Track Faculty Orientation: Becoming a Productive Scholar and Researcher. August 2020.
12. Judge at 11th Annual International Research Conference for Graduate Students. Fall 2019.

2. College:

Over time

1. Search Committee Member for Open Rank Professor, Department of Biology. Dec 2024-
2. Committee member for the Selection Committee for the Presidential Award for Excellence in Service. 2021-
3. Committee member for the College Research Enhancement Committee. August 2020-2023.

Single day

1. Graduate Marshal at Commencement. December 2022.
2. Undergraduate Marshal at Commencement. May 2022.

2. Department/School:

Over time

1. Search Committee Member for Assistant Professor in Animal Science, Department of Agricultural Sciences. Dec 2024-
2. Chair of the Governance Committee. August 2024-
3. Faculty advisor of the Pre-Vet Society. July 2022-
4. Program and Student Outcome Assessments Coordinator: Animal Science. April 2021-
5. Member of the Curriculum Committee. August 2022-May 2023, August 2024-.
6. Co-organizer/Co-host, Milk Products, Texas State University Career Development Event (CDE). January 2024-March 2024; January 2023-March 2023; January 2022-March 2022.
7. Search Committee Member for Admin Assistant II. Feb 2023-March 2023.
8. Co-chair of the Departmental Self-Study for SACSCOC accreditation. August 2022-Jan 2023
9. Member of the Assistant Professor in Animal Science Search Committee. August 2022-November 2022.
10. Co-chair of the Scholarship Committee. August 2020-August 2023.
11. Search Committee Member for Admin Assistant II. Oct 2020-March 2020.

Single day

1. Commencement. December 2024.
2. Bobcat Welcome. August 21, 2024.
3. Commencement. May 2024.
4. Bobcat Days. April 20, 2024.
5. Commencement. December 2023.
6. Judge for Job Interview, Texas State University Leadership Development Event (LDE). October 27, 2023.
7. Bobcat Welcome. August 16, 2023.
8. Commencement. May 2023.
9. Volunteer at College of Applied Arts Welcome Event. August 17, 2022.
10. Volunteer at Bobcat Days, Texas State University. February 19, 2022.
11. Organizer/Host, Milk Products, Texas State University Career Development Event (CDE)..
12. Commencement. December 2021.
13. Volunteer at Texas State Collegiate FFA Invitational/Leadership Development Event (LDE). November 5, 2021.
14. Departmental representative at the Department of Agricultural Sciences Alumni Meeting at the Agriculture Teachers Association of Texas Conference, Corpus Christi, TX. July 21, 2021.
15. Commencement. May 2021.
16. Animal Science Club presentation: "Black Soldier Fly Larvae as a Feed for Livestock". April 2021.
17. Organizer/Host, Ag Communications, Texas State University Career Development Event (CDE). March 2021.
18. Organizer for the webinar "Grad School Prep for First-Gen Students in Ag". February 2021.
19. Search Committee Member for Admin Assistant III. October 2020-November 2020.
20. Commencement. Fall 2019.
21. Graduate and Professional School Fair. Fall 2019.
22. Volunteer at Bobcat Days, Texas State University. Fall 2019.
23. Animal Science Club presentation: "Careers in Animal Science". Fall 2019.

B. Professional:

1. Federal Grant Peer Review Panelist – 2024 USDA- NIFA, Food, Agricultural, Natural Resources, and Human Sciences Grant Programs. November 18th-20th, 2024.
2. USDA-NIFA HSI RFA Working Group. August 2nd-27th, 2024.
3. Federal Grant Peer Review Panelist – 2024 USDA- NIFA, Food, Agricultural, Natural Resources, and Human Sciences Grant Programs. July 15th-17th, 2024.
4. Moderator at *Southern Family Farmers & Food Systems Conference*. August 2023.
5. Grant Peer Review Panelist – 2023 Dairy Farmers of Canada. April-May 2023.
6. Federal Grant Peer Review Panelist – 2023 USDA- NIFA, Food, Agricultural, Natural Resources, and Human Sciences Grant Programs. March 1st-3rd 2023

7. Reviewer for Translational Animal Science. December 2023-
8. Moderator at *Southern Family Farmers and Food Systems Conference*. August 7-9, 2022.
9. Editorial Board Member at *Frontiers in Animal Science (Animal Nutrition)*. May 2022-
10. Reviewer for *Journal of Insects as Food and Feed*. 2022-
11. Reviewer for *Journal of Human Nutrition and Dietetics*. 2016-2021.
12. Reviewer for *Journal of Pediatric Gastroenterology and Nutrition*. 2019.
13. Moderator at *Farm & Food Leadership Conference*. August 2019.
14. Reviewer for the *Journal of the Royal Society Interface*. 2018.
15. Reviewer for *EC Nutrition*. 2017.
16. Reviewer for *Annual Research & Review in Biology*. 2017.

D. Organization Memberships:

1. *Member of American Society of Animal Scientists*. March 2021-
2. *Member of American Association of Agricultural Educators*. Aug 2021-July 2022
3. *Member of the Texas Beef Team (Texas Beef Council)*. Jan 2021-July 2023.
4. *Member of the American Oil Chemists' Society*. 2011-2017.

3. Community:

1. *Board Member* at Main Street Advisory Board, City Council, San Marcos, TX. September 2024-. Estimated volunteer hours per month: 6.
2. *Volunteer* at Eyes of the San Marcos River, San Marcos, TX. June 2024-. Estimated volunteer hours per month: 4.
3. *Aquareina* at the Mermaid Society of Texas, San Marcos, TX. March 2024-. Estimated volunteer hours per month: 15.
 - a. Member, Strategic Planning Committee
 - b. Member, Social and Community Committee
4. *Volunteer* at Friends of the Library, San Marcos, TX. Jan 2024-. Estimated volunteer hours per month: 0.5.