Morgan N. Thompson

Curriculum Vitae
Department of Entomology, Texas A&M University
2475 TAMU, College Station, Texas 77843
mthompson@tamu.edu | 732-850-5789

EDUCATION

Texas A&M University, College Station, Texas

Doctor of Philosophy in Entomology

Expected by December 2024

Dissertation: Local and systemic plant defense responses to above- and belowground

specialist herbivores

Advisor: Dr. Anjel Helms

University of Maryland, College Park, Maryland

Master of Science in Entomology

May 2019

Thesis: Evaluating the effect of potato leafhopper (Family: Cicadellidae) feeding on

biological nitrogen fixation of alfalfa (Medicago sativa)

Advisor: Dr. William Lamp

College of William and Mary, Williamsburg, Virginia

Bachelor of Science Degree in Biology

May 2016

Honors Thesis: The effect of climate variation on population dynamics of butterfly

species across southeastern Virginia

Advisor: Dr. Matthias Leu

RESEARCH EXPERIENCE

USDA NIFA AFRI Predoctoral Fellow

June 2023-Present

Department of Entomology, Texas A&M University

Merit Fellow and Teaching Assistant

June 2019-June 2023

Department of Entomology, Texas A&M University

Graduate Research and Teaching Assistant

September 2016-May 2019

Department of Entomology, University of Maryland

Undergraduate Research Assistant

May 2014-May 2016

Department of Biology, College of William and Mary

RESEARCH GRANTS

USDA NIFA AFRI Predoctoral Fellowship (\$120,000)

June 2023-June 2025

"Micro-management: identifying crop-protective microbiota for enhanced plant resistance to insect pests"

Sigma Xi Grant in Aid of Research (\$500)

January 2022-January 2023

"Playing the wild card: comparing microbial communities of domesticated and wild plant species for resistance to insect herbivory"

Texas Ecological Laboratory (Ecolab) Research Grant (\$4,929) January 2019-January 2021 "Can a weedy gourd species attract and support agricultural insect pests?"

Northeast SARE Graduate Student Grant (\$8,804) May 2018-June 2019 "Evaluating the effect of potato leafhopper feeding on biological nitrogen fixation in alfalfa"

PEER-REVIEWED PUBLICATIONS

*undergraduate student mentored ^co-first authorship

- 10. **Thompson, M.N.** ^, J. Arriaga*^, B.J. Bradford1*^, R. Kurian*^, G. Strozier1*^, and A.M. Helms (2023) Belowground insect herbivory induces systemic volatile emissions that strengthen neighboring plant resistance aboveground. *Plant, Cell & Environment*. https://doi.org/10.1111/pce.14762
- 9. **Thompson, M.N.**, J.M. Grunseich, L.O. Marmolejo*, N.M. Aguirre, P.A. Bradicich, S.T. Behmer, C.P.-C. Suh, and A.M. Helms (2022) Undercover operation: Belowground insect herbivory modifies systemic plant defense and repels aboveground foraging insect herbivores. *Frontiers in Ecology and Evolution*. https://doi.org/10.3389/fevo.2022.1033730
- 8. **Thompson, M.N.**, R.F. Medina, A.M. Helms, and J.S. Bernal (2022) Improving natural enemy selection in biological control through greater attention to chemical ecology and host-associated differentiation of target arthropod pests. *Insects*. https://doi.org/10.3390/insects13020160
- 7. Marmolejo, L.O.*, **M.N. Thompson**, and A.M. Helms (2021) Defense suppression through interplant communication depends on the attacking herbivore species. *Journal of Chemical Ecology*. https://doi.org/10.1007/s10886-021-01314-6
- 6. Grunseich, J.M., N.M. Aguirre, **M.N. Thompson**, J.G. Ali, and A.M. Helms (2021) Chemical cues from entomopathogenic nematodes vary across three species with different foraging strategies, triggering different behavioral responses in prey and competitors. *Journal of Chemical Ecology*. https://doi.org/10.1007/s10886-021-01304-8
- 5. **Thompson, M.N.**, and W.O. Lamp (2021) Herbivory enhances legume-rhizobia symbioses function, increasing aboveground allocation of biologically fixed nitrogen, but only in soils without additional nitrate. *Plant and Soil*. https://doi.org/10.1007/s11104-021-04999-6
- 4. Eyer, P.A., P.T. Shults, M.R. Chura, M.N. Moran, **M.N. Thompson**, A.M. Helms, R.K. Saran, and E.L. Vargo (2021) Divide and conquer: Multicolonial structure, nestmate recognition, and antagonistic behaviors in dense populations of the invasive ant *Brachymyrmex patagonicus*. *Ecology and Evolution*. https://doi.org/10.1002/ece3.7396
- 3. Bernaola, L., M. Darlington, K. Britt, P. Prade, M. Roth, A. Pekarcik, M. Boone, D. Ricke, A. Tran, J. King, K. Carruthers, **M. Thompson**, J.J. Ternest, S.E. Anderson, S.W. Gula, K.C. Hauri, J.R. Pecenka, S. Grover, H. Puri, and S. G. Vakil (2021) Technological advances to address current issues in entomology: 2020 Student Debates. *Journal of Insect Science*. https://doi.org/10.1093/jisesa/ieab025
- 2. Grunseich, J.M., **M.N. Thompson**, A.A. Hay, Z. Gorman, M.V. Kolomiets, M.D. Eubanks, and A.M. Helms (2020) Risky roots and careful herbivores: Sustained herbivory by a root-feeding herbivore attenuates indirect plant defences. *Functional Ecology*. https://doi.org/10.1111/1365-2435.13627
- 1. Grunseich, J.M.^, **M.N. Thompson**^, N. Aguirre, and A.M. Helms (2019) The role of plant-associated microbes in mediating insect herbivore foraging behavior. *Plants*. https://doi.org/10.3390/plants9010006

MANUSCRIPTS IN ADVANCED STAGES

*undergraduate student mentored

- *In prep.* **Thompson, M.N.**, D.W. Bapst, M.D. Eubanks, M.V. Kolomiets, and A.M. Helms. Systemic plant responses to invertebrate herbivory: a meta-analysis. (for *Ecology Letters*)
- *In prep.* **Thompson, M.N.,** D. Merrell*, J.G. Garces*, B.J. Bradford*, C.P.-C. Suh, and A.M. Helms. Plant domestication and co-existence history with insect herbivores differentially shapes defense responses to aboveground and belowground attackers. (for *Functional Ecology*)
- *In prep.* **Thompson, M.N.** and W.O. Lamp. Potato leafhopper (Hemiptera: Cicadellidae) injury alters nitrogen acquisition and allocation in *Medicago sativa* across cultivars and cropping systems. (for *Environmental Entomology*)

NON-PEER REVIEWED/EXTENSION PUBLICATIONS

- 3. King, J., **M. Thompson**, and J. Martin. (2022) The mothers of entomological history: Reflecting on who we honor and how we do it. *Entomology Today*.
- 2. **Thompson, M.N.**, and W.O. Lamp (2019) Can aboveground pest pressure disrupt nitrogen fixation in alfalfa? *Maryland Agronomy News*.
- 1. **Thompson, M.N.**, and W.O. Lamp (2017) Pest alert: Kudzu bugs found on Maryland soybeans. *Agronomy News*.

INVITED ORAL PRESENTATIONS

- 8. "Getting to the root of cucurbits: Belowground insect herbivory alters aboveground plant defense, herbivore foraging, and neighboring plants." Entomological Society of America Eastern Branch Meeting, Member Symposium, Morgantown, WV, *March 2024*
- 7. "Danger from below: Plants detect root herbivore-damaged neighbors and enhance aboveground defenses" Texas A&M University Recruitment Symposium, College Station, TX, February 2024
- 6. "Ecological consequences of systemic plant defense against insect herbivory." Entomological Society of America Annual Meeting, Rising Stars of Entomology Award Symposium, National Harbor, MD, November 2023
- 5. "Unexpected chatter in plant-plant communication." Entomological Society of America Joint North Central and Southwestern Branch Meeting, Member Symposium, Oklahoma City, OK, *April* 2023
- 4. "Ecological consequences of plant defense against aboveground and belowground insect herbivory." American Society of Plant Biologists, Environmental and Ecological Plant Physiology Section (Virtual), *April* 2023
- 3. "Belowground insect herbivory deters aboveground foraging herbivores." Texas A&M University Life Sciences Recruitment Symposium, College Station, TX, *February 2022*
- 2. "Systemic plant responses to belowground herbivory deter aboveground herbivores." International Symposium on Insect-Plant Relationships, Community Ecology Session (Virtual), *July 2021*
- 1. "Plant responses to belowground herbivory alter interactions with aboveground herbivores."

 Entomological Society of America Annual Meeting, Plant-Insect Ecosystem Section Symposium (Virtual), *November 2020*

ORAL PRESENTATIONS

18. "Soil microbiota modulate crop resistance to fall armyworm (*Spodoptera frugiperda*) herbivory." Beltwide Cotton Conference, Fort Worth, TX, *January 2024*

- 17. "Eavesdropping plants: Belowground insect herbivory strengthens neighboring plant defenses aboveground." Texas A&M University 26th Annual Graduate Student Forum, College Station, TX, *August 2023*
- 16. "Underneath it all: Belowground insect herbivory enhances systemic plant defense and deters aboveground herbivores." Entomological Society of America Joint North Central and Southwestern Branch Meeting, Oklahoma City, OK, *April 2023*
- 15. "Exposure to parasitic nematodes modifies cotton growth and defense across different soil microbial communities." Beltwide Cotton Conference, New Orleans, LA, *January 2023*
- 14. "Taking root: Plant-herbivore coexistence history alters belowground plant defense." Entomological Society of America, Canada, and British Columbia Joint Annual Meeting, Vancouver, BC, Canada, *November 2022*
- 13. "How the chemical ecology of host-associated differentiation improves natural enemy selection for biological control." Entomological Society of America Southwestern Branch Meeting, Dallas, TX, *April 2022*
- 12. "Coexistence history shapes plant defense strategies against belowground root herbivores." Texas A&M University 24th Annual Graduate Student Forum, College Station, TX, *August 2021*
- 11. "The root cause: belowground herbivory repels aboveground foraging herbivores." Entomological Society of America (Virtual) Southwestern Branch Meeting, *June 2021*
- 10. "Undercover operation: root herbivory modifies aboveground plant-herbivore interactions." Texas A&M University 23rd Annual (Virtual) Graduate Student Forum, *August 2020*
- 9. "Aboveground insect herbivores respond to belowground herbivory on a shared host-plant." Texas A&M University (Virtual) Ecological Integration Symposium, *April 2020*
- 8. "How do plant-associated microbes modify host-plant selection for insect herbivores?" Entomological Society of America Virtual Joint North Central and Southwestern Branch Meeting *April 2020*
- 7. "Soil nutrients and aboveground herbivory alter belowground nitrogen fixation in alfalfa." Entomological Society of America Annual Meeting, St Louis, MO, *November 2019*
- 6. "Evaluating the effect of potato leafhopper feeding on biological nitrogen fixation in alfalfa." Northeastern IPM Center Online Conference, *October 2019*
- 5. "Aboveground insect herbivory alters a belowground plant-microbe mutualism." Ecological Society of America Mid-Atlantic Meeting, Bowie, MD, *April 2019*
- 4. "Potato leafhopper (*Empoasca fabae*) feeding alters above- and belowground nutrient allocation and nitrogen fixation across alfalfa cultivars." Entomological Society of America Eastern Branch Meeting, Blacksburg, VA, *March 2019*
- 3. "Can aboveground potato leafhopper (*Empoasca fabae*) feeding disrupt belowground nitrogen fixation in alfalfa?" Entomological Society of America, Canada, and British Columbia Joint Annual Meeting, Vancouver, BC, Canada, *November 2018*
- 2. "Connecting a belowground mutualism to aboveground herbivory: microbe-plant-insect interactions." Ecological Society of America Annual Meeting, New Orleans, LA, *August 2018*
- 1. "Comparing patterns of injury caused by potato leafhopper (Cicadellidae) on nitrogen production across different alfalfa (*Medicago sativa*) cropping systems." Entomological Society of America Eastern Branch Meeting, Annapolis, MD, *March 2018*

POSTER PRESENTATIONS

- 5. "Cross-compartment systemic plant responses to herbivory: a meta-analysis." Gordon Research Conference: Plant-Herbivore Interactions, Ventura, CA, *March 2023*
- 4. "Tapping into emergency funds: a meta-analysis on systemic plant responses to above- and belowground herbivory." Plant Biology, Portland, OR, *July 2022*

- 3. "Using a meta-analysis approach to explore systemic plant responses to above- and belowground insect herbivory." Entomological Society of America Annual Meeting, Denver, CO, *November* 2021
- 2. "Comparing patterns of injury associated with potato leafhopper (Family: Cicadellidae) feeding across different alfalfa (*Medicago sativa*) cropping systems." International Integrated Pest Management Symposium, Baltimore, MD, *March 2018*
- 1. "Comparing patterns of injury associated with potato leafhopper (Family: Cicadellidae) feeding across different alfalfa (*Medicago sativa*) cropping systems." Bioscience Day, University of Maryland, College Park, MD, *November 2017*

AWARDS

AWARDS	
Research Accomplishment Awards and Fellowships	
Vice Chancellor's Award in Excellence for Graduate Student Research,	2023
Texas A&M University	
College of Agriculture and Life Sciences Dean's Outstanding	2023
Achievement Award for Graduate Research, Texas A&M	
University	
John Henry Comstock Graduate Student Award Entomological	2023
Society of America Southwestern Branch	
Kenneth and Barbara Starks Plant Resistance to Insects Graduate Student	2022
Award, Entomological Society of America, Plant-Insect Ecosystems	
Section	
Outstanding Graduate Student Award for Ph.D. Student, Department of	2022
Entomology, Texas A&M University	
John A. Jackman Endowed Scholarship, Department of Entomology,	2021-2022
Texas A&M University	
Merit Fellowship, College of Agriculture & Life Sciences,	2019-2023
Texas A&M University	
Gahan Fellowship Award, Department of Entomology,	2016-2019
University of Maryland	2016
Dean's Fellowship Award, University of Maryland Graduate School	2016
Research Presentation Awards	
1 st place oral presentation, Texas A&M University 26 th Annual	2023
Graduate Student Forum	
1 st place oral presentation, Entomological Society of America	2023
Joint North Central and Southwestern Branch Meeting Student	
Competition	
1 st place oral presentation, Entomological Society of America	2022
Student Competition	
2 nd place oral presentation, Texas A&M University 24 th Annual	2021
Graduate Student Forum	
1 st place oral presentation, Entomological Society of America	2021
Southwestern Branch Meeting Student Competition	
1 st place oral presentation, Texas A&M University 23 rd Annual	2020
Graduate Student Forum	2020
2 nd place oral presentation, Entomological Society of America	2020
Joint North Central and Southwestern Branch Meeting Student	
Competition	

1 st place oral presentation, Ecological Society of America Mid-Atlantic Meeting Student Competition	c 2019
2 nd place oral presentation, Entomological Society of America Eastern Branch Meeting Student Competition	2019
1 st place oral presentation, Entomological Society of America Student Competition	2018
1 st place poster presentation, Bioscience Day, University of Maryland	2017
Service Awards	
Accountability, Climate and Equity Women's Progress Award, Texas A&M University	2022
Ethel Ashworth-Tsutsui Memorial Award for Mentoring, Women in Science and Engineering (WISE), Texas A&M University	2022
Travel Awards	
Goldhaber Travel Award, University of Maryland Graduate School International Conference Student Award, University of Maryland Graduate School	2018 2018
Student Section Travel Award, Ecological Society of America Charlie Mitter Travel Award, Department of Entomology, University of Maryland	2018 2018
TEACHING EXPERIENCE	
Teaching Assistant	
Insect Ecology, Department of Entomology, Texas A&M University	Spring 2023
Principles of Biology III, Department of Biology, University of Maryland	Fall 2018
Biology of Insects, Department of Entomology, University of Maryland	Spring 2018
Pollinators in Crisis, Department of Entomology, University of Maryland	Fall 2017
Principles of Molecular & Cellular Biology, Department of Biology, University of Maryland	Spring 2017, 2019
Principles of Evolution, Department of Biology, University of Maryland	Fall 2016
Invited Guest Lecturer	
Theory of Research (Graduate Course), Department of Plant Pathology, Texas A&M University	Spring 2023
Field Crop Insects (Undergraduate Course), Department of Entomology, Texas A&M University	Spring 2023
Chemical Ecology (Graduate Course), Department of Entomology, Texas A&M University	Fall 2021, 2023
Insect Ecology (Undergraduate Course), Department of Entomology, Texas A&M University	Spring 2020, 2022

CURRENT RESEARCH MENTEES Team of Undergraduate Researchers

Team of Undergraduate Researchers through Aggie Research Program at	
Texas A&M University	
Jayda Arriaga, Jack Bradford, Rachel Kurian, Gage Strozier	
Oral presentation (Jayda Arriaga, Rachel Kurian, Gage Strozier),	2024
Texas A&M University Ecological Integration Symposium	
Oral presentation (Jayda Arriaga, Rachel Kurian, Gage Strozier),	2024
Texas A&M University Student Research Week	
Undergraduate Research Scholars Honors Thesis Program (Jack Bradford,	2023-2024
Rachel Kurian, Gage Strozier), Texas A&M University	
1 st place oral presentation (<i>Rachel Kurian</i>), Entomological Society of	2023
America Joint North Central and Southwestern Branch Meeting	
Oral presentation (Jack Bradford), Entomological Society of America	2023
Joint North Central and Southwestern Branch Meeting	
Oral presentation (<i>all students</i>), Texas A&M University Ecological Integration Symposium	2023
Oral presentation (<i>all students</i>), Texas A&M University Aggie	2022
Research Showcase	2022
Research project for course credit (ENTO 491) during spring	2022
semester (Jayda Arriaga)	2022
2 nd place oral presentation (<i>all students</i>), Texas A&M University	2022
Student Research Week	
FORMER RESEARCH MENTEES	
Undergraduate Researcher through USDA-NIFA funded Research and Education Experiences for Undergraduates (REEU) Program at Texas A&M University	on
Jeremy Garces (pursuing B.S. in Biology at University of Texas Rio Grande Valley)	
Poster presentation, Texas A&M Summer Undergraduate Research	2023
Poster Session	
Oral presentation, Texas A&M Diversity in Entomology Summer	2023
REEU Program Presentations	
Undergraduate Researcher through Helms Lab at Texas A&M University	
Laura Marmolejo (now pursuing M.S. in Entomology at Michigan State University)	
Oral presentation, Entomological Society of America, Canada, and	2022
British Columbia Joint Annual Meeting	
1st place oral presentation, Entomological Society of America	2022
Southwestern Branch Meeting	
Oral presentation, Texas A&M University Student Research Week	2022
College of Agriculture and Life Sciences Dean's Outstanding	2022
Achievement Award for Undergraduate Research, Texas	
A&M University	
Oral presentation, Entomological Society of America Annual Meeting	2021
Southwestern Branch Undergraduate Student Achievement in	2021
Entomology Award, Entomological Society of America	
1st place oral presentation, Entomological Society of America	2021
Southwestern Branch Meeting	
Oral presentation, Entomological Society of America Annual Meeting	2020

2 nd place oral presentation, Aggie Women in Entomology (AWE) Undergraduate Research Symposium	2020
Undergraduate Researcher through Helms Lab at Texas A&M University Danielle Merrell (now pursuing Ph.D. in Horticulture and Agronomy at Unive California, Davis)	
Oral presentation, Entomological Society of America Annual Meeting Oral presentation, Entomological Society of America Southwestern Branch Meeting	2021 2021
Oral presentation, Central Ecology and Evolution Conference	2021
Undergraduate Researcher through Lamp Lab at University of Maryland Emily Mast (now pursuing O.T.D. at Mary Baldwin University)	I
Poster presentation, University of Maryland Undergraduate Research D Undergraduate research credit hours, University of Maryland	Day 2019 2018-2019
Undergraduate Researcher through Lamp Lab at University of Maryland Sami Louguit	I
Undergraduate research credit hours, University of Maryland	2018
High School Researchers through Lamp Lab at University of Maryland Nina McGranahan	
High school science & technology internship program	2018-2019
Cameron Anderson	
High school science & technology internship program	2017-2018
PROFESSIONAL SERVICE	
Panelist, Texas A&M Graduate Student Panel: Helping Undergraduate Student	ts 2024
Prepare for Graduate School	
Symposium co-organizer, Entomological Society of America Joint North Central and Southwestern Branch Meeting (<i>How plant stress affects insects: herbivores, pollinators, and more</i>)	2023
Student affairs committee member, Entomological Society of America	2022, 2023
Southwestern Branch	2022, 2023
Panelist, Texas A&M University Mentoring Undergraduate Researchers Workshop	2022, 2023
Graduate student representative, Faculty search committee for tenure-track Assistant Professor of Entomology – Global Public Health,	2022
Department of Entomology, Texas A&M University	
Aggie Allies Training for Supporting LGBTQ+ Students	2022
Symposium co-organizer, Entomological Society of America Annual	2021, 2022, 2024
Meeting (2024: Multifunctional chemicals cues? Comparing plant	
volatiles that influence behaviors of insect herbivores, pollinators, and natural enemies; 2022: Highlighting women's research: Abiotic	
and biotic stressors of agricultural food-systems; 2021: Highlighting	
women's research: Insect adaptations to a changing world)	
Aggie Women in Entomology Salary Negotiation Workshop Organizer	2021
President, Aggie Women in Entomology, Department of Entomology, Texas A&M University	2021-2022

Black History Month Panel Discussion Organizer: "The contributions of Black entomologists to insect sciences"	2021
Graduate student representative, Diversity, Equity and Inclusion Committee, Department of Entomology, Texas A&M University	2020-2022
Seminar chair, Entomological Graduate Student Organization, Department of Entomology, Texas A&M University	2020-2021
Student debate competitor, Entomological Society of America	2020
Discussion leader, Entomological Society of America Plant-Insect	2020
Ecosystems Wildly Important Goals: Public Education & Outreach Peer reviewer of research manuscripts in the journals: <i>Plant and Soil</i> (1), <i>Microbial Ecology</i> (1), <i>Biological Control</i> (2), <i>Arthropod-Plant</i>	2020-Present
Interactions (1) Social chair, Entomological Student Organization, Department of	2017-2018
Entomology, University of Maryland	
Entomology Games (formerly 'Linnean Games') competitor, Entomological Society of America	2017-2023
PROFESSIONAL ASSOCIATIONS	
Ecological Society of America	2018-Present
Entomological Society of America	2017-Present
COMMUNITY OUTREACH AND SERVICE	
,	2017-Present 2023
COMMUNITY OUTREACH AND SERVICE Regional High School Science Bowl Moderator Elementary School 'Entomology in Spanish' Event Coordinator	2017-Present 2023 2022, 2023
COMMUNITY OUTREACH AND SERVICE Regional High School Science Bowl Moderator Elementary School 'Entomology in Spanish' Event Coordinator 'Research and Brews' seminar through Texas A&M University	2017-Present 2023
COMMUNITY OUTREACH AND SERVICE Regional High School Science Bowl Moderator Elementary School 'Entomology in Spanish' Event Coordinator 'Research and Brews' seminar through Texas A&M University Graduate and Professional Student Government	2017-Present 2023 2022, 2023 2022
COMMUNITY OUTREACH AND SERVICE Regional High School Science Bowl Moderator Elementary School 'Entomology in Spanish' Event Coordinator 'Research and Brews' seminar through Texas A&M University Graduate and Professional Student Government Aggie Women in Entomology Presentation at Girl Scout Camp	2017-Present 2023 2022, 2023 2022 2021
COMMUNITY OUTREACH AND SERVICE Regional High School Science Bowl Moderator Elementary School 'Entomology in Spanish' Event Coordinator 'Research and Brews' seminar through Texas A&M University Graduate and Professional Student Government Aggie Women in Entomology Presentation at Girl Scout Camp Ronin Spring Farm Day Volunteer	2017-Present 2023 2022, 2023 2022 2021 2021, 2022
COMMUNITY OUTREACH AND SERVICE Regional High School Science Bowl Moderator Elementary School 'Entomology in Spanish' Event Coordinator 'Research and Brews' seminar through Texas A&M University Graduate and Professional Student Government Aggie Women in Entomology Presentation at Girl Scout Camp Ronin Spring Farm Day Volunteer Texas A&M University Student Research Week Judge	2017-Present 2023 2022, 2023 2022 2021 2021, 2022 2021, 2024
COMMUNITY OUTREACH AND SERVICE Regional High School Science Bowl Moderator Elementary School 'Entomology in Spanish' Event Coordinator 'Research and Brews' seminar through Texas A&M University Graduate and Professional Student Government Aggie Women in Entomology Presentation at Girl Scout Camp Ronin Spring Farm Day Volunteer Texas A&M University Student Research Week Judge Texas Science & Engineering Fair Judge	2017-Present 2023 2022, 2023 2022 2021 2021, 2022
COMMUNITY OUTREACH AND SERVICE Regional High School Science Bowl Moderator Elementary School 'Entomology in Spanish' Event Coordinator 'Research and Brews' seminar through Texas A&M University Graduate and Professional Student Government Aggie Women in Entomology Presentation at Girl Scout Camp Ronin Spring Farm Day Volunteer Texas A&M University Student Research Week Judge	2017-Present 2023 2022, 2023 2022 2021 2021, 2022 2021, 2024
COMMUNITY OUTREACH AND SERVICE Regional High School Science Bowl Moderator Elementary School 'Entomology in Spanish' Event Coordinator 'Research and Brews' seminar through Texas A&M University Graduate and Professional Student Government Aggie Women in Entomology Presentation at Girl Scout Camp Ronin Spring Farm Day Volunteer Texas A&M University Student Research Week Judge Texas Science & Engineering Fair Judge	2017-Present 2023 2022, 2023 2022 2021 2021, 2022 2021, 2024 2020-2022, 2024
COMMUNITY OUTREACH AND SERVICE Regional High School Science Bowl Moderator Elementary School 'Entomology in Spanish' Event Coordinator 'Research and Brews' seminar through Texas A&M University Graduate and Professional Student Government Aggie Women in Entomology Presentation at Girl Scout Camp Ronin Spring Farm Day Volunteer Texas A&M University Student Research Week Judge Texas Science & Engineering Fair Judge Ecology and Evolutionary Biology Program Darwin Day Volunteer STEM Pack Meeting at Bowen Elementary School Volunteer Brazos Museum of Natural History's Owl-O-Ween Festival Volunteer	2017-Present 2023 2022, 2023 2022 2021 2021, 2022 2021, 2024 2020-2022, 2024 2020, 2021
COMMUNITY OUTREACH AND SERVICE Regional High School Science Bowl Moderator Elementary School 'Entomology in Spanish' Event Coordinator 'Research and Brews' seminar through Texas A&M University Graduate and Professional Student Government Aggie Women in Entomology Presentation at Girl Scout Camp Ronin Spring Farm Day Volunteer Texas A&M University Student Research Week Judge Texas Science & Engineering Fair Judge Ecology and Evolutionary Biology Program Darwin Day Volunteer STEM Pack Meeting at Bowen Elementary School Volunteer	2017-Present 2023 2022, 2023 2022 2021 2021, 2022 2021, 2024 2020-2022, 2024 2020, 2021 2020