Morgan N. Thompson

Curriculum Vitae
Department of Entomology, University of Maryland
College Park, Maryland, USA
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EDUCATION

Texas A&M University, College Station, Texas
Doctor of Philosophy in Entomology December 2024
Dissertation: Local and systemic plant defense against aboveground and belowground specialist insect 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 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

Postdoctoral Research Associate January 2025-Present
Department of Entomology, University of Maryland
Supervisor: Dr. Karin Burghardt

USDA NIFA AFRI Predoctoral Fellow June 2023-December 2024
Department of Entomology, Texas A&M University
Supervisors: Drs. Anjel Helms & Lindsey Perkin

Merit Fellow and Teaching Assistant June 2019-June 2023
Department of Entomology, Texas A&M University
Supervisor: Dr. Anjel Helms

Graduate Research and Teaching Assistant September 2016-May 2019
Department of Entomology, University of Maryland
Supervisor: Dr. William Lamp

Undergraduate Research Assistant May 2014-May 2016
Department of Biology, College of William and Mary
Supervisor: Dr. Matthias Leu

RESEARCH GRANTS

USDA NIFA AFRI Predoctoral Fellowship ($120,000) June 2023-December 2024
"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

13. **Thompson, M.N.,** E.M. Russavage, J.G. Garces*, B.J. Bradford*, D. Merrell*, C.P.-C. Suh and A.M. Helms (2025) Cucurbit plant defenses against aboveground or belowground insect herbivores are distinct and shaped by eco-evolutionary factors. *Basic and Applied Ecology*. https://doi.org/10.1016/j.baae.2025.04.002
12. Russavage, E.M., A.M. Helms, **M.N. Thompson,** A. Szczepaniec, W.L. Rooney, D.L. Kerns, and M.D. Eubanks (2025) Indirect plant defense may provide economically important pest suppression in sorghum. *Pest Management Science*. https://doi.org/10.1002/ps.8813
11. **Thompson, M.N.,** Z.P. Cohen, D. Merrell*, and A.M. Helms (2024) Eco-evolutionary factors contribute to chemodiversity in aboveground and belowground cucurbit herbivore-induced plant volatiles. *Plant Biology*. http://doi.org/10.1111/plb.13709
10. **Thompson, M.N.** ^, J. Arriaga*^, B.J. Bradford*^, R. Kurian*^, G. Strozier*^, 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

FORTHCOMING MANUSCRIPTS

*undergraduate student mentored ^co-first authorship

Under review. **Thompson, M.N.,** C. Fahey, J.D. Parker, J. Pullen, K. McGurrin, L.M. Schmitt, E.A. Griffin, and K.T. Burghardt. Tree consumers respond to biodiversity-driven functional leaf trait plasticity. (for *New Phytologist*)

Under review. **Thompson, M.N.^,** E.M. Russavage^, and O.M. Bernauer^. Making 'scents' of how plant volatiles influence agriculturally-important insects: a review. (for *Environmental Entomology*)

Under review. Oliveira, S.P., N.M. Aguirre, **M.N. Thompson,** J.M. Grunseich, D.C. Weber, M.G.V. Peñaflor, and A.M. Helms. Simultaneous exposure to herbivore aggregation pheromone and herbivore-induced plant volatiles strengthens plant defense priming. (for *Plant, Cell & Environment*)

In prep. **Thompson, M.N.**, J. Arriaga*, C.P.-C. Suh, L.C. Perkin, and A.M. Helms. Crop rotation and insect herbivory alter plant-associated microbiota and enhance plant antiherbivore resistance. (for *Microbiome*)

In prep. **Thompson, M.N.**, J. Arriaga*, B.J. Bradford*, R. Kurian*, G. Strozier*, and A.M. Helms. Plant exposure to systemic herbivore-induced plant volatiles influences insect oviposition preference. (for *Ecological Entomology*)

In prep. **Thompson, M.N.**, D.W. Bapst, S.T. Behmer, M.V. Kolomiets, M.D. Eubanks and A.M. Helms. Systemic plant responses induced by aboveground or belowground invertebrate herbivory: a meta-analysis. (for *Ecology Letters*)

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

16. "Linking mechanisms to multitrophic consequences of plant defense against insect herbivory." College of William and Mary, Invited Seminar, Williamsburg, VA, *October 2025*
15. "From chemicals to communities: Ecological dimensions of plant defense against insect herbivory." University of Wisconsin-Eau Claire, Invited Seminar (Virtual), *September 2025*
14. "Scent of a struggle: Semiochemicals in plant defense against insect pests and impacts on agroecosystems." Universidade Federal Rural de Pernambuco, Brazil (Virtual), *June 2025*
13. "Beyond the bite: Multitrophic effects of plant defense against insect herbivory." Entomological Society of Washington, Invited Seminar, Washington, DC, *March 2025*
12. "The chemistry of conflict: How plant defenses against insect herbivory affect ecological communities." University of California, Invited Seminar, Riverside, CA, *February 2025*
11. "Digging deeper: Mechanisms and multitrophic consequences of plant defense against insect herbivory." University of Maryland, Invited Seminar, College Park, MD, *February 2025*
10. "Local and systemic plant defense against aboveground and belowground specialist insect herbivores." Texas A&M Department of Plant Pathology, Invited Seminar, College Station, TX, *December 2024*
9. "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*
8. "Danger from below: Plants detect root herbivore-damaged neighbors and enhance aboveground defenses" Texas A&M University Recruitment Symposium, College Station, TX, *February 2024*
7. "Plants can talk, but what are they saying? Deciphering the chemical ecology of plants and insects." University of Mary Washington, Invited Seminar, Fredericksburg, VA, *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

22. "Trait shifts and trophic rifts: Biodiversity-driven leaf trait plasticity modulates interactions with tree consumers." Entomological Society of America Annual Meeting, Portland, OR, *November 2025*
21. "Effects of tree diversity on functional leaf trait phenotypes strengthen over time." Ecological Society of America Annual Meeting, Baltimore, MD, *August 2025*

20. “Insect herbivory induces plant volatile emissions to a greater extent aboveground than belowground, but both depend on plant-herbivore coexistence history.” Entomological Society of America Annual Meeting, Phoenix, AZ, *November 2024*
19. “Surrounded by danger: Evolutionary patterns in aboveground and belowground plant volatile emissions following insect herbivory.” Texas A&M College of Agriculture and Life Sciences Mini Research Symposium, College Station, TX, *May 2024*
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

6. "Crop-associated microbiota differentially regulate corn and cotton resistance to herbivory." Entomological Society of America Annual Meeting, Phoenix, AZ, *November 2024*
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

Research Accomplishment Awards and Fellowships

Vice Chancellor's Award in Excellence for Graduate Student Research, Texas A&M University	2023
College of Agriculture and Life Sciences Dean's Outstanding Achievement Award for Graduate Research, Texas A&M University	2023
John Henry Comstock Graduate Student Award Entomological Society of America Southwestern Branch	2023
Kenneth and Barbara Starks Plant Resistance to Insects Graduate Student Award, Entomological Society of America, Plant-Insect Ecosystems Section	2022
Outstanding Graduate Student Award for Ph.D. Student, Department of Entomology, Texas A&M University	2022
John A. Jackman Endowed Scholarship, Department of Entomology, Texas A&M University	2021-2022
Merit Fellowship, College of Agriculture & Life Sciences, Texas A&M University	2019-2023
Gahan Fellowship Award, Department of Entomology, University of Maryland	2016-2019
Dean's Fellowship Award, University of Maryland Graduate School	2016

Research Presentation Awards

2nd place oral presentation, Entomological Society of America Student Competition	2024
1st place oral presentation, Texas A&M University College of Agriculture and Life Sciences Mini Research Symposium	2024
1st place oral presentation, Texas A&M University 26th Annual Graduate Student Forum	2023
1st place oral presentation, Entomological Society of America Joint North Central and Southwestern Branch Meeting Student Competition	2023

1st place oral presentation, Entomological Society of America Student Competition 2022

2nd place oral presentation, Texas A&M University 24th Annual Graduate Student Forum 2021

1st place oral presentation, Entomological Society of America Southwestern Branch Meeting Student Competition 2021

1st place oral presentation, Texas A&M University 23rd Annual Graduate Student Forum 2020

2nd place oral presentation, Entomological Society of America Joint North Central and Southwestern Branch Meeting Student Competition 2020

1st place oral presentation, Ecological Society of America Mid-Atlantic Meeting Student Competition 2019

2nd place oral presentation, Entomological Society of America Eastern Branch Meeting Student Competition 2019

1st place oral presentation, Entomological Society of America Student Competition 2018

1st 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

Graduate Student Research and Presentation Travel Award, Texas A&M University Graduate School 2024

Goldhaber Travel Award, University of Maryland Graduate School 2018

International Conference Student Award, University of Maryland Graduate School 2018

Student Section Travel Award, Ecological Society of America 2018

Charlie Mitter Travel Award, Department of Entomology, University of Maryland 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, Fall 2016

University of Maryland

Invited Guest Lecturer

Theory of Research (Graduate Course), Department of Plant Pathology, Texas A&M University — Spring 2023, 2024

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

RESEARCH MENTEES

Team of Undergraduate Researchers through Aggie Research Program and Helms Lab at Texas A&M University

Jayda Arriaga, Jack Bradford, Rachel Kurian, Gage Strozier

Jayda Arriaga (now pursuing M.S. in Entomology at Texas A&M University)

Jack Bradford (now pursuing B.S. in Materials Science and Engineering at Texas A&M University)

Rachel Kurian (now pursuing M.S./M.D. in Biomedical Engineering at Texas A&M University)

Gage Strozier (now pursuing M.A. in Horticulture at Texas A&M University)

Oral presentation (*Jayda Arriaga, Rachel Kurian, Gage Strozier*), Texas A&M University Student Research Week — 2024

Undergraduate Research Scholars Honors Thesis Program (*Jack Bradford, Rachel Kurian, Gage Strozier*), Texas A&M University — 2023-2024

1st place oral presentation (*Rachel Kurian*), Entomological Society of America Joint North Central and Southwestern Branch Meeting — 2023

Oral presentation (*Jack Bradford*), Entomological Society of America Joint North Central and Southwestern Branch Meeting — 2023

Oral presentation (*all students*), Texas A&M University Ecological Integration Symposium — 2023

Oral presentation (*all students*), Texas A&M University Aggie Research Showcase — 2022

Research project for course credit (ENTO 491) during spring semester (*Jayda Arriaga*) — 2022

2nd place oral presentation (*all students*), Texas A&M University Student Research Week — 2022

Undergraduate Researcher through USDA-NIFA funded Research and Education Experiences for Undergraduates (REEU) Program at Texas A&M University

Jeremy Garces (completed B.S. in Biology at University of Texas Rio Grande Valley)

Oral presentation, Entomological Society of America Annual Meeting — 2024

Poster presentation, Texas A&M Summer Undergraduate Research Poster Session — 2023

Oral presentation, Texas A&M Diversity in Entomology Summer REEU Program Presentations — 2023

Undergraduate Researcher through Helms Lab at Texas A&M University

Laura Marmolejo (completed M.S. in Entomology at Michigan State University)

Oral presentation, Entomological Society of America, Canada, and British Columbia Joint Annual Meeting — 2022

1st place oral presentation, Entomological Society of America Southwestern Branch Meeting — 2022

Oral presentation, Texas A&M University Student Research Week — 2022

College of Agriculture and Life Sciences Dean's Outstanding Achievement Award for Undergraduate Research, Texas A&M University — 2022

Oral presentation, Entomological Society of America Annual Meeting — 2021

Southwestern Branch Undergraduate Student Achievement in Entomology Award, Entomological Society of America — 2021

1st place oral presentation, Entomological Society of America Southwestern Branch Meeting — 2021

Oral presentation, Entomological Society of America Annual Meeting — 2020

2nd 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 M.S. in Horticulture and Agronomy at University of California, Davis)

Oral presentation, Entomological Society of America Annual Meeting — 2021

Oral presentation, Entomological Society of America Southwestern Branch Meeting — 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)

Poster presentation, University of Maryland Undergraduate Research Day — 2019

Undergraduate research credit hours, University of Maryland — 2018-2019

Undergraduate Researcher through Lamp Lab at University of Maryland

Sami Louguit

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

Guest editor and co-organizer, Special collection in *Environmental Entomology* (*Plant Volatiles in Insect Pest Management and Sustainable Agriculture*) — 2025

Panelist, Texas A&M Graduate Student Panel: Helping Undergraduate Students Prepare for Graduate School — 2024

Symposium co-organizer, Entomological Society of America Joint North Central and Southwestern Branch Meeting (*How plant stress affects insects: herbivores, pollinators, and more*) — 2023

Student affairs committee member, Entomological Society of America Southwestern Branch	2022, 2023
Panelist, Texas A&M University Mentoring Undergraduate Researchers Workshop	2022-2024
Graduate student representative, Faculty search committee for tenure-track Assistant Professor of Entomology – Global Public Health, Department of Entomology, Texas A&M University	2022
Aggie Allies Training for Supporting LGBTQ+ Students	2022
Symposium co-organizer, Entomological Society of America Annual 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*)	2021, 2022, 2024
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 Ecosystems Wildly Important Goals: Public Education & Outreach	2020
Peer reviewer of research manuscripts in the journals: *Plant and Soil* (1), *Microbial Ecology* (2), *Arthropod-Plant Interactions* (1), *Journal of Chemical Ecology* (2), *Ecology and Evolution* (2), *Biological Control* (2) *Plant Ecology* (1), *Scientific Reports* (2), *Journal of Pest Science* (1), *Functional Ecology* (1), *Plants, People, Planet* (1)	2020-Present
Social chair, Entomological Student Organization, Department of Entomology, University of Maryland	2017-2018
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

High School Forestry Camp Volunteer	2025
Meadow Festival Volunteer	2025
Regional High School Science Bowl Moderator	2023
Elementary School 'Entomology in Spanish' Event Coordinator	2022, 2023
'Research and Brews' seminar through Texas A&M University Graduate and Professional Student Government	2022
Aggie Women in Entomology Presentation at Girl Scout Camp	2021
Ronin Spring Farm Day Volunteer	2021, 2022

Texas A&M University Student Research Week Judge	2021, 2024
Texas Science & Engineering Fair Judge	2020-2022, 2024
Ecology and Evolutionary Biology Program Darwin Day Volunteer	2020, 2021
STEM Pack Meeting at Bowen Elementary School Volunteer	2020
Brazos Museum of Natural History's Owl-O-Ween Festival Volunteer	2019
High School Science Fair Judge	2018
Maryland Day Volunteer	2017-2019, 2025