

Xiaoying Li

Department of Horticultural Sciences, Tropical Research and Educational Center, University of Florida
18905 SW 280th St, Homestead, FL 33031
Xiaoying.li@ufl.edu; 540-998-4590

EDUCATION AND TRAINING

<u>College/University</u>	<u>Major</u>	<u>Degree & Year</u>
Shanxi Agricultural Univ.	Plant Protection	B.S., 2013
South China Agricultural Univ.	Plant Pathology	M.S., 2016
Virginia Polytechnic Institute and State Univ.	Agronomy and Crop Sci.	Ph.D., 2023

EMPLOYMENT:

2024-present	Assistant Professor (2024), Tropical Research & Education Center, University of Florida/IFAS, USA
2023	Bayer Bioprocess RD Support Co-op, Bayer Crop Science, USA
2022	High-Performance Computing Intern, USDA-ARS/Mississippi State University, USA
2019-2023	Graduate Research Assistant, Virginia Tech, USA
2016-2019	Horticultural Research Assistant, Beijing Academy of Agricultural and Forestry Sciences, China

RESEARCH AND PROFESSIONAL EXPERIENCE

Assistant Professor, Tropical Research & Education Center, University of Florida, 2024 to present

- Improving ethnic vegetable production: Being geared primarily towards the introduction and promotion of alternative vegetable crops and cropping systems in particularly ethnic and organic vegetable production, improvement of sustainability and profitability of existing vegetable crops through the development of and transfer of innovative production technologies and systems tailored to South Florida's unique conditions.

Bioprocess RD Support Co-op Scientist, Bayer Crop Sci., 2023

- Assessed the feasibility of commercial systems for Bt protein expression in insect control: Conducted plasmid construction, assessed potential host organisms for Bt protein expression, and optimized bacterial fermentation conditions for protein production.

Graduate Research Assistant, Virginia Polytechnic Institute and State Univ., 2019 to 2023

- Enhanced domestic vegetable soybean production and supply: Addressed critical challenges faced by local growers when adopting this new crop, including improving low seedling stands through the selection of high seed vigor genotypes, optimizing planting times, diagnosing and managing diseases affecting pod yield and quality, and evaluating the spread of foodborne pathogens on pods and optimizing transportation, storage, and handling processes to mitigate the risk of contamination.

Horticultural Research Assistant, Beijing Academy of Agricultural and Forestry Sci., 2016 to 2019

- Addressed soft rot, a major cause of loss in ethnic vegetables like Bok choy, causing 15-30% annual losses valued at over one billion dollars: Led a project that used genomics analysis and whole genome sequencing to compare *Pectobacterium* species, investigating their genetic variation of pathogenesis on the host; Developed rapid disease diagnostic tools using several conventional PCR and quantitative PCR (qPCR) assays for soft rot early detection.

Graduate Research Assistant, South China Agricultural Univ., 2013 to 2016

- Explored the molecular mechanisms of Ralstonia solanacearum Wilt Disease in Aromatic Ginger (a specialty ginger): Identified the virulent genes responsible for the wilt symptoms through a comparative analysis of physiological and biochemical traits between bacterial mutants and wild types. This involved plasmid construction, gene cloning, and gene knock-out using homologous recombination.

TEACHING EXPERIENCE

- Guest Speaker: Graduate Student Seminar, University of Tennessee, 2023.
- Mentored four undergraduate students in their research internships in the Plant Breeding Program, Virginia Tech, 2019-2023.
- Teaching Assistant: CSES 4144, Plant Breeding and Genetics, Virginia Tech, 2020.

HONORS AND AWARDS

- Gerald O. Mott Award Recipient, Crop Science Society of America, USA, 2023.
- P. Howard & Betsy Massey Horticulture Scholarship (\$1,514), Virginia Tech, USA, 2023.

- Travel award, sponsored by Bayer Vegetable Seeds, invited to do a poster presentation at the ASTA Vegetable and Flower Conference in Orlando, Florida, USA, 2023.
- 3rd place in Poster presentation competition of SPES (\$200), Virginia Tech, USA, 2022.

PUBLICATIONS

Peer-reviewed publications

- 1) **Li, X.**; Ma, Y.; Liang, S.; Tian, Y.; Yin, S.; Xie, S.; Xie, H. "Comparative genomics of 84 *Pectobacterium* genomes reveals the variations related to a pathogenic lifestyle." BMC Genomics 19, no. 1 (2018): 1-22. doi:10.1186/s12864-018-5269-6.
- 2) Xie, H (Advisor).; **Li, X.**; Ma, Y.; Tian, Y. "First report of *Pectobacterium aroidearum* causing soft rot of Chinese cabbage in China." Plant Disease 102, no. 3 (2018): 674. doi:10.1094/PDIS-07-17-1059-PDN.
- 3) **Li, X.**; Tian, Y.; Song, L.; Xie, H. "First report of *Pseudomonas marginalis* isolated from celery with symptoms of stem rot in China." Journal of Plant Pathology 100, no. 3 (2018): 585-585. doi:10.1007/s42161-018-0039-5.
- 4) **Li, X.**; L, S.; Yu, T.; Xie, H. "Identification and characterization of QC02 causing celery (*Apium graveolens*) rot." Journal of Agricultural Biotechnology 26, no. 10 (2018): 1778-1786. doi: 10.3969/j.issn.1674-7968.2018.10.016.
- 5) **Li, X.**; Tian, Y.; Zhao, L.; Chen, C.; Xie, H. "Identification of the bacterial soft rot pathogens on Chinese cabbage in Beijing." Acta Agriculturae Boreali-sinica (in Chinese with English abstract) 33(2018):63-70.
- 6) **Li, X.**; She, X.; He, Z. "Identification of the pathogen of pumpkin bacterial leaf blight disease in Guangdong." Acta Phytopathologica Sinica 48, no. 2 (2018): 159-168. doi: 10.13926 /j.cnki.apps.000165.
- 7) **Li, X.**; Tian, Y.; Zhang, J.; Chen, C.; Xie, H. "Identification and characterization of a *Pectobacterium aroidearum* strain causing bacterial soft rot on Chinese cabbage (*Brassica rapa* L. ssp. *pekinensis*)." Acta Phytopathologica Sinica 8, no. 4 (2018): 455-465. doi: 10.13926 /j.cnki.apps.000136.
- 8) Tian, Y.; **Li, X.**; Shi, M.; Sun, W.; Chen, C.; Xie, H. "Assessment of identification method of lettuce (*Lactuca sativa*) bacterial soft rot resistance and evaluation of cultivar resistance." Acta Agriculturae Boreali-sinica (in Chinese with English abstract) 34, no. S1 (2019): 309-317, doi: 10.7668 /hbnxb.20190388.
- 9) Chen, C.; Zhao, X.; Sun, W.; **Li, X.**; Tian, Y.; Li, W.; Xie, H. "Molecular marker development of soft rot disease defense-related genes in Chinese cabbage (*Brassica rapa* ssp. *pekinensis*)." Journal of Agricultural Biotechnology (in Chinese with English abstract) 27, no.6 (2019): 982-992, doi: 10.3969/j.issn.1674-7968.2019.06.004.
- 10) Sun, W.; Yan, L.; Chen, C.; Tian, Y.; **Li, X.**; Chen, J.; Xie, H. "Identification and biocontrol effect of antagonistic bacterium *Bacillus velezensis* BPC6 against soft rot and Sclerotinia Rot diseases on lettuce." Chinese Journal of Biological Control (in Chinese with English abstract) 36, no.2 (2020): 231-240, doi: 10.16409/j.cnki.2095-039x.2020.02.008.
- 11) **Li, X.**; Fu, L.; Chen, C.; Sun, W.; Tian, Y.; Xie, H. "Characteristics and rapid diagnosis of *Pectobacterium carotovorum* ssp. associated with bacterial soft rot of vegetables in China." Plant Disease 104 (2020): 1158–1166, doi:10.1094/PDIS-05-19-1033-RE.
- 12) Averitt, B.J.; Welbaum, G.E.; **Li, X.**; Prenger, E.; Qin, J.; Zhang, B. "Evaluating genotypes and seed treatments to increase field emergence of low phytic acid soybeans." Agriculture 10, no. 11 (2020): 516. doi:10.3390/agriculture10110516.
- 13) Chen, C.; Yuan, F.; **Li, X.**; Ma, R.; Xie, H. "Jasmonic acid and ethylene signaling pathways participate in the defense response of Chinese cabbage to *Pectobacterium carotovorum* infection." Journal of Integrative Agriculture 20, no. 5 (2021): 1314-1326. doi:10.1016/S2095-3119(20)63267-1.
- 14) Chen, C.; **Li, X.**; Bo, Z.; Du, W.; Fu, L.; Tian, Y.; et al. "Occurrence, characteristics, and PCR-based detection of *Pectobacterium polaris* causing soft rot of Chinese cabbage in China." Plant Disease 105, no. 10 (2021): 2880-2887. doi:10.1094/pdis-12-20-2752-re.
- 15) Lord, N.; Kuhar, T.; Rideout, S.; Sutton, K.; Alford, A.; **Li, X.**, Wu, X.; Reiter, M.; Doughty, H. and Zhang, B. "Combining agronomic and pest studies to identify vegetable soybean genotypes suitable for commercial edamame production in the Mid-Atlantic U.S." Agricultural Sciences 12 (2021): 738-754, doi: 10.4236/as.2021.127048.
- 16) Zhang, B.; Lord, N.; Kuhar, T.; et al. ... **Li, X.**, Wang, Z. & Buss, G. "'VT Sweet': A vegetable soybean cultivar to drive commercial edamame production in the Mid-Atlantic U.S." Journal of Plant Registration 16 (2022): 29-33. doi: 10.1002/plr2.20140.
- 17) Su, Y†.; **Li, X**†('†': *equally contributed*).; Li, L.; Lukianova, A. A.; Tokmakova, A.; Chen, C.; ... & Xie, H. "Occurrence, characteristics and qPCR-based identification of *Pectobacterium versatile* causing soft rot of Chinese cabbage in China." Plant Disease 107(2023): 2751-2762.

- 18) Singer, W., Lee, Y., Shea, Z., Vieira, C., Lee, D., Li, X.,... Henry Nguyen & Zhang, B. (2023) "Soybean genetics, genomics, and breeding for improving nutritional value and reducing antinutritional traits in food and feed". The Plant Genome, 00, e20415. <https://doi.org/10.1002/tpg2.20415> (I led the food-grade soybean section).
- 19) Li, X., Liu, K., Rideout, S. L., Rosso, L., Zhang, B., & Welbaum, G. (2024). "Seed Physiological Traits and Environmental Factors Influence Seeding Establishment of Vegetable Soybean (*Glycine max* L.)". Frontier in Plant Science, 15, <https://doi.org/10.3389/fpls.2024.1344895>.
- 20) Li, X.; Zaia, R.; Liu, K.; Xu, X.; Silva, M.D.; Rojas, A.; Welbaum, G.E.; Zhang, B.; Rideout, S. (2024). "Response of the Edamame Germplasm to Early-Season Diseases in the United States". Agronomy, 14, 1660. <https://doi.org/10.3390/agronomy14081660>.

Extension Papers (Peer-reviewed publications)

- 1) Li, X.; Yin, Y.; Strawn, L.; Rideout, S.; Kuhar, T.; Welbaum, G.; Li, S.; Liu, K.; Weckworth, K.; Zhang, B*. "Edamame in Virginia I. Products and Marketing." Virginia Coop. Ext. 2023. Available at: https://www.pubs.ext.vt.edu/content/dam/pubs_ext_vt_edu/spes/spes-454/SPES-454.pdf.
- 2) Li, X.; Rideout, S.; Strawn, L.; Welbaum, G.; Kuhar, T.; Li, S.; Chen, P.; Reiter, M.; Zhang, B*. "Edamame in Virginia II. Producing a High-Quality Product." Virginia Coop. Ex. 2023. Available at: https://www.pubs.ext.vt.edu/content/dam/pubs_ext_vt_edu/spes/spes-455/SPES-455.pdf.
- 3) Li, X.; Strawn, L.; Huang, H.; Yin, Y.; Rideout, S.; Welbaum, G.; Duncan, S.; Mille, R., Li, S.; Zhang, B*. "Edamame in Virginia III. Handling and Processing from Harvest to Package." Virginia Coop. Ext. 2023. Available at: https://www.pubs.ext.vt.edu/content/dam/pubs_ext_vt_edu/spes/spes-456/SPES-456.pdf.

Book chapter

Li, X., Welbaum, G., Rideout, S. L., Singer, W & Zhang, B. "Vegetable soybean and its seedling emergence in the United States, In: Legume Crops-Prospects, Production and Uses." Legumes Research 1 (2022): IntechOpen. doi: 10.5772/intechopen.102622.

Patent

Xie, H., Li, X., Chen, C., & Tian, Y. (2022). A specific primer and its detection system. Chinese Patent No. #ZL 2018 1 1593856.9 (my role here was to design the project, conduct the experiments, and write).

Conference publications

- 1) Li, X., Liu, K., Welbaum, G., Rideout, S. L., & Zhang, B. (2021). "Effect of temperature on the seedling stand of edamame." 2021 ASA, CSSA, SSSA Annual Meeting.
- 2) Li, X., Liu, K., Welbaum, G., Rideout, S. L., & Zhang, B. "Seed vigor and the emergence of vegetable soybean (Edamame) in Virginia." 2021 American Society for Horticultural Scientists Annual Conference.
- 3) Li, X., Pollok, J. R., Kuhar, T. P., Sutton, K. L., Rideout, S. L., & Zhang, B. "Diseases associated with edamame production in the mid-Atlantic region." 2020 American Society for Horticultural Scientists Annual Conference.
- 4) Li, X., Lacerda, V., and Myrti, K. "Evaluation of vegetable soybean adaptations to South Florida's tropical climate." 2024 Florida State Horticultural Science Annual Conference.

CONFERENCE & EXTENSION PRESENTATIONS

- 1) Li, X., Lacerda, V., and Myrti, K. (2024). Evaluation of vegetable soybean adaptations to South Florida's tropical climate. Orally presented at Florida State Horticultural Science Annual Conference, Orlando, FL.
- 2) Li, X. 2024. A Comprehensive Extension & Research Program to Support South Florida's Vegetable Industry. UF/IFAS TREC Spring Advisory Board Meeting, Homestead, FL.
- 3) Li, X., & Zhang, B. (2023). Vegetable Soybean and Its Poor Seedling Emergence Issue in The U.S. Orally presented at seminar class of the Department of Plant Science, University of Tennessee, Knoxville, TN.
- 4) Li, X., Welbaum, G., Liu, K. Rideout, S. L., Xue, M., & Zhang, B. (2023). Response of the Edamame Germplasm to Early-season Diseases Caused by the Soil-borne Pathogens in the United States. Poster presented at Vegetable & Flower Seed Conference - ASTA, Orlando, FL.
- 5) Li, X., Welbaum, G., Liu, K. Rideout, S. L., Xue, M., & Zhang, B. (2023). Response of the Edamame Germplasm to Early-season Diseases Caused by the Soil-borne Pathogens in the United States. Poster presented at Translational Plant Science Symposium, Blacksburg, VA.

- 6) Li, X., Welbaum, G., Rideout, S. L., & Zhang, B. (2023). Evaluation of Edamame Germplasm to Soil-borne Pathogens in the United States. Poster presented at Soybean Breeder Workshop, St. Louise, MO.
- 7) Li, X. (2022). Edamame and Biological Seed Treatment. Experience CALS: A day behind the scenes for alumni and friends. ALS Tour, Virginia Tech, Blacksburg, VA.
- 8) Li, X., Welbaum, G., Rideout, S. L., & Zhang, B. (2022). Evaluation of seed and seedling vigor of vegetable soybean on emergence. Lighting talks on Soybean Breeders Workshop, Virtual.
- 9) Li, X. (2022). The opportunity and challenges for biological products in promoting plant development. Elevator talk on annual Nutshell Games organized by the Department of Communication Science, Moss Arts Center.
- 10) Li, X., Welbaum, G., Liu, K., Rideout, S. L., Xue, M., & Zhang, B. (2022). Screening Edamame Cultivars for Resistance to Damping-off Caused by *Rhizoctonia solani* and Southern Stem Blight Caused by *Sclerotium rolfsii*. Poster presented at SPES Symposium, Blacksburg, VA.
- 11) Li, X., Ayoola, M., Rothrock, M., Ramkumar, M., Nandu, B. (2022). Microbiome Characterization Along the Farm-to-Fork Continuum of Pastured Poultry Flocks in the Southeastern United States. Orally presented at MSU/USDA Research Symposium, Starkville, GA.
- 12) Li, X., Ayoola, M., Rothrock, M., Ramkumar, M., Nandu, B. (2022). Microbiome Characterization Along the Farm-to-Fork Continuum of Pastured Poultry Flocks in the Southeastern United States. Poster presented at MSU/USDA Research Symposium, Starkville, GA.
- 13) Li, X., Liu, K., Welbaum, G., Rideout, S. L., & Zhang, B. (2022). Improving Edamame Seedling Establishment by Determining the Optimal Temperature. Poster presented at AOCs Annual Meeting & Expo, Atlanta, GA.
- 14) Li, X., Liu, K., Welbaum, G., Rideout, S. L., & Zhang, B. (2022). Evaluation of seed and seedling vigor of vegetable soybean on emergence. Orally presented at Translational Plant Science Symposium, Blacksburg, VA.
- 15) Li, X., Liu, K., Welbaum, G., Rideout, S. L., & Zhang, B. (2021). Effect of temperature on the seedling stand of edamame. Poster presented at ASA, CSSA, SSSA Annual Meeting, Salt Lake City, UT.
- 16) Li, X., Liu, K., Welbaum, G., Rideout, S. L., & Zhang, B. (2021). Emergence response of vegetable soybean (edamame) to temperature. Poster presented at SPES Mini-Symposium, Blacksburg, VA.
- 17) Li, X., Liu, K., Welbaum, G., Rideout, S. L., & Zhang, B. (2021). Seed vigor and the emergence of vegetable soybean (Edamame) in Virginia. Poster presented at American Society for Horticultural Scientists Annual Conference, Denver.
- 18) Zhang, B., Li, X., Kuhar, T., Rideout, S., Duncan, S., Huang, H., Yun, Y., Li, S., Reiter, M. (2021). Edamame: Specialty soybean for Virginia. Poster presented at Warsaw Field Day Tour, Warsaw, VA.
- 19) Li, X., Liu, K., Welbaum, G., Rideout, S. L., & Zhang, B. (2021). Edamame seed vigor and emergence in Virginia. Orally presented at Edamame Supply Chain Workshop, Charlotte, NC.
- 20) Li, X., Rideout, S. L., & Zhang, B. (2020). Basics of vegetable disease management-- know your enemies (i.e. pathogens)!!! Poster presented at Scholars Ignite Competition at American Society for Horticultural Scientists Annual Conference, Virtual.
- 21) Li, X., Pollok, J. R., Kuhar, T. P., Sutton, K. L., Rideout, S. L., & Zhang, B. (2020). Diseases associated with edamame production in the mid-Atlantic region. Poster presented at American Society for Horticultural Scientists Annual Conference, Virtual.
- 22) Li, X., Rosso, L., Pollok, J., Ozzie, A. A., Rideout, S., & Zhang, B. (2020). Isolation and identification of pathogens associated with leaf spot of mungbean. Poster presented at Translational Plant Science Symposium, Blacksburg, VA.
- 23) Li, X., Pollok, J. R., Kuhar, T. P., Sutton, K. L., Rideout, S. L., & Zhang, B. (2020). Diseases associated with edamame production in the mid-Atlantic region. Poster presented at National Association of Plant Breeders Annual Conference, Virtual.
- 24) Li, X., Ma, Y., Liang, S., Chen, C., Rosso, L., Xie, H., Rideout, S., & Zhang, B. (2019). Characteristics and rapid diagnosis of *Pectobacterium carotovorum* ssp. associated with the soft rot of vegetables. Poster presented at SPES Mini-Symposium, Blacksburg, VA.
- 25) Li, X. (2019). Identification of pathogens causing leaf spot on mung bean in Virginia. Orally presented at Translational Plant Science -Discussion Group talks, Virginia Tech, Blacksburg, VA.

GRANTS

- 1) JARRET, B., LI, X., ZHANG, S. Screening the USDA/ARS Collection of Okra Germplasm for the Presence of Destructive Seed-Borne Pathogens and Identifying Rapid Detection Systems, National Plant Disease Recovery System (NPDRS) \$62,938. ARS Project No. 6046-21000-013-000D.

- 2) **LI, X.** (2023). Travel sponsored by *Bayer Vegetable Seeds*, to attend the ASTA Vegetable and Flower Conference in Orlando, Florida.
- 3) **LI, X., WELBAUM, G., RIDEOUT, S., ZHANG, B.** (2022). Developing novel organic seed treatments to promote the growth of vegetable soybeans. Graduate Research and Development Program (GRDP), Virginia Tech, USA. **\$1000.**
- 4) **LI, X., RIDEOUT, S., ZHANG, B., WELBAUM, G., & LI, S.** (2022). Improve vegetable soybean seedling emergence through novel organic seed treatments using high-throughput phenotyping. Graduate Student Grants, Southern Sustainable Agriculture Research and Education, USA. **\$14,998.**
- 5) **LI, X.** (2021). GSA Travel Fund Program (TFP) Award (**\$500**), Virginia Tech.
- 6) **ZHANG, B., WELBAUM, G., RIDEOUT, S., & LI, X.** (2020) Improve Edamame Seedling Emergence through Optimum Planting Temperature and Biological Seed Treatments. Virginia Department of Agriculture and Consumer Services, USA. **\$19,267** (my role here was to design the project, write the proposal draft, conduct the experiments, and write the reports).
- 7) **LI, X., WANG, K., ZHANG, B., RIDEOUT, S., & ZHAO, B.** (2020). Improving Resistance of Commercial Edamame Cultivars to Common Occurred Soilborne Diseases by Biological Seed Treatments. Translational Plant Sciences Graduate Student Grant (Research), Virginia Tech, USA. **\$3,000.**

JOURNAL & GRANT REVIEWER

- PhytoFrontier (American Phytopathological Society, 1)
- Plant Disease (American Phytopathological Society, 2)
- Tropical Plant Pathology (1)
- Foundation for Food & Agriculture Research (FFAR, 1)
- Legume Sciences (1)
- Ecological Frontiers (1)

SEVICE

- 1) Serve as a member of the TREC- Extension Liaison Committee, Tropical Research and Educational Center, University of Florida, Feb 2024-Present
- 2) Serve as a member of the TREC- Library Committee, Tropical Research and Educational Center, University of Florida, Feb 2024-Present
- 3) Serve as a member of Vegetable Advisory Committee in Miami-Dade County, Homestead, FL, Feb 2024-Present
- 4) Service on TREC Extension Liaison committee, University of Florida. Apr 2024-present
- 5) Service on TREC Library committee, University of Florida. Apr 2024-present
- 6) Serve as member of the Commercial Vegetable Advisory Committee, Miami-Dade County, FL. Apr 2024-present
- 7) Served on the TPSC Inventory and Expertise committee, Virginia Tech, Feb 2023 - Jun 2023
- 8) Judged science projects for the Roanoke Valley Governor's School Project Forum, Feb 2023
- 9) Judged Graduate Research and Development Program (GRDP) Graduate Student Grant Competition, Jan 2023
- 10) Served on the Graduate student representative on the Search Committee for the position of "Grain Crops Extension Specialist", Virginia Tech, 2023.
- 11) Served on the Sexual Violence Culture and Climate (SVCC) Community Engagement Subcommittee, Virginia Tech, Feb 2022 - Dec 2022
- 12) Judged Translational Plant Sciences Graduate Student Grant Competition, Oct 2022
- 13) Judged science projects for the Roanoke Valley Governor's School Project Forum, Feb 2022
- 14) Reviewed dossier of TPSC Ph.D. student applicants, Jan 2022
- 15) Represented Graduate and Professional Student Senate on the Library Committee, Virginia Tech, Jun 2021 - 2022
- 16) Graduate Student Assembly Delegate, School of Plant and Environmental Sciences, Virginia Tech, May 2021 - May 2022
- 17) Served on the Admissions Committee of Translational Plant Sciences Center, Virginia Tech, Jan 2021 - Dec 2021
- 18) Served on the Website Committee of Translational Plant Sciences Center, Virginia Tech, Jan 2021 - Dec 2021
- 19) Served on the organizing committee for the Edamame Supply Chain Workshop, Charlotte, NC, Dec 2021
- 20) Served on the Committee of TPSC Virtual Recruitment 2022, Nov 2021
- 21) Judged Diversity Posters for ASA, CSSA, SSSA 2021 Poster Contest, Oct 2021
- 22) Judged Translational Plant Sciences Graduate Student Grant Competition, Oct 2021

- 23) Moderated live Q&A - "Root Growth and Rhizosphere Dynamics/Seed and Stand Establishment" - Poster Session, American Society for Horticultural Scientists Annual Conference, Denver, 2021
- 24) Served on the panel of the workshop "Applying to Grad School is Intimidating. A-Z of Everything You Need to Know!", American Society for Horticultural Scientists Annual Conference, Denver, 2021

PROFESSIONAL AFFILIATIONS

- American Society for Horticultural Science (ASHS), May 2020-Present
- American Phytopathological Society, Jan 2023 – Present
- Florida Society for Horticultural Science (FSHS), May 2024-Present