

Tegan J. Walker, Ph.D.

Evaluation Specialist
Southern IPM Center
North Carolina State University
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EDUCATION

- Ph.D. Auburn University (December 2020)
Agricultural Education
- M.Ag. Texas A&M University (May 2014)
International Agricultural Development
- B.S. Virginia Polytechnic Institute and State University (May 2012)
Agricultural and Applied Economic Management

WORK EXPERIENCE

Evaluation Specialist, Southern IPM Center (SIPMC), NC State University, Raleigh, NC 04/2021-present

- Serve as a Co-PI on the SIPMC grant and oversee grant funding agency reporting requirements.
- Manage SIPMC reporting methods through Airtable and provide quarterly impact assessments.
- Manage SIPMC IPM Grants Program reporting requirements and approving no-cost extensions to subcontracts.
- Lead regional efforts on SIPMC's Signature Programs, including development of survey instruments, data collection and analysis, and coordination with other Regional IPM Centers.
- Provide technical advice for, and implementation of, evaluation aspects of the SIPMC and the North Carolina Extension IPM (NCEIP) programs including program planning, proposal development, instrument development, implementing evaluation, and impact reporting.
- Serve as a Co-PI on the NCEIP grant and oversee program impact evaluation, reporting, and develop evaluation workshops.
- Develop Extension IPM program plan with North Carolina's State IPM Coordinator through the development of an Extension IPM needs assessment including focus groups and a state-wide extension questionnaire.

- Lead SIPMC staff meetings and facilitate team building activities.
- Assist in the development of SERA03's (Southern Region Information Exchange Group for IPM) annual priority document through the development of the annual prioritization survey and improved priority setting protocol.
- Coordinate the development and implementation of the national IPM reporting survey with Regional Exchange Groups.
- Oversee development and distribution of Pest Management Strategic Plan (PMSP) pre-workshop surveys and provide data analysis and summarized reports to project leads.
- Serve on the North Central IPM Center's DEI Steering Committee as well as the SIPMC representative for regional groups such as Caribbean Islands Stakeholders and Farmworker Collaboration Group.
- Attend and present at various regional and national meetings and conferences including the National IPM Coordinating Committee, International IPM Symposium, and SIPMC Advisory Council meetings.
- Facilitate interregional collaboration to improve national evaluation methods and reporting efforts.
- Manage evaluation resources offered by SIPMC and advise regional IPM faculty and stakeholders on evaluation methods and project impact measures.
- Provide survey design guidance to graduate students on their research projects.
- Work with the Grants Management System programmer to develop and improve system reporting features.
- Oversee the submission of IRB approvals and compliance and maintain up-to-date IRB certificates.

Adjunct Professor, Auburn University, Auburn, AL

01/2021 –

- Provided leadership in course delivery and management while navigating the university's changing pandemic procedures and recommended practices.

05/2021

Graduate Research and Teaching Assistant, Auburn University, Auburn, AL

01/2018 -

- Developed and taught graduate and undergraduate courses in the Agriscience Education program.
- Managed and directed multiple research projects.
- Assisted with grant writing and compilation.
- Worked as part of a team in external program evaluation and report production.

12/2020

- Planned and organized three day graduate research seminar.
- Prepared and compiled program external review report.
- Organized logistics for hosting visiting professors.
- Attended and presented research at regional, national, and international conferences.

Peace Corps Volunteer, Peace Corps Panama

06/2014 -
09/2017

- Served as a Sustainable Agriculture Systems volunteer in a small remote community in central Panama.
- Designed and facilitated in-field trainings on proper coffee farm management and integrated pest management methodologies with eight local farmers to strengthen pest prevention and improve production.
- Improved design of solar dryer model to increase functionality, reduce production costs, and increase the life of the dryer. Trained 42 community members on solar dryer construction, post-harvest management techniques, and value-added products. Assisted in constructing 26 solar dryers.
- Trained 30 community members on fish tank establishment, management, and harvest techniques. Assisted in constructing nine fish tanks and four water capture and distribution systems.
- Trained five local farmers on loan management and oversaw the establishment of a community led micro-loan funding association with a mission statement, by-laws, and application requirements. Developed and facilitated a loan management seminar and trained 12 community members on money management, account reporting, and loan application requirements.
- Educated six local farmers on agrochemical safety measures, chemical identification and disposal, and health effects.
- Facilitated a Choose Your Life seminar with 37 local youths to encourage informed decision making, future planning, leadership skills, and healthy behaviors.
- Developed a book club for local youths and applied and received two donations of children's books. Taught 28 children reading comprehension, book report writing, and summarizing skills.
- Worked with three local women on how to make baked goods and generate income. Covered value-added products, sales, record keeping, establishing prices, and estimating production costs.
- Received 105 hours of formal Spanish instruction, 95 hours of technical training in tropical agriculture, 52 hours of community development methodology training, and 50 hours of cross-cultural training.

Graduate Research and Teaching Assistant, Texas A&M University, College Station, TX 08/2012 - 05/2014

- Organized multidisciplinary ten day international trip to Trinidad and Tobago and Barbados.
- Managed international research projects.
- Reviewed new course content and taught classes.

TEACHING EXPERIENCE

Adjunct Professor, Auburn University, Auburn, AL 01/2021 – 05/2021

- Established graduate course content (Research Studies in Agricultural Education). Facilitated virtual classes, engaged students in problem solving discussions, and provided comprehensive feedback.
- Taught graduate course (Agricultural Literacy Education) by thoughtfully engaging students in meaningful discussions and thought provoking assignments.

Auburn University Graduate Teaching Assistantship 01/2018 - 12/2020

- Developed syllabi, course content, and assignments for the following graduate courses: (a) Curriculum and Teaching in Agriscience Education: Perspectives in Multicultural Education, (b) Curriculum Development in Career and Technical Education: Perspectives in Rural Education, and (c) Agricultural Literacy Education.
- Senior Graduate Teaching Assistant: Supervised and assisted new and junior teaching assistants. Worked as part of a team to organize and deliver the following undergraduate courses: Program Planning in Agriscience Technology Education (Fall 2020) and Career and Technical Student Organizations (Spring 2020).
- Graduate Teaching Assistant: Demonstrated leadership by providing engaging course content, structured expectations, and meaningful feedback for the following courses: (a) Program Planning in Agriscience Technology Education (Fall 2018, Fall 2019), (b) Career and Technical Student Organizations (Spring 2019), (c) Agricultural Education Perspectives in Multicultural Education (Spring 2019, Fall 2020), (d) Direct Field Experience Agriscience Education (Summer 2019, Summer 2020), and (e) Agricultural Education Change Theory (Spring 2020).

Course Development - Private Contract 06/2018 - 07/2018

- Developed two graduate level courses (Community Empowerment and Leadership and Development) complete with syllabus, reading resources, and lesson plans.

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| Texas A&M University Graduate Teaching Assistantship | 01/2014 - |
| <ul style="list-style-type: none"> Managed undergraduate course (Survey of Leadership Theory) progress by engaging with students during labs and providing individualized feedback and encouragement. | 05/2014 |

RESEARCH EXPERIENCE

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|---|-------------------|
| Evaluation Specialist, SIPMC, NC State University, Raleigh, NC | 04/2021 - present |
| <ul style="list-style-type: none"> Develop, organize, and lead the SIPMC Climate Change Signature Program which seeks to better understand and facilitate the adoption of climate-smart IPM. A participatory approach to regional focus groups and a national adaptive capacity questionnaire will not only identify stakeholder needs and gauge stakeholder resiliency, but also recognize the climate change adaptation and mitigation contributions of IPM users. Lead instrument development and data collection and analysis for the SIPMC IPM Identity Signature program which takes a social science approach and envisions representative and inclusive voices and experiences in IPM. Regional interviews and a national questionnaire will help inform the “This is IPM” campaign which aims to highlight the diversity and inclusion of IPM and its people. | |
| Graduate Research Assistantship, Auburn University, Auburn, AL | 01/2018 - 12/2020 |
| <ul style="list-style-type: none"> Developed and distributed online questionnaire to Alabama farmers by collaborating with the largest farming organization in the state. Collected and analyzed data to better understand farmer’s adaptive capacity to climate variability and gauge their interest in climate-smart agriculture extension education programs. Led a team of graduate students in maintaining a community garden plot and documenting their reflections of lived experiences in the university community garden. Developed questionnaire and collaborated with the university food pantry for distribution to better understand food security needs met by university campus food pantries. Established and distributed online questionnaire to returned Peace Corps Volunteers to better understand the impacts of Peace Corps experiences on global skills. | |
| Graduate Research and Teaching Assistantship, Texas A&M University, College Station, TX | 08/2012 - 05/2014 |
| <ul style="list-style-type: none"> Collaborated as part of a multidisciplinary team to evaluate food security impacts on childhood obesity on the island nations of Trinidad and Tobago and Barbados. | |

- Collected data from international trip participants regarding their expectations and perceptions. Analyzed how faculty abroad experiences impact undergraduate classroom internationalization.

Virginia Tech Study Abroad, Costa Rica

01/30/2011 -

- Researched soil and biodiversity of conventional versus organic coffee farms.
- Conducted Spanish and English interviews on the socioeconomic impacts of national park visitation.

05/07/2011

INTERNATIONAL EXPERIENCE

Haiti - Agricultural Education Collaboration Auburn University

03/09/2018 -

- Piloted a potential extension model agricultural education program.
- Partnered with agricultural vocational school at Christianville Foundation to develop educational materials with agricultural students for use in field education programs.
- Networking event held with USAID, FAO, and Haven Partnership representatives.

03/17/2018

Panama - Peace Corps Volunteer

06/14/2014 -

- (See above or Description of Service)

09/01/2017

Trinidad and Barbados - Research Trip Texas A&M University

04/12/2013 -

- Evaluated global food security and childhood obesity on island nations.
- Facilitated faculty cultural exchange program.
- Developed culturally rich reusable virtual curriculum.

04/21/2013

Costa Rica - Study Abroad Texas A&M University

12/29/2012 -

- Assessed intercropping benefits with a local coffee farmer.
- Conducted a participatory rural appraisal of local community.
- Analysis of value-added products from at a local dairy farm.

01/12/2013

Costa Rica - Study Abroad Virginia Tech

01/30/2011 -

- Developed natural resource pest management in orange orchards.
- Researched soil and biodiversity of conventional versus organic coffee farms.
- Conducted interviews on the socioeconomic impacts of national park visitation.

05/07/2011

LANGUAGES

English Native Proficiency

Spanish Professional Working Proficiency

GRANTS

<i>Pending</i>	PI, USDA NIFA AFRI Food and Agriculture Non-formal Education. Developing immersive learning curriculum: Engaging the next generation of IPM scientists through Virtual Reality.	~\$600,000
<i>Pending</i>	Co-PI, USDA NIFA Specialty Crop Research Initiative. Enhanced Knowledge and Systems-Based Thrips Management to Advance Sustainable Small Fruit Production.	~\$7M
<i>Pending</i>	Co-PI, USDA NIFA Specialty Crop Research Initiative. SysCAP: A Systems Approach to Managing the Redheaded Flea Beetle in Specialty Crops.	~\$6M
2024-2027	Co-PI, USDA NIFA CPPM Extension Implementation Program. Addressing Stakeholder Needs for IPM Programming in NC.	\$675,000
2022-2026	Co-PI, USDA NIFA CPPM Regional Coordination Program. Southern IPM Center: A Regional Approach to Networking, Collaboration and Services. 2022-70006-38002	\$4,500,000
2017	PD, Peace Corps Partnership Program Mini Grant Post-Harvest Management and Solar Dryer Construction	\$1,334.29
2015-2017	PD, Peace Corps Partnership Program Mini Grant Construction of Fish Tanks and Fisheries Management	\$1,602.28

AWARDS AND CERTIFICATES

- 02/05/2019 *Distinguished Innovative Poster Presentation*. Presented at the Southern Region Conference of the American Association for Agricultural Education, Birmingham, Alabama. Walker, T. J., & Lindner, J. R. *Diffusing educational best practices adopted by Peace Corps volunteers to U.S. agricultural educators*.

JOURNAL PUBLICATIONS

- Walker, T. J., Adams, R. S., & Seth-Carley, D. (2025). Prioritizing IPM Training Needs of North Carolina Extension Professionals: A Borich Model Needs Assessment. *Journal of Integrated Pest Management*. (Accepted pending minor revisions)
- Lane, D. E., Walker, T. J., & Grantham, D. G. (2023). IPM adoption and impacts in the United States. *Journal of Integrated Pest Management*, 14(1).
<https://doi.org/10.1093/jipm/pmac028>
- Walker, T. J. (2019). International youth development: A review of youth – realities and challenges for achieving development with equality. *Journal of International*

Agricultural and Extension Education, 26(1), 7-9.
<http://doi.org/10.5191/jiaee.2019.26101>

REFEREED CONFERENCE PAPERS AND ABSTRACTS

- Walker, T. J., Adams, R. S., & Seth-Carley, D. (2025). *A Borich Model IPM needs assessment: Survey development best practices for Extension IPM programs*. International IPM Symposium, San Diego, California.
- Adams, R. S., Kelly, H. M., Watson, K. P., & Walker, T. J. (2025). *The SERA3 IPM priority document: A decade of identifying regional IPM priorities*. International IPM Symposium, San Diego, California.
- Watson, K. P., Stewart, A. E., & Walker, T. J. (2025). *Envisioning inclusive and representative voices and experiences through This is IPM*. International IPM Symposium, San Diego, California.
- Walker, T. J., & Lindner, J. R. (2024). *Climate Variability Education Programs: Targeting Receptive Alabama Agricultural Producers*. Southern Region Conference of the American Association for Agricultural Education, Atlanta, Georgia.
- Watson, K. P., LaForest, J., Magarey, R. D., & Walker, T. J. (2022). *Regional IPM Centers: Our shared mission and what it means*. International IPM Symposium, Denver, Colorado.
- Lane, D., Walker, T. J., & Grantham, D. (2022). *IPM adoption perspectives from the regions: Barriers and recommendations*. International IPM Symposium, Denver, Colorado.
- Walker, T. J., & Lindner, J. R. (2020). *Peace Corps volunteers' global perspectives: A post-pre service assessment*. Association for International Agricultural and Extension Education Conference, St. Petersburg, Florida. (Conference canceled)
- Walker, T. J., & Lindner, J. R. (2019). *Impacts on global perspective of Peace Corps volunteers*. Association for International Agricultural and Extension Education Conference, Port of Spain, Trinidad and Tobago.
- Walker, T. J., & Lindner, J. R. (2019). *Diffusing educational best practices adopted by Peace Corps volunteers to U.S. agricultural educators*. Southern Region Conference of the American Association for Agricultural Education, Birmingham, Alabama.
- Walker, T. J., Clemons, C. A., & Lindner, J. R. (2019). *Ring the schoolhouse bell: Identifying competencies, attitudes and perceptions of teacher success and longevity*. Southern Region Conference of the American Association for Agricultural Education, Birmingham, Alabama.
- Walker, T. J., Hall, M. R., & Lindner, J. R. (2018). *Understanding food security needs met by campus food pantries*. Professional Agricultural Workers Conference, Tuskegee, Alabama.
- Walker, T. J. (2018). *Potential applications of virtual reality in agricultural education*. Association for International Agricultural and Extension Education Conference, Merida, Mexico.

- Sandlin, M. R., Walker, T. J., & Lindner, J. R. (2014). *Development of systems thinking in students reflections of a transdisciplinary team during an international experience*. American Association for Agricultural Education Southern Region Conference, Dallas, TX.
- Sandlin, M. R., Walker, T. J., Lindner, J. R., & Strong, R. (2013). *Faculty abroad programs: Addressing local problems and curricula development*. Association for International Agricultural and Extension Education Conference, Fort Worth, TX.
- Walker, T. J., Lindner, J. R., & Clement, C. A. (2013). *Master's international program facilitations student empowerment: Implications for educators*. North American Colleges and Teachers of Agriculture Conference, Blacksburg, VA.

PRESENTATIONS

- Walker, T. J., & Lane, D. E. (2025, March). *Strengthening IPM impact reporting: The importance of the IPM -ERA survey*. International IPM Symposium, San Diego, CA.
- Lane, D. E., & Walker, T. J. (2025, March). *Professional development IPM evaluation workshop*. International IPM Symposium, San Diego, CA.
- Walker, T. J., & Lindner, J. R. (2024, February). *Climate variability education programs: Targeting receptive Alabama agricultural producers*. Southern Region conference of the American Association for Agricultural Education, Atlanta, GA.
- Walker, T. J. (2023, October). *Climate Change Regional Program*. National Integrated Pest Management Coordinating Committee Annual Meeting. San Juan, Puerto Rico.
- Walker, T. J. (2022, September). *IPMers assemble: Get your proposal ready!* Webinar presentation for Southern IPM Hour. Southern IPM Center, North Carolina State University. <https://www.youtube.com/watch?v=aOYzG1R7Q-U>
- Walker, T. J., & Lindner, J. R. (2020, April). *Peace Corps volunteers' global perspectives: A post-pre service assessment*. Oral presentation at the Association for International Agricultural and Extension Education Conference, St. Petersburg, Florida. (Conference canceled)
- Walker, T. J. (2019, April). *Experiential learning aids in the adoption of water elevation level measuring technology*. Poster Presentation at the Auburn University Student Research Symposia, Auburn, AL.
- Walker, T. J., & Lindner, J. R. (2019, February). *Diffusing educational best practices adopted by Peace Corps volunteers to U.S. agricultural educators*. Poster Presentation at the Southern Region Conference of the American Association for Agricultural Education, Birmingham, Alabama.
- Walker, T. J., Clemons, C. A., & Lindner, J. R. (2019, February). *Ring the schoolhouse bell: Identifying competencies, attitudes and perceptions of teacher success and longevity*. Poster Presentation at the Southern Region Conference of the American Association for Agricultural Education, Birmingham, Alabama.

- Walker, T. J., Hall, M. R., & Lindner, J. R. (2018, December). *Understanding food security needs met by campus food pantries*. Poster Presentation at the Professional Agricultural Workers Conference, Tuskegee, Alabama.
- Walker, T. J. (2018, October). *Peace Corps application and service*. Presentation at Auburn University Class of Introduction to Natural Resources, Auburn, AL.
- Walker, T. J. (2018, June). *Research interests overview*. Presentation at the Association for International Agriculture and Rural Development Conference, Washington, DC.
- Walker, T. J. (2018, April). *Potential applications of virtual reality in agricultural education*. Presentation at the Association for International Agricultural and Extension Education Conference, Merida, Mexico.
- Walker, T. J. (2018, March). *Adoption and diffusion of solar dryers for post-harvest management in Panamanian rural farming villages*. Poster Presentation at the Auburn University Student Research Symposia, Auburn, AL.
- Walker, T. J. (2018, March). *Peace Corps application and service*. Presentation at Auburn University Class of Introduction to Natural Resources, Auburn, AL.
- Walker, T. J. (2018, January). *Peace Corps service Panama*. Presentation at Auburn University Department of Career and Technical Education, Auburn, AL.
- Walker, T. J. (2017, September). *Peace Corps seminar*. Presentation at West Virginia University, Morgantown, WV.
- Sandlin, M. R., Walker, T. J., & Lindner, J. R. (2014, February). *Development of systems thinking in students reflections of a transdisciplinary team during an international experience*. Poster Presentation at the American Association for Agricultural Education Southern Region Conference, Dallas, TX.
- Sandlin, M. R., Walker, T. J., Lindner, J. R., & Strong, R. (2013, May). *Faculty abroad programs: Addressing local problems and curricula development*. Poster Presentation at the Association for International Agricultural and Extension Education Conference, Fort Worth, TX.
- Walker, T. J., Lindner, J. R., & Clement, C. A. (2013, June). *Master's international program facilitations student empowerment: Implications for educators*. Poster Presentation at the North American Colleges and Teachers of Agriculture Conference, Blacksburg, VA.

PEER REVIEWER

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| 2024 | Regional IPM Centers Competitive Grants Program |
| 2023 | USDA National Institute of Food and Agriculture (NIFA) Agriculture and Food Research Initiative (AFRI) Competitive Grants Program |

STUDENT SCHOLARSHIPS AND FELLOWSHIPS

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| 2020 | Association for International Agricultural and Extension Education conference student scholarship |
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2019 - 2020	Dean's Circle Scholarship, The College of Education, Auburn University
2018 - 2020	Auburn University Peace Corps Fellowship
2018	Association for International Agriculture and Rural Development Future Leaders Forum Fellowship
2018 - 2020	College of Education Graduate Travel Award, Auburn University
2011 - 2012	Federal SEOG Grant
2011 - 2012	Federal Pell Grant
2011 - 2012	Sylvia Stoevener Scholarship
2011	School for the Field Studies General Scholarship
2010 - 2012	Virginia Tech Funds for the Future Grant
2010 - 2012	John R. Dawkins Scholarship
2010 - 2011	Janis and Lean Geyer Scholarship
2009 - 2012	Virginia Tech Grant
2008 - 2009	Blanche Kinney Scholarship
2008 - 2009	Hermits Hollow Scholarships