

Amanda Michelle Bowling

Curriculum Vitae

Contact Information

The Ohio State University
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Education

- Ph.D. University of Missouri, July 2017
Agricultural Education
Dissertation: Conceptualizing the process of supporting youths' psychological needs and intrinsic motivation within School Based Agricultural Education programs: A mixed methods study
- M.S. University of Missouri, May 2010
Agricultural Education
Thesis: Frequency of coaching behaviors used by agricultural teachers in relation to the state Floriculture Career Development Event team rank.
- B.S. University of Missouri, May 2008
Agricultural Education

Professional Experience

Assistant Professor

Department of Agricultural Communication, Education, and Leadership
The Ohio State University, September 2018 to present

Courses Taught

Overall instructor rating of 4.67 out of 5.0 student evaluation scale

Course evaluation statistics available upon request

- COMLDR 2530—Introduction to Agricultural Communication, Education, and Leadership, Autumn Semester 2018, 2019, 2020, 2021, 2022
- COMLDR 3537—Data Analysis in Applied Sciences, Autumn Semester 2018, 2019, 2020
- ASE 5210—Youth Development and Experiential Learning in Agriscience

Education, Spring 2020, 2021

- ASE 5231—Experiential Learning in Agriscience Education, Autumn Semester 2018, 2019
- ASE 5220—Methods of Teaching Agriscience II, Autumn 2020, 2021, 2022
- AEE 8870—Analysis and Interpretation of Data, Spring Semester 2019
- AEE 8875—Analysis and Interpretation of Data Laboratory, Spring Semester 2019
- ACEL 8855—Research Methods and Design, Autumn 2021, 2022, Spring 2022, 2023
- ACEL 8877—Data Collection, Analysis, and Interpretation, Spring Semester 2020, 2021, 2022, 2023

Teaching Awards

- 2022-2023 CFAES Rodney F. Plimpton Distinguished Early Career Teacher Award

Guest Lectures

- ACEL 8855
 - Introduction to Qualitative and Mixed Methods Research
 - Autumn 2019
- ASE 4220
 - Assessing Student Learning
 - Autumn 2019
- AEE 8850
 - Introduction to Statistical Analyses
 - Autumn 2017
 - Autumn 2018
- ACEL Graduate Student Seminar
 - Creating a Research Agenda
 - Spring 2020

Advising

- Student Organization
 - Agricultural Education Society, Co-advisor 2018 – 2021
 - Excellence in Community Engagement Award, Awarded to Agricultural Education Society, CFAES Celebration of Students, 2019
- Undergraduate Advisees
 - 16 current students
- Undergraduate Honors Advisees
 - 4 current students
- Undergraduate Researchers
 - 1 current student
 - 3 graduated students (2 Research Advisor, 1 Research Committee Member)
- Graduate Advisees
 - Ph.D.
 - 4 current students (1 advisor; 3 co-advisor)
 - 1 graduated student (co-advisor)
 - Master's Degree—Thesis

- 2 graduated students (1 advisor; 1 co-advisor)
 - Master's Degree—Creative Component (Online)
 - 3 current students
- Graduate Committee Member
 - 5 current Ph.D. students
 - 1 graduated Ph.D. student
 - 1 current master's (thesis)
 - 2 graduated master's (thesis)
 - 4 graduated master's (project)

Departmental Roles

- ACEL Honors Program Coordinator, August 2018 – Present

Agriscience Education Program Roles

- University Supervisor
 - Supervise one to two student teachers per year

Agriscience Education Program Awards

- CFAES Learning Outcome Assessment—Award of Distinction, Agriscience Education Program awarded \$2500 Honorarium

Curriculum Revisions

- Programmatic
 - Agriscience Education Undergraduate Degree Program—Data driven revision of entire program curriculum sequence and courses (COMLDR 2530, ASE 2189, ASE 4189, ASE 4220, ASE 5210, and ASE 5220) to address student developmental needs
- Course
 - ACEL 8877—Entire course revision to align to new master's and Ph.D. programs

Visiting Assistant Professor

Department of Agricultural Communication, Education, and Leadership
The Ohio State University, August 2017 to August 2018

Courses Taught

- AEE 8193—Independent Study, Spring Semester 2018
- COMLDR 3537—Data Analysis in Applied Sciences, Autumn Semester 2017 and Spring Semester 2018
- AEE 8870—Analysis and Interpretation of Data, Autumn Semester 2017
- AEE 8875—Analysis and Interpretation of Data Laboratory, Autumn Semester 2017

Agriscience Education Degree Program Experiences

- University Supervisor, Spring Semester 2018
 - Supervised 5 pre-service agriscience teachers

Graduate Assistant

Department of Agricultural Education and Leadership
University of Missouri, August 2014 to May 2017

Lead Instructor

- AG ED LD 4087—Student Teaching Seminar, Spring 2016
- AG ED LD 2250—Introduction to Leadership Online, Summer 2015

Teaching Assistant

- AG ED LD 4330—Methods of Formal Instruction, Fall 2015 and Fall 2016
- AG ED LD 4331—Integrated Pre-Service Field Experience III, Fall 2015 and Fall 2016
- AG ED LD 4340—Designing and Delivering Educational/Leadership Programs
- AG ED LD 2250—Introduction to Leadership, Spring 2015 and Spring 2016
- AG ED LD 2270—Leadership Development in Youth Organizations, Fall 2014
- AG ED LD 2271—Early Field Experience, Fall 2014
- AG ED LD 2220—Verbal Communications, Fall 2014

Graduate Research Assistant—Center for the Collaboration and Development of Educational Innovations

- Broader Impacts Educational Design and Evaluation, 2016 – 2017
 - National Institute of Food and Agriculture, \$2,000,000 Extramural Grant
- Non-Formal and Extension Education Curriculum Design and Evaluation, 2015 – 2017
 - University of Missouri Extension
- Mentoring Undergraduate Research Project

Teacher of Agricultural Education

South Callaway R-II High School, Mokane, Missouri, July 2008 – June 2014

Teaching

- CASE Certified—Principles of Agricultural Science—Animal

Advising

- Co-Advisor South Callaway FFA Chapter, Model of Excellence, 3-star chapter
- Area IV FFA Association (2012-2013)

Service

- Cooperating Teacher for MU Student Teacher
- Cooperating Teacher for MU Early Field Experience Teachers
- Missouri Vocational Agriculture Teachers Association Professional Development Committee
- Callaway Youth Expo (Fair Board)
 - Treasurer
 - 4-H Volunteer
- South Callaway Professional Development Committee
- South Callaway Social Committee

- South Callaway Freshman Advisory Committee
- South Callaway Class Sponsor 2010-2014

Chapter in Edited Book

Bowling, A. M., & Washburn, S. 2020. Graduate Education in Agricultural Education. *Preparing Agriculture and Agriscience Educators for the Classroom*.

Journal Articles

Bowling, A. M., Giorgi, A*, J., Filson, C. M., & Kitchel, T. (2022). Agricultural education preservice teachers' metacognitive processes during reflection-in-action. *Journal of Teaching and Teacher Education*, 114.

Bowling, A. M., Rice, A. H., Curry, K. W., & Marx, A. A. (2022). The essence of agricultural education teachers' motivation beliefs across career stages. *Journal of Teaching and Teacher Education*, 114.

Thiel, R.*, Bowling, A. M., Rumble, J., McFadden, B., Stofer, K., & Folta, K. (2022). Impact of teaching methods on learner preferences and knowledge gained when informing adults about gene editing. *Advancements in Agricultural Development*, 3(1), 70-86.

Bowling A. M., & Rumble, J. (2021). Does it make a statistical difference? the impact of an inquiry-based project on student motivation in an applied statistics course. *NACTA Journal*, 65, 314-320.

Bowling, A. M., & Ball, A. L. (2020). More than winning: A mixed methods grounded theory investigation of the Career Development Event preparation process. *Journal of Agricultural Education*, 61(4), 1-14. DOI: <http://doi.org/10.5032/jae.2020.04001>

Bowling, A. M., & Ball, A. L. (2020). Supporting students' psychological needs and motivation within school based agricultural education programs: A mixed methods study. *Journal of Agricultural Education*, 61(2), 206-221. DOI: <https://doi.org/10.5032/jae.2020.02206>

Bowling, A. M., & Thieman, E. B. (2020). Exploring stress and recovery among high-achieving career development event teams: A mixed methods study. *Journal of Agricultural Education*, 61(2), 142-161. DOI: <https://doi.org/10.5032/jae.2020.02142>

Bird, W., Bowling, A. M., & Ball, A. L. (2020). Civic engagement, autonomy, and reflection: Factors influencing youth self-perceived civic responsibility. *Journal of Agricultural Education*, 61(1), 203-220. DOI: [10.5032/jae.2020.01203](https://doi.org/10.5032/jae.2020.01203)

Bowling, A. M., Ball, A. L., & Bird, W. (2020). Exploring motivational strategies, outcomes, and theories within the Career Development Event preparation process. *Journal of Agricultural Education*, 61(1), 221-234. DOI: [10.5032/jae.2020.01221](https://doi.org/10.5032/jae.2020.01221)

Bird, W., Bowling, A. M., & Ball, A. L. (2019) The role reflection plays in enhancing civic responsibility following FFA civic engagement activities. *Journal of Agricultural Education*, 60(1), 128 – 144. DOI: 10.5032/jae.2019.01128

Bowling, A. B., & Ball, A. L. (2018). Alternative certification: A solution or an alternative problem? *Journal of Agricultural Education*, 59(2), 109-122.

Bowling, A. B., Cross, D. T., & Ball, A. L. (2017). Incorporating cooperative learning groups and peer teaching to accommodate increased enrollments and enhance the learning environment of an animal anatomy lab. *NACTA Journal*, 61(4), 274-278.

Ball, A. L., Bowling, A. M., & Bird, W. (2016). A case study of learning, motivation, and performance strategies for teaching and coaching Career Development Event teams. *Journal of Agricultural Education*, 57(3), 115-128. DOI: 10.5032/jae.2016.03115

Ball, A. L., Bowling, A. M., & Sharpless, J. (2016). An observational analysis of coaching behaviors for Career Development Event teams: A mixed methods study. *Journal of Agricultural Education*, 57(3), 101-114. DOI: 10.5032/jae.2016.03101

Journal Articles Under Review

Swinehart-Held, K.*, & Bowling, A. M. *Teacher perceptions of relatedness in School-Based Agricultural Education programs: A mixed Methods Study*. Journal of Agricultural Education.

Bowling, A. M., & Gregg, C.*. *Undergraduate student perceptions of cooperative discussion groups as a classroom engagement tool*. NACTA Journal

External Grants--Funded

Lindsey, A. (P.I.), Klooster, W., & Bowling, A. M. (Co-P.I.'s). (FY 2021-2024). *AG is STEM: Connecting agriculture to environmental and biological science curriculum*, United States Department of Agriculture-AFRI EWD. Funded, \$267,731.

Jepsen, D. (P.I.), Bowling, A. M., & Rodriguez, M. (Co P.I.'s). (FY 2021-2025). *Safety in Agriculture for Youth Program*, United States Department of Agriculture- National Institute of Food and Agriculture. Funded, \$400,000.

External Grants—Submitted but Not Funded

Hathey, J. (P.I.), Basta, N., Bowling, A. M., and Debose, N. (Co-P.I.'s). *Grow LEADERS through urban agriculture*, United States Department of Agriculture-FASLP Food and Agriculture Service-Learning Program. Rejected, \$224,912.

Buck, E. (Lead P.I.), Bowling, A. M., Canas, L., Gardiner, M., Lewandowski, M., & McHale, L. (Co-P.I.'s). *College of Food, Agricultural, and Environmental Sciences leadership fellows:*

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Facilitating the underrepresented student leaders of tomorrow. United State Department of Agriculture-NIFA National Needs Fellowship program. Rejected, \$262,500.

Dami, I. (Project Director), Bowling, A. M., Hall, B., Wolf, T.(P.I.'s), Sabbantini, P., & Centinari, M. (Co-P.I.'s). *The Eastern US challenge: Increased resiliency of grapevines to extreme low temperatures*, United States Department of Agriculture-National Institute of Food and Agriculture. Rejected, \$1,664,695.

Wilkinson, D. (Lead P.I.), Gooch, K., & Bowling, A. (Co-P.I.'s). *GEMS Scholars*, United States Department of Agriculture- National Institute of Food and Agriculture. Rejected, \$500,000.

Internal Grants--Funded

Gregg, C. (Lead P.I.)*, Bowling, A. M. (Co-Advisor), and Kitchel, T. (Co-Advisor). *Exploring personal wellness and teacher perceptions of wellness in Ohio School-Based Agriscience Education (SBAE) teachers: An explanatory mixed methods study*, The Ohio State University OARDC IGP Graduate Competition. Funded: 2022-2023, \$3218.00.

Signorini, G. (Lead P.I.), Bowling, A.M. (Co P.I.), Canas, L. (Co P.I.), & Lindsey, A. (Co P.I.). *Specialty crop growers' attitudes and motivations towards biopesticides*, The Ohio State University OARDC IGP New Research Incentive Program. Funded: 2021 – 2023, \$49,888.00

Niewoehner-Green, J. (Lead P.I.), & Bowling, A. M. (Co P.I.). (FY 2019-2022). *Developing a valid and reliable instrument to measure youth's engagement and commitment to food system issues in Ohio*, The Ohio State University OARDC SEEDS Early Career Investigator Grant. Funded: 2019-2021, \$45,265.54.

Bowling, A. M. (Lead P.I.), Marx, A. A., Rice, A. M., & Curry, K. (Co-P.I.'s). (FY 2018-2020). *Identifying the essence of teacher's motivational beliefs*, North Dakota State University College of Human Development and Education: Faculty Development Fund to Enhance or Integrate Teaching or Research Grant. Funded, \$2025.

Internal Grants—Not Funded

Gregg, C. (Lead P.I.)*, Bowling, A. M. (Co-Advisor), and Kitchel, T. (Co-Advisor). *The Rainbow Owl: Issues facing queer agriscience teachers*, The Ohio State University OARDC IGP Graduate Competition. Submitted, Rejected, \$3223.00.

Bowling, A. M. (Lead P.I.), Marx, A. A., Rice, A. M., & Curry, K. (Co-P.I.'s). *Identifying the essence of teacher's motivational beliefs*, Pennsylvania State University ORAU Ralph E. Powe Junior Faculty Enhancement Award. Rejected, \$5,000.

Specht, A. (Lead P.I.), Buck, E. & Bowling, A. M. (Co-P.I.'s). *improving the efficacy of agricultural and environmental science information transfer through visual communication design and data visualization*, The Ohio State University OARDC SEEDS Early Career Investigator Grant. Rejected, \$38,120.

Other Funding Received

Bowling, A. M. (FY 2021- 2023). *Supporting undergraduate research*. ACEL Centennial Endowment. Funded, \$6900.

Filson, C. & Bowling, A. M. (FY 2019-2020). *Supporting STEM teaching practices in Agriscience Education*. Ohio Corn and Wheat Checkoff Funding. Funded, \$15,000.

Filson, C. & Bowling, A. M. (FY 2018-2019). *Inquiry-based learning: STEM for Ohio Agriscience Education*. Ohio Corn and Wheat Checkoff Funding. Funded, \$15,000.

Research Conference Papers and Presentations

*Indicates graduate student author

** Indicates undergraduate student author

Parker, H.*, & Bowling, A. M. (2022). Supporting student choice: A case study of autonomy supportive instructional behaviors in SBAE programs. *North Central Region AAAE Research Conference*.

Gregg, C.*, & Bowling, A. M. (2022). "I wanted to be the teacher I needed." Experiences of lesbian and gay School-Based Agriscience teachers. *North Central Region AAAE Research Conference*.

Gregg, C.*, & Bowling, A. M. (2022). Describing ingroup prejudices exhibited by School-Based Agricultural Education teachers and prejudice predictive demographics. *National AAAE Research Conference*.

Gregg, C.*, Swinehart-Held, K.*, Pulley, J.*, Jolliff, S.*, Bowling, A. M., & Kitchel, T. (2022). Teacher perceptions of administrator actions in COVID-19 and its impact on emotional exhaustion: A Moderation Analysis of Teacher Self Efficacy. *National AAAE Research Conference*.

Gregg, C.*, Bowling, A. M., & Ramsier, R.* (2022). School-Based Agricultural Education teachers' lived experiences and motivational factors amid COVID-19. *National AAAE Research Conference*.

Gregg, C.*, & Bowling, A. M. (2022). Modeling action research through statistics in an undergraduate statistics course. *NACTA Conference*.

Gregg, C.*, Bowling, A.M., & Ramsier, R.* (2022). "We adapt right? Nobody wanted this." School-Based Agricultural Education teachers' motivation in COVID-19: A phenomenology. *American Educational Research Association Annual Meeting*.

Gregg, C.*, Swinehart-Held, K.*, Pulley, J.*, Jolliff, S.*, Kitchel, T., & Bowling, A.M. (2022). School Based Agricultural Education teachers' emotional exhaustion through COVID-19: A mediation analysis of administrator actions. *American Educational Research Association Annual Meeting*.

- Swinehart-Held, K.*, & Bowling, A. M. (2021). School Based Agricultural Education teachers' perceptions of supporting student relatedness. *North Central Region AAAE Research Conference, Columbus, OH.*
- Gregg, C.*, & Bowling, A. M. (2021) Gender and hometown as predictors for School-Based Agricultural Education teach ingroup prejudices. *North Central Region AAAE Research Conference, Columbus, OH.*
- Rinehart, K.*, Neiwoehner-Green, J., & Bowling, A. M. (2021). Engaging youthin food systems issues: An Ohio case study. *North Central AAAE Research Conference, Columbus, OH.*
- Gregg, C.*, Bowling, A. M., & Kitchel, T. (2021). Describing prejudices held by Midwestern secondary agriculture teachers. *NACTA Conference, Virtual Due to COVID-19.*
- Gregg, C.*, & Bowling, A. M. (2021). Cooperative discussion groups: providing structure and meaning in class discussions. *NACTA Conference, Virtual Due to COVID-19.*
- Swinehart-Held, K.*, & Bowling, A. M. (2021). Agricultural Education Relatedness: Teacher perceptions about relatedness strategies. *NACTA Conference, Virtual Due to COVID-19.*
- Gregg, C.*, & Bowling, A.M. (2020). Cooperative discussion groups as an engagement tool for undergraduate courses. *National Conference on Learner-Centered Teaching, Virtual due to COVID-19.*
- Bowling, A. M., Rice, A. M., Curry Jr, K. W. & Marx, A. (2020, Apr 17 - 21) How do I motivate them? The transition of school-based agricultural education teachers' motivational beliefs through the years. *AERA Annual Meeting, Conference Cancelled Due to COVID-19.* <http://tinyurl.com/uj6pry2>
- Bowling, A. M., Giorgi, A.*, & Filson, C. (2020, Apr 17 - 21) Utilizing Reflection-in-Action within an Agriscience Education teacher preparation program. *AERA Annual Meeting, Conference Cancelled Due to COVID-19.* <http://tinyurl.com/wbkznug>
- Bowling, A. M., Rice, A. H., Curry, K. W., & Marx, A. A. (2019). Motivational beliefs of school based Agricultural Education teachers through career stages. *North Central AAAE Research Conference, Lansing, MI.*
- Bowling, A. M., Rice, A. H., Curry, K. W., & Marx, A. A. (2019). Shared motivational beliefs of school based Agricultural Education teachers. *North Central AAAE Research Conference, Lansing, MI.*
- Giorgi, A. J.*, Bowling, A. M., & Filson, C. M. (2019). Metacognition of pre-service teachers: A phenomenology of reflection-in-action. *North Central AAAE Research Conference, Lansing, MI.*
- Bowling, A. M., & Ball, A. L. (2019). Supporting students' psychological needs and motivation within a high school career and technical education program: A mixed

- methods study. *7th International Self Determination Theory Conference*, Amsterdam, Netherlands.
- Bird, W., Bowling, A. M., & Ball, A. L. (2019). Quantity vs. quality: How do varying FFA civic engagement programming structures influence students' civic responsibility perceptions? *National AAAE Research Conference*, Des Moines, IA.
- Bird, W., Bowling, A. M., & Ball, A. L. (2019). Factor impacting civic responsibility development during FFA civic engagement activities. *Southern Region AAAE Research Conference*, Birmingham, AL.
- Bowling, A. M., & Ball, A. L. (2018). Conceptualizing the process for supporting students' psychological needs and motivation within School Based Agricultural Education Programs: A mixed methods study. *National AAAE Research Conference*, Charleston, SC.
- Bird, W., Bowling, A. M., & Ball, A. L. (2018). Let's talk about it: Enhancing civic responsibility with civic engagement and reflection. *National AAAE Research Conference*, Charleston, SC.
- Bird, W., Ball, A. L., & Bowling, A. M. (2018). Reflecting on experience: The impact of reflection following FFA civic engagement activities. *Southern Region AAAE Research Conference*, Jacksonville, FL.
- Bowling, A. M., & Ball, A. L. (2018). Comparing the autonomy, competence, and relatedness of School Based Agricultural Education students. *American Educational Research Association Annual Meeting*, New York, NY.
- Bowling, A.M., & Ball, A. L. (2017). A comparison of School Based Agricultural Education students' psychological needs. *North Central Region AAAE Research Conference*, Ames, IA.
- Bowling, A. M., & Ball, A. L. (2017). A motivational view of preparing successful Career Development Event teams. *National AAAE Research Conference*, San Luis Obispo, CA.
- Bowling, A. M., & Ball, A. L. (2016). Conceptualizing the process of CDE preparation: A grounded theory approach. *Annual Research & Creative Activities Forum*, University of Missouri.
- Bowling, A. M., & Ball, A. L. (2016). Alternative certification: A solution or an alternative problem? *National AAAE Research Conference*, Kansas City, MO.
- Bowling, A. M., Tummons, J. D., & Ball, A. L. (2016). Student motivation and valuing of active learning strategies in large lecture agricultural undergraduate courses. *National NACTA Research Conference*, Manoa, HI.

- Bowling, A. M., & Ball, A. L. (2016). A motivational view of preparing successful Career Development Event teams. *North Central Region AAAE Research Conference, West Lafayette, IN.*
- Bowling, A.M., & Ball, A. L. (2015). A case study of learning, motivation, and performance strategies for teaching and coaching Career Development Event teams. *Annual Research & Creative Activities Forum, University of Missouri.*
- Ball, A. L., Bowling, A. M., & Bird, W. (2015). A case study of learning, motivation, and performance strategies for teaching and coaching Career Development Event teams. *National AAAE Research Conference, San Antonio, TX.*
- Bowling, A. M., & Ball, A. L. (2015). What do we see, what do they say? A collective case study of instructional and coaching behaviors when preparing Career Development Event Teams. *North Central Region AAAE Research Conference, Minneapolis, MN.*
- Ball, A. L., & Bowling, A. M. (2015). Conceptualizing the process of CDE preparation: A grounded theory approach. *North Central Region AAAE Research Conference, Minneapolis, MN.*
- Bowling, A. M., Ball, A. L., & Wilson, J. (2015). Alternative certification: A solution or an alternative problem? *North Central Region AAAE Research Conference, Minneapolis, MN.*
- Bowling, A. M., & Torres, R. M. (2010). Frequency of coaching behaviors used by agricultural teachers in relation to the state Floriculture Career Development Event team rank. *North Central Region AAAE Research Conference, Manhattan, KS.*

Research Conference Poster and Roundtable Presentations

- Gregg, C.*, & Bowling, A. M. (2022). Homophobias and other prejudices exhibited by Midwestern School-Based Agricultural Education teachers. *Cultivating Change Summit.*
- Gregg, C.*, & Bowling, A. M. (2022). A phenomenological analysis of unique stressors facing LGBTQ+ school-based ag-ed teachers. *Cultivating Change Summit.*
- Bliss, M.**, Okuley, L.**, Rockers, A.*, Bowling, A. M., & Specht, A. (2022). Exploring research outreach and engagement in departments of agricultural communication, education, and leadership. *CFAES Undergraduate and Graduate Research Forum.*
- McMullen, N.**, Gregg, C.*, & Bowling, A. M. (2022). Teacher perspectives of establishing youth development organizations in agriculture for minority students. *CFAES Undergraduate and Graduate Research Forum.*
- Gregg, C.*, & Bowling, A. M. (2022). “I wanted to be the teacher I needed”: Experiences of LGBTQ+ agriscience teachers. *CFAES Undergraduate and Graduate Research Forum.*

- Gregg, C.*, & Bowling, A. M. (2022). "I wanted to be the teacher I needed": Experiences of Lesbian and Gay agriscience teachers. *OSU Edward F. Hayes Graduate Research Forum*.
- Rinehart, K.*, Bowling, A. M., & Niewoehner-Green, J. (2022). Addressing food system issues through youth engagement: An Ohio case study. *National AAAE Research Conference*.
- King, J., Buck, E., Rumble, J., Bowling, A. M., & Kivel, M. (2021). Investing is self: ACEL graduate degree program. *The Ohio State University Extension Annual Conference, Virtual due to COVID-19*.
- Rinehart, K.*, Gregg, C.*, Jolliff, S.*, Bowling, A. M., & Niewoehner-Green, J. (2021). Breaking the barriers of gender & sexual orientation in Agricultural Education. *North Central AAAE Research Conference, Columbus, OH*.
- Gregg, C.*, & Bowling, A. M. (2021). Student perceptions of engagement via cooperative discussion groups. *National AAAE Research Conference, Virtual due to COVID-19*.
- Gregg, C.*, Bowling, A. M., & Kitchel, T. (2021). Creation and validation of an administrator support amid COVID-19 scale. *National AAAE Research Conference, Virtual due to COVID-19*.
- Gregg, C.*, Bowling, A. M., & Kitchel, T. (2021). Examining prejudice exhibited by agricultural teachers in the Midwestern U.S. *National AAAE Research Conference, Virtual due to COVID-19*.
- Gregg, C.*, Swinehart-Held, K.*, Pulley, J.*, Jolliff, S.*, Kitchel, T., & Bowling, A.M. (2021). Teacher emotional exhaustion in the age of COVID-19. *National AAAE Research Conference, Virtual due to COVID-19*.
- Swinehart Held, K. A.*, & Bowling, A. M. (2021). Teacher perceptions about relatedness strategies in School Based Agricultural Education programs. *OSU Edward F. Hayes Graduate Research Forum, Virtual due to COVID-19*.
- Gregg, C.*, & Bowling, A. M. (2021). Examining prejudice exhibited by agricultural teachers in the Midwestern U.S. *OSU Edward F. Hayes Graduate Research Forum, Virtual due to COVID-19*.
- Gregg, C.*, & Bowling, A. M. (2021). Examining prejudice exhibited by agricultural teachers in the Midwestern U.S. *CFAES Undergraduate and Graduate Research Forum, Virtual due to COVID-19*.
- Swinehart Held, K. A.*, Bowling, A. M., & Myers, K.* (2020). Relatedness within School Based Agricultural Education program from the perspective of the teacher. *North Central Region AAAE Research Conference, Virtual due to COVID-19 travel restrictions*.

- Stollar, M., Specht, A., & Bowling, A. M. (2020). College students' perceptions of food labels and their influence on food purchasing decisions. *OSU Spring Undergraduate Research Festival, Virtual due to COVID-19.*
- Swinehart Held, K.*, Myers, K.*, & Bowling, A. M. (2020). Teacher beliefs of relatedness within School-Based Agricultural Education programs. *National AAAE Research Conference, Virtual due to COVID-19.*
- Thiel, R.*, Bowling, A. M., & Rumble, J. (2020). A mixed methods study on teaching methods for andragogy on gene-editing technology. *National NACTA Research Conference, Virtual due to COVID-19.*
- Bowling, A. M., & Rumble, J. (2019). Motivating students to not sleep through statistics: The power of inquiry. *National AAAE Research Conference, Des Moines, IA.*
- Bowling, A. M., & Thieman, E. B. (2017). Stressful success: CDE preparation viewed through physiological stress. *National NACTA Research Conference, West Lafayette, IN.*
- Spence, A. M., Wood-Turley, S., & Bowling, A. M. (2016). The medias influence on scientific issues related to agriculture. *MU Undergraduate Research and Creative Achievements Forum, University of Missouri.*
- Bowling, A. B., Tummons, J. D., & Ball, A. L. (2016). Undergraduate student motivation and valuing of active learning in large agricultural leadership and communication lecture courses. *National AAAE Research Conference, Kansas City, MO.*
- Bowling, A. M., Cross, D., & Ball A. L. (2016). Using cooperative learning groups and peer teaching to combat the challenges facing veterinary laboratory courses. *National NACTA Research Conference, Manoa, HI.*
- Bowling, A. M., Thieman, E. B., & Ball, A., L. (2016). The stress of success: A case study of successful CDE coaching through the lens of physiological stress. *North Central Region AAAE Research Conference, West Lafayette, IN.*
- Tummons, J. D., & Bowling, A. M. (2015). Undergraduate student technology use in agricultural leadership lectures. *North Central Region AAAE Research Conference, Minneapolis, MN.*

Innovative Conference Poster Presentations

- Parker, H.*, Bowling, A. M., Pulley, J.*, & Claflin, K. (2022). Planning to grow: Grading preservice lessons plans with a growth mindset. *National AAAE Research Conference.*
- Scheer, S. D., Bowling A. M., Ramsier, R. A., & Niewoehner-Green, J. E. (2020). Implementing a successful undergraduate introduction course representing two majors. *National AAAE Research Conference, Virtual due to COVID-19.*

Giorgi, A. J., Bowling, A. M., Filson, C. M., & Kitchel, T. (2019). Reflection-In-Action: Promoting metacognitive development of pre-service teachers. *National AAAE Research Conference, Des Moines, IA.*

Research Honors

- Distinguished Paper—National AAAE Conference, 2022
- 1st Runner Up Outstanding Journal or Agricultural Education Manuscript – Journal of Agricultural Education, 2021
- 3rd Place Ph.D. Research Presentation—CFAES Undergraduate and Graduate Research Forum and Poster Competition, 2021
- Distinguished Abstract — North Central AAAE Conference, 2019
- Outstanding Paper Presentation—National AAAE Conference, 2019
- Outstanding Paper Presentation—National AAAE Conference, 2018
- 2nd Runner Up Outstanding Paper Presentation (3rd Place of 3 awarded) — North Central AAAE Conference, 2017
- 2nd Place in Social Science Qualitative Research--33rd Annual Research and Creative Activities Forum, 2016
- Outstanding Paper Presentation (1st Place of 3 awarded) – North Central AAAE Conference, 2015
- 1st Runner Up Outstanding Paper Presentation (2nd Place of 3 awarded) – North Central AAAE Conference, 2015
- 1st Place in Social Science Qualitative Research—32nd Annual Research and Creative Activities Forum, 2015

Popular Publications

Rinehart, K. S.*, Neiwoehner-Green, J., Bowling, A. M. (2021). Looking beyond canned food drives: How collaboration and innovation can engage youth in addressing food insecurity and healthy living within your community. *The Agricultural Education Magazine*, 93(6).

Bowling, A., & Bowling, C. (2013). On marriage, family, and agricultural education... *The Agricultural Education Magazine*, 86(3), 21-22.

Media

Swinehart-Held, K.; Bowling, A.M. (2022). Types of Thinking Roundtable. *Owl Pellets Podcast*.

Gregg, C.; Bowling A.M. (2022). SBAE Perspectives Roundtable: Diversity, Equity, Inclusion, and Agriculture. *Owl Pellets Podcast*.

Bowling, A. M. (2021). Successful CDE Teams. *Owl Pellets Podcast*.

Rice, A. H., & Bowling, A. M. (2020). Does what motivates teachers motivate students? *Owl Pellets Podcast*.

Bowling, A. M. (2018). Motivating students-intrinsic vs. extrinsic. *Owl Pellets Podcast*.

Invited Presentations

Bowling, A. M. (2018). Effective lesson planning. *Ohio Department of Education New Teacher Success Series*. Columbus, OH.

Bowling, A. M. (2016). CDE coaching and training techniques. *University of Illinois AGED 499: CDE Course*. Urbana, IL.

Bowling, A. M. (2015). A case study of learning, motivation, and performance strategies for teaching and coaching Career Development Event teams. *Student Keynote Research Presentation at Graduate Professional Council Esteemed Legislator Award Reception*. Columbia, MO.

Other Presentations and Workshops

Lindsey, A., Klooster, W., & Bowling, A. M. (2022). Ag is STEM: Nutrients. *Ag is STEM Workshop Series (USDA-NIFA AFRI funded)*, Columbus, OH.

Bowling, A. M. (2022). How Far Can They Climb? Mentoring the Next Generation of Agricultural Educators. *ACEL Cooperating Educator Orientation*, Virtual.

Neiwoehner-Green, J., Rinehart, K. S., Gregg, C., & Bowling, A. M. (2022). Breaking the barriers of gender and sexual orientation in the agricultural classroom. *National NACTA Research Conference*, Virtual.

Lindsey, A., Klooster, W., & Bowling, A. M. (2022). Ag is STEM: Ecology. *Ag is STEM Workshop Series (USDA-NIFA AFRI funded)*, Columbus, OH.

Ramsier, R., Gregg, C., & Bowling, A.M. (2022). Turning COVID lemons into lemonade. *Ohio Association of Agricultural Educators Summer Conference*, Columbus, OH.

Lindsey, A., Klooster, W., & Bowling, A. M. (2022). Ag is STEM: Genes and Genetics. *Ag is STEM Workshop Series (USDA-NIFA AFRI funded)*, virtual.

Lindsey, A., Klooster, W., & Bowling, A. M. (2022). Ag is STEM: Nutrients. *Ag is STEM Workshop Series (USDA-NIFA AFRI funded)*, virtual.

Gregg, C., Swinehart-Held, K., Pulley, J., Jolliff, S., Kitchel, T., & Bowling, A.M. (2021). Teacher Emotional Exhaustion in the Age of COVID-19. *National Association of Agricultural Educator Annual Conference*, virtual.

Bowling, A. M. (2021). How Far Can They Climb? Mentoring the Next Generation of Agricultural Educators. *ACEL Cooperating Educator Orientation*, Columbus, OH.

Lindsey, A., Klooster, W., & Bowling, A. M. (2021). Ag is STEM: Ecology. *Ag is STEM Workshop Series (USDA-NIFA AFRI funded)*, Columbus, OH and virtual.

- Bowling, A. M. (2021). Youth motivation: Sustaining motivation through research supported strategies. *ACEL to Extension Workshop Series*, Columbus, OH.
- Gregg, C., Swinehart-Held, K., Pulley, J., Jolliff, S., Kitchel, T., & Bowling, A.M. (2021). Teacher Emotional Exhaustion in the Age of COVID-19. *Ohio Association of Agricultural Educators Summer Conference*, Wooster, OH.
- Bowling, A. M. (2021). How Far Can They Climb? Mentoring the Next Generation of Agricultural Educators. *ACEL Cooperating Educator Orientation*, virtual.
- Bowling, A. M., Rice, A. H., Curry, K., Marx, A., & Swinehart-Held, K. (2020). I just can't get them engaged!: Exploring research on student engagement and motivation to help improve our teaching. *National Association of Agricultural Educators National Convention, Virtual Conference due to COVID-19 travel restrictions*.
- Filson, C. M., & Bowling, A. M. (2019). Reflection-in-action. *Ohio Summer Agricultural Education Conference*, Columbus, OH.
- Bowling, A. M. (2019). Enhancing your communication with parents. *OSU Student Teacher Seminar*, Columbus, OH.
- Bowling, A. M. (2018). Curriculum mapping and pacing guides. *OSU Student Teacher Seminar*, Columbus, OH.
- Bowling, A.M. (2018). The book ends of lessons and learning. *OSU Student Teacher Seminar*, Columbus, OH.
- Ball, A. L., & Bowling, A. M. (2015). Teaching and coaching! Strategies for CDE preparation. *National Association of Agricultural Educators*, New Orleans, LA.
- Bowling, A. M., & Ball, A. L. (2015). Mini tech: Understanding best practices in CDE coaching. *Missouri Vocational Agricultural Teachers Association Summer Conference*, Springfield, MO.
- Milhollin, K., & Bowling, A. M. (2014). Floriculture Career Development Event preparation. *Missouri Agriculture Teachers Summer Institute*, Kingdom City, MO.
- Bowling, A. M. (2013). Floriculture Career Development Event. *Carousel workshop for Missouri Vocational Agricultural Teachers Association Summer Conference*, Springfield, MO.
- Bowling, A. M. (2011). Using coaching behaviors to prepare Career Development Event teams. *National Association of Agricultural Educators*, Las Vegas, NV.
- Bowling, A. M. (2010). Using coaching behaviors when preparing Career Development Event teams. *Carousel Workshop for Missouri Vocational Agricultural Teachers Association Summer Conference*, Springfield, MO.

Professional Development

- OSU UTIL Faculty Support Program (*completed all three phases*), 2018 – 2020
- National Association of Agricultural Educators (NAAE) National Convention, 2020
- Environmental Professional Network Breakfast Program: Environmental Careers, Curriculum and Collaborations, 2019
- OSU UTIL Foundations, Impact, Transformation (FIT) Program, 2018
- CFAES Junior Faculty Conference, 2018

Initiatives Undertaken to Enhance Diversity, Equity, and Inclusion

- ACEL Diversity, Equity, and Inclusion Field Trip—Central State University, 2022
- ACEL Diversity, Equity, and Inclusion Field Trip—Hopewell Mounds, 2021
- CFAES Inclusive Excellence Training, 2021
- ACEL Diversity, Equity, and Inclusion Book Club, 2021
- ACEL Incorporating Diversity, Equity, and Inclusion in Your Courses, Programs, and Outreach, 2021
- ACEL Inclusive Pedagogy, 2020
- ACEL Creating Inclusive Classrooms, 2020
- ACEL Implicit Bias: Next Steps in Addressing Bias in our Work, 2019
- ACEL Blindspot: Hidden Biases and Good People Book Review, 2019

Professional Organizations

- Ohio Association of Agricultural Educators, 2017
- Ohio Association for Career and Technical Education, 2017
- North American Colleges and Teachers of Agriculture, 2015-present
- American Educational Research Association, 2015-present
- American Association for Agricultural Education, 2014-present
- Agricultural Education Graduate Student Association, 2014-present
 - Treasurer, August 2014-2016
 - Co-Treasurer, August 2016
 - Webmaster, August 2016
- Missouri Vocational Agricultural Teachers Association, 2008-2014
 - MVATA Area IV Secretary, 2013-2014
- National Association of Agricultural Educators, 2008-present
- Missouri Association for Career and Technical Education, 2008-2014
- National Association for Career and Technical Education, 2008-present

Professional Service

Professional Organization Service

- Member, Journal of Agricultural Education Editing Managing Board, 2022 – Present
- Manuscript Reviewer, Journal of Teaching and Teacher Education, 2022—Present

- Manuscript Reviewer, Advancements in Agricultural Development, 2021 – Present
- Member, American Association for Agricultural Education Professional Development Committee, 2021 – Present
- Member and Co-Chair, North Central Region American Association for Agricultural Education Professional Development Committee, 2021 – Present
- Lead Conference Host, North Central Region American Association for Agricultural Education, 2021
- Lead Virtual Conference Host, North Central Region American Association for Agricultural Education, 2020
- Member, American Association for Agricultural Education Research Committee, 2019 – 2021
- Member, North Central Region, American Association for Agricultural Education Research Committee, 2019 – 2021
- Manuscript Reviewer, American Educational Research Association, 2018 – present
- Manuscript Reviewer, Journal of Agricultural Education, 2018 – present
- Research Poster Reviewer, American Association for Agricultural Education, 2017
- Innovative Poster Reviewer, American Association for Agricultural Education, 2017
- Session Facilitator, American Association for Agricultural Education, North Central Conference, 2014 – 2015

University Service

- Member, OSU UTIL Faculty Support Program Work Group, 2018
- Member, UTEC Appeals Subcommittee, 2018 – present

College Service

- Member, Associate Dean for Academic Programs Position Search Committee, 2021 – Present
- Co-External Evaluator, CFAES Strategic Alignment for Research Success (STARS) Program, 2021 – Present
- Judge, CFAES Undergraduate and Graduate Research Forum and Poster Competition, 2021
- Member, Lean on Your Land Grant Task Force, 2020
 - Member, Youth+Family+Community Sub Task Force, 2020
- Member, CFAES IGP Grant Committee, 2019 – present
- Member, CFAES Farm Science Review and Molly Caren Agricultural Center Executive Committee, 2019 – present
 - Member, FSR Youth Education Subcommittee, 2019 – present
- Appointed Member, CFAES Honors Committee, 2018-Present

Department Service

- Member, ACEL Diversity, Equity, and Inclusion Committee, 2022 – Present
- Member, ACEL Graduate Studies Committee, 2021 – Present
- Member, ACEL Research Committee, 2021 – Present
- Co-Chair, ASE Faculty Position Search Committee, 2021
- Member, ACEL Academic Affairs Committee, 2019 – 2021
- Chair, ACEL Group Scheduling Subcommittee, 2018 – 2019
- Member, ACEL Outreach and Strategic Planning Committee, 2018 – 2021

State FFA Association Service

- National Chapter Award Judge, Ohio FFA Association, 2021
- Agriscience Fair Judge, Ohio FFA Association, 2018 – 2019
- State Officer Interview Judge, Ohio FFA Association, 2018
- Finalist Frenzy Judge, Ohio FFA Association, 2018
- Career Development Event Liaison, Missouri FFA Association, 2015 – 2017
- Agriscience Fair Judge, Missouri FFA Association, 2015 – 2016

Honors and Awards

- Outstanding Early Career Member, North Central Region AAAE, 2022
- Honorary Membership, OSU Agricultural Education Society, 2021
- Honorary Chapter Degree, South Callaway FFA, 2014
- Cum Laude and Honors Scholar, University of Missouri, 2008