

M. SUSIE WHITTINGTON

Curriculum Vitae

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Office:

College of Food, Agricultural, and Environmental Sciences
Department of Agricultural Communication, Education & Leadership
The Ohio State University
2120 Fyffe Rd.
Columbus, OH 43210
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6195 Moore Rd.
Delaware, OH 43015

EDUCATION

Doctor of Philosophy, 1991

The Ohio State University, Columbus, Ohio

Field of Study: Agricultural Education

Specialty: Teacher Education, Agricultural Communication, Research & Statistics

Dissertation Title: "Aspired Cognitive Level of Instruction, Assessed Cognitive Level of Instruction, and Attitude Toward Teaching at Higher Cognitive Levels"

Advisor: Dr. L. H. Newcomb

Master of Science, 1988

The Ohio State University, Columbus, Ohio

Field of Study: Agricultural Education

Specialty: Education Policy and Leadership

Thesis Title: "The Current Status of the Female Vocational Agriculture Teachers in Ohio with Regard to Support and Encouragement, Subtle Sexual Harassment and Sex Discrimination, and Job Enjoyment"

Co-Advisors: Dr. L. H. Newcomb, Dr. James Knight, Dr. Jan Henderson

Bachelor of Science, 1982

The Ohio State University, Columbus, Ohio

Field of Study: Agricultural Education

Specialty: Animal Science

Advisor: Dr. J. Robert Warmbrod

Certifications

2003 Praxis III Assessment Professional Certification, Ohio Department of Education

2009 Certificate in Intercultural Awareness and Community Engagement, Multicultural Center, The Ohio State University

2010 Animal Science Curriculum Certification, CASE

2011 Plant Science Curriculum Certification, CASE

2012 Agricultural, Food, & Natural Resources Curriculum Certification, CASE

2013 Open Doors Certification, Multicultural Center, The Ohio State University

2014 Cultural Intelligence Certification, Cultural Intelligence Center, LLC
2018 Mentorship Faculty Endorsement, Institute for Teaching and Learning, The Ohio State University
2019 Teach@OhioState, Institute for Teaching and Learning, The Ohio State University
2019 Digital Flagship Teaching Cohort, The Ohio State University

PROFESSIONAL EXPERIENCE

Director, Second-year Transformational Experience Program, 2017 to present

The Ohio State University, Columbus

3-year contract; 60% Provost's office, 40% ACEL (2017- November, 2019)

3-year contract; 80% Provost's office, 20% ACEL (December, 2019 – present)

Administrative duties include:

- Overseeing curriculum development and revision
- Guiding faculty recruitment and professional development
- Serving on STEP Executive Steering Committee
- Representing STEP on OSAS Leadership team
- Engaging campus partners
- Guiding fiscal decision making
- Partnering in assessment decisions
- Co-teaching faculty mentor workshops
- Writing outward facing publications and messaging
- Preparing and maintaining governing documents
- Co-authoring scholarly publications and presentations

Professor of Agricultural Communication, Education & Leadership, 2012 to present

Department of Agricultural Communication, Education, and Leadership

The Ohio State University, Columbus

12-month contract; 25% research, 75% teaching

Professor of Human and Community Resource Development, 2011 to 2012

Department of Human and Community Resource Development

The Ohio State University, Columbus

12-month contract; 25% research, 75% teaching

Associate Professor of Human and Community Resource Development, 2000 to 2011

Department of Human and Community Resource Development

The Ohio State University, Columbus

12-month contract; 25% research, 75% teaching

Associate Professor of Agricultural and Extension Education, 1999-2000

Department of Agricultural and Extension Education

The Pennsylvania State University, University Park

12-month contract; 25% research, 75% teaching

Assistant Professor of Agricultural and Extension Education, 1995-1999

Department of Agricultural and Extension Education
The Pennsylvania State University, University Park
12-month contract; 25% research, 75% teaching

Assistant Professor of Agricultural Education, 1991-1995

Department of Agricultural and Extension Education
University of Idaho, Moscow
12-month contract; 25% research, 75% teaching

Graduate Research Assistant, 1987-1991

Department of Agricultural Education
The Ohio State University, Columbus

Food, Agricultural, Environmental Science Teacher, 1982-1987

Wellington High School
Wellington, Ohio

FORMAL COURSES TAUGHT (SINCE 2000: QTR TERMS, 3 DIGIT. 2012: SEM TERMS, 4 DIGIT)

- Instructor/Co-Instructor, Ag Ed 100, COMLDR 1100, Survey in Agricultural Communication, Education & Leadership
- Instructor/Co-Instructor, Ag Ed 230, COMLDR 2350, Introduction to Agricultural Communication, Education & Leadership
- Instructor, Ag Ed HE230, COMLDR 2350E, Introduction to Agricultural Communication, Education & Leadership (honors embedded)
- Instructor, Ag Ed 230D, Introduction to Agricultural and Extension Education (via distance)
- Instructor of Record, Ag Ed 280, Early Field Experience in Agricultural and Extension Education
- Instructor, Ag Ed 335, Sophomore Seminar in Agricultural Education
- Instructor, FAES 3590H, Honors Research
- Instructor, Ag Ed 380, Second Field Experience in Agricultural Education
- Instructor, Ag Ed 430, Junior Seminar in Agricultural Education
- Instructor, CFAES H4590, Honors Research
- Instructor, Ag Ed 530.01, Methods of Teaching in Nonformal Learning Environments
- Instructor, Ag Ed 530.02, ASE 5230, Methods of Teaching in Agricultural Education
- Instructor, ASE 5232, Capstone in Agriscience Education
- Supervisor, Ag Ed 580, ASE 5280, Field Experience in Public Schools
- Instructor, Ag Ed 585, ASE 5255 Program Development in Public Schools
- Instructor, Ag Ed 594, Group Studies, Laboratory Pedagogy and Management
- Instructor, Ag Ed 594, Toward a Culturally Proficient Learning Environment
- Instructor, COMLDR 3535, Toward Cultural Proficiency (University General Education Requirement – beginning, 2013)
- Instructor of Record, Ag Ed H683, Honors Projects
- Instructor, AEE 642, Youth Organizations
- Instructor, AEE 684.10, Seminar, New Teacher Induction
- Instructor, AEE 730, AEE 7300 (online), Advanced Teaching Methods
- Instructor, AEE 790, AEE 7889, Workshop in Agricultural and Extension Education, New Teacher Induction, CASE Institute (Host)
- Instructor, AEE 812, Teacher Education (Taught as Independent Study)

- Instructor, AEE 888, AEE 8880, Instrumentation and Procedures for Data Collection

REFEREED JOURNAL PUBLICATIONS (*N* =39)

* denotes graduate students mentored

Whittington, M. S., & Newcomb, L. H. (1990). Teaching at higher levels of cognition. North American Colleges and Teachers of Agriculture Journal, 34(2), 20-23.

Whittington, M. S., & Newcomb, L. H. (1992). Raising cognitive levels of college classroom instruction. North American Colleges and Teachers of Agriculture Journal, 35(2), 8-11.
Honorable Mention, **E. B. Knight Outstanding Journal Article.**

Whittington, M. S., & Newcomb, L. H. (1993). Aspired cognitive level of instruction, assessed cognitive level of instruction and attitude toward teaching at higher cognitive levels. Journal of Agricultural Education, 34(2), 55-62.

Bowman, G. L. T.*, & Whittington, M. S. (1994). Comparison of teaching among professors assessed as implementing higher levels of cognition in their classroom discourse. North American Colleges and Teachers of Agriculture Journal, 38(4), 11-14.

Whittington, M. S., & Raven, M. R. (1995). Learning and teaching styles of student teachers in the northwest. Journal of Agricultural Education, 36(4), 10-17.

Whittington, M. S. (1995). Higher order thinking opportunities provided by professors in college of agriculture classrooms. Journal of Agricultural Education, 36(4), 32-38. **Author of the Year Award.**

Whittington, M. S., & Raven, M. R. (1995). Learning styles: An assessment--an application. North American Colleges and Teachers of Agriculture Journal, 39(3), 6-9.

Raven, M. R., Whittington, M. S. & Day, T. (1997). Learning style differences among NACTA conference participants. North American Colleges and Teachers of Agriculture Journal, 41(1), 20-24.

Whittington, M. S. (1997, selected to reprint). Classroom behaviors: What lessons can professors learn? North American Colleges and Teachers of Agriculture Journal, 41(1), 37-42. **E. B. Knight Outstanding Journal Article.**

Whittington, M. S., McCormick, D.F.*, & Kalariya, R. (1997). Examining the academic challenges provided by college of agriculture professors. North American Colleges and Teachers of Agriculture Journal, 41(4), 41-44.

Whittington, M. S., Stup, R., Bish, L. A., & Allen, E. (1997). Assessment of cognitive discourse: A study of thinking opportunities provided by professors. Journal of Agricultural Education, 38(1), 46-53.

Whittington, M. S. (1998). Improving the cognitive level of college teaching: A successful faculty intervention. Journal of Agricultural Education, 39(3), 31-40. **Author of the Year Award.**

- Whittington, M. S. (1999). Increasing opportunities for students to think in college classrooms: A faculty intercession program. North American Colleges and Teachers of Agriculture Journal, 43(2), 28-32. **Jack Everly Outstanding Journal Article.**
- McCormick, D. F.*, & Whittington, M. S. (2000). Assessing academic challenges for their contribution to cognitive development. Journal of Agricultural Education, 41(3), 114-122.
- Lopez, J. *, & Whittington, M. S. (2000). Cognitive level of professors' classroom discourse compared to cognitive levels reached by students during class. Journal of Agricultural Education, 41(4), 33-39.
- Whittington, M. S., & Turgeon, A. J. (2000). Web-based instruction: Students' perceptions of marketing and delivery. Journal of Asynchronous Learning.
- Lopez, J. *, & Whittington, M. S. (2001). Higher-order thinking in a college course: A case study. North American Colleges and Teachers of Agriculture Journal, 45(4) 22-29. **E.B. Knight Outstanding Journal Article.**
- Knobloch, N. A. *, & Whittington, M. S. (2002). Novice teachers' perceptions of support, teacher preparation quality, and student teaching experience related to teacher efficacy. Journal of Vocational Education Research, 27(3), 331-341.
- Hess, J., & Whittington, M. S. (2003, selected to reprint). Developing an effective course syllabus. North American Colleges and Teachers of Agriculture Journal, 47(3):23-27.
- Knobloch, N. A. *, & Whittington, M. S. (2003). The influence of the initial ten weeks of the school year on novice teacher efficacy in agricultural education. North American Colleges and Teachers of Agriculture Journal, 47(4), 16-21.
- Knobloch, N. A. *, & Whittington, M. S. (2003). Differences in teacher efficacy related to career commitment of novice agriculture teachers. Journal of Career and Technical Education, 20(1), 87-98.
- Whittington, M. S. (2005). Using standards to reform teacher preparation in career and technical education: A successful reformation. Career and Technical Education Research, 30(2), 89-99.
- Whittington, M. S., McConnell, E. A., & Knobloch, N. A.* (2006). Teacher efficacy of novice teachers in agricultural education in Ohio at the end of the school year. Journal of Agricultural Education, 47(4), 26-38.
- Whittington, M. S., & Warner, K. J.* (2006). Large-scale dairies and their neighbors: A case study of the perceived risk in two counties. Journal of Extension, 44(1). Article #1FEA4.
- Whittington, M. S., & Cano, J. M. (2007). Advising the undergraduate student organization: This worked for us! North American Colleges and Teachers of Agriculture Journal, 51(4), 8-11.
- Ewing, J. C. *, & Whittington, M. S. (2007). Types and cognitive levels of questions asked by professors during college of agriculture class sessions. Journal of Agricultural Education, 48(3), 91-99. **Second place, Author of the Year Award.**
- Whittington, M. S. (2008, selected reprint from 1997). Classroom behaviors: What lessons can professors learn? North American Colleges and Teachers of Agriculture Journal, 52(1), 60-65.
- Chenevey, J. L. *, Ewing, J. C. *, & Whittington, M. S. (2008). Teacher burnout and job satisfaction in agricultural education teachers. Journal of Agricultural Education, 49(3), 12-22.

Hoerst, C. M.*, & Whittington, M. S. (2009). The current status of classroom inclusion activities of secondary agriculture teachers. Journal of Agricultural Education, 50(2), 38-51.

Ewing, J. C.*, & Whittington, M. S. (2009). Describing the cognitive level of professor discourse and student cognition in college of agriculture class sessions. Journal of Agricultural Education, 50(4), electronic. **Second place, Author of the Year Award.**

Foster, D. D.*, & Whittington, M. S. (2010). Developing an instrument to measure the utilization of the principles of teaching and learning during class sessions. Journal of Agricultural Education, 51(2), electronic.

Velez, J., Cano, J. M., Wolf, K., & Whittington, M. S. (2011). Cultivating change through peer teaching. Journal of Agricultural Education, 52(1), electronic.

Smith, A.*, Whittington, M. S., Bennett, M., & Kleinhenz, M. (2011). Student farms at United States colleges and universities: Insights gained from a survey of the managers. North American Colleges and Teachers of Agriculture Journal, 55(1), electronic.

Ewing, J. C.*, Whittington, M. S., & Foster, D. D.* (2011). Explaining student cognition in class sessions in the context of Piaget's Theory of Cognitive Development. North American Colleges and Teachers of Agriculture Journal, 55(1), 66-78 electronic. **E. B. Knight Outstanding Journal Article.**

Jagger, C. B.*, & Whittington, M. S. (2013). Modeling teaching techniques: Preservice nonformal educators' adoption of techniques that will influence employability of their future audiences. North American Colleges and Teachers of Agriculture Journal, 53(1), 71-77.

Filson, C. M.*, & Whittington, M. S. (2013). Engaging undergraduate students through academic advising. North American Colleges and Teachers of Agriculture Journal. xx

Hess, J., & Whittington, M. S. (2013, selected reprint from 2003). Developing an effective course syllabus. North American Colleges and Teachers of Agriculture Journal, 57(3):electronic.

Foster, D. D.*, & Whittington, M. S. (2017). Instructor's use of the Principles of Teaching and Learning during college class sessions. Journal of Agricultural Education.

Nolting, J.*, Midla, J., Whittington, M. S., Scheer, S. D., & Bowman, A. S. (2017). Educating youth swine exhibitors on influenza A virus transmission at agricultural fairs. Zoonoses and Public Health.

Jagger, C. B.*, & Whittington, M. S. (in 2nd review). Cooperative learning techniques: Describing the relationship between student use and cognitive level of competency related to critical thinking skills. Journal of Agricultural Education.

Filson, C. M., & Whittington, M. S. (in review). Academic advising as teaching: Using undergraduate students' perceptions of academic advising to revisit an important faculty expectation. Journal of Agricultural Education.

Whittington, M. S., Filson, C. M., Jagger, C. B., Ray, T., Giorgi, A. J., & Hoffman, S. (in review). Toward A Modern Philosophy of Immersion for Preservice Teachers. Journal of Agricultural Education.

Popovich, J., Loibl, C., Zirkle, C., & Whittington, M. S. (in review). Community college students' response to a financial literacy intervention: Investigating financial knowledge, attitudes, intention, and behaviors. Journal of College Student Development.

Popovich, J., Loibl, C., Zirkle, C., & Whittington, M. S. (in review). Community college students' response to a financial literacy intervention: Investigating financial knowledge, attitudes, intention, and behaviors. International Review of Economics Education.

Abdul Latir, S. S., & Whittington, M. S. (in review). Using inquiry-based instructional approaches. xxxSCOPUS Journals- details to follow.

PAPERS AND PRESENTATIONS IN PROCEEDINGS (*N=77*)

Refereed (blind peer reviewed)

Whittington, M. S. (1988). Enhancing the professionalism of nontraditional employees: A conference for women professionals in agriculture. Exchange of Ideas Session, Central States Region Research Conference, Chicago, IL. (Selected for presentation at the National Exchange of Ideas Session, St. Louis, MO.)

Whittington, M. S. & Newcomb, L. H. (1991). Relationship of attitude toward teaching at higher cognitive levels to aspired and assessed cognitive level of instruction. Proceedings of the 18th Annual National Agricultural Education Research Meeting, 18(1), 261-267. Los Angeles, CA.

Whittington, P. R., Whittington, M. S. & Riesenber, L. E. (1992). Assessment of the effectiveness of Idaho postsecondary vocational-technical education as perceived by 1987-88 program completers. Proceedings of the 19th Annual National Agricultural Education Research Meeting, 19(1), 329-336. St. Louis, MO.

Whittington, M. S. & Riesenber, L. E. (1993). Education and beyond experiences of postsecondary vocational-technical education program participants based upon selected characteristics. Proceedings of the 20th Annual National Agricultural Education Research Meeting, 20(1), 272-280. Nashville, TN.

Whittington, M. S. (1993). The development of self-esteem through postsecondary vocational-technical education. Proceedings of the 12th Annual Western Region Agricultural Education Research Meeting, 12(1), 187-198. Bozeman, MT.

Whittington, M. S. & Bowman, G. L. T. (1994). Assessment of cognitive level of instruction aspiration and attitude toward higher level instruction. Proceedings of the 21st Annual National Agricultural Education Research Meeting, 21(1), 27-32. Dallas, TX. **Outstanding Paper Presentation Award.**

Whittington, M. S. & Bowman, G. L. T. (1994). Cognitive level of instruction among fall semester college of agriculture faculty. Proceedings of the 13th Annual Western Region Agricultural Education Research Meeting, 13(1), 108-119. Honolulu, HI. **Third place presentation.**

Whittington, M. S. & Raven, M. R. (1994). Comparison of learning styles, teaching styles and personality types of pre-service student teachers at two western universities. Proceedings of the

13th Annual Western Region Agricultural Education Research Meeting, 13(1), 224-235.
Honolulu, HI. **Second place presentation.**

Whittington, M. S. (1995). Toward a model for increasing cognitive level of teaching in college classrooms: Phases I & II. Proceedings of the 22nd Annual National Agricultural Education Research Meeting, 22(1), 165-177. Denver, CO.

Whittington, M. S. & Bowman, G. L. T. (1995). Alumni women in agricultural education. Proceedings of the 14th Annual Western Region Agricultural Education Research Meeting, 14(1), 272-284. Phoenix, AZ.

Small, J. A. & Whittington, M. S. (1995). Toward a model for conducting a community college follow-up. Proceedings of the 14th Annual Western Region Agricultural Education Research Meeting, 14(1), 90-102. Phoenix, AZ.

Raven, M. R., Whittington, M. S. & Day, T. (1996). Learning styles of college of agriculture professors. Proceedings of the 23rd Annual National Agricultural Education Research Meeting, 23(1), 134-144. Cincinnati, OH.

Whittington, M. S. (1996). Classroom behaviors: Lessons professors can learn from 444 hours of research observation. Proceedings of the Annual Eastern Region Agricultural Education Research Meeting, 50(1), 50-57. Fredericksburg, VA.

Raven, M. R., Whittington, M. S. & Day, T. (1996). Learning styles of college of agriculture professors. Proceedings of the Annual Eastern Region Agricultural Education Research Meeting, 50(1), 25-33. Fredericksburg, VA. **Second place presentation.**

Raven, M. R., Whittington, M. S. & Day, T. (1996). Learning styles of the professors attending the national association for colleges and teachers of agriculture. Proceedings of the Annual Southern Region Agricultural Education Research Meeting, 46(1), 168-181.

Whittington, M. S., Bowman, G. L. T. & Tirima, H. (1997). Changing the opportunities provided for cognitive processing in colleges of agriculture. Proceedings of the 24th Annual National Agricultural Education Research Meeting, 24(1), 139-148. Las Vegas, NV.

Whittington, M. S. & McCormick, D. (1997). Assessment of academic challenges provided by professors in college of agriculture classrooms. Proceedings of the Annual Eastern Region Agricultural Education Research Meeting, 51(1), 23-29. Lewisburg, PA. **(One of only three accepted for presentation).**

McCormick, D. F. & Whittington, M. S. (1998). Academic challenges provided by professors in college of agriculture classrooms. Proceedings of the Annual Eastern Region Agricultural Education Research Meeting, 52(1), 41-48. Norwich, CT.

Whittington, M. S. & McCormick, D. F. (1998). Cognitive level of academic challenges provided to college students. Proceedings of the 25th Annual National Agricultural Education Research Meeting, 25(1), 494-503. New Orleans, LA.

Lopez, J. & Whittington, M.S. (1999). Using think-aloud protocols to assess cognitive levels of students in college classrooms. Proceedings of the Annual Eastern Region Agricultural Education Research Meeting, 53(1) 26-33. Springfield, MS.

Michel, B., Test, J., Whittington, M. S., & Lopez, J. (1998). The relationship between professors' discourse and student thought during class. Proceedings of the Pennsylvania Governor's School for Agricultural Sciences.

Warman, S., Whittington, M. S., & Lopez, J. (1999). What have we learned about how we think? Proceedings of the Pennsylvania Governor's School for Agricultural Sciences.

Whittington, M. S., Lopez, J., Schley, E. & Fisher, K. (2000). Using think-aloud protocols to compare cognitive levels of students and professors in college classrooms. Proceedings of the 27th Annual National Agricultural Education Research Conference, 27(1), 613-624. San Diego, CA.

Warman, S., Sukar, R., Whittington, M. S. & Lopez, J. (2000). What have we learned about how we think? Proceedings of the Individual Science Projects for the Pennsylvania Governor's School.

Knobloch, N. A., & Whittington, M. S., (2002). Factors that influenced beginning teachers' confidence about teaching in agricultural education. Proceedings of the Annual Central Region Agricultural Education Research Conference. St. Louis, MO.

Knobloch, N. A. & Whittington, M. S. (2002). Teacher efficacy explained by beginning teachers' perceptions of support, teacher preparation quality, and student teaching experience. Proceedings of the American Vocational Education Research Association Conference. Las Vegas, NV.

Knobloch, N. A., & Whittington, M. S. (2002). Anticipated career longevity, leadership involvement, and teacher efficacy of novice teachers in agriculture. Proceedings of the National Omicron Tau Theta Research Conference, Las Vegas, NV.

Connors, J. J., Cano, J. M., Knobloch, N. A., & Whittington, M. S. (2002). Praxis assessments for beginning agricultural teachers. Proceedings of the Annual Central Region Agricultural Education Research Meeting. St. Louis, MO. **Second place presentation**.

Cano, J. M., Connors, J. J., Whittington, M. S., & Knobloch, N. A, (2002). Retooling preservice agricultural education. Proceedings of the Annual Central Region Agricultural Education Research Conference, St. Louis, MO. Outstanding paper presentation. (Forwarded for national competition).

Cano, J. M., Connors, J. J., Knobloch, N. A. & Whittington, M. S. (2002). Retooling preservice agricultural education. Proceedings of the American Vocational Education Research Association Conference. Las Vegas, NV.

Knobloch, N. A., Cano, J. M., Connors, J. J., & Whittington, M. S. (2002). Framing a new model for preparing teachers of agriculture: A case study of teacher education reform. Proceedings of the Annual Central Region Agricultural Education Research Conference. St. Louis, MO.

Knobloch, N. A., & Whittington, M. S. (2002). Factors that influenced beginning teachers' confidence about teaching in agricultural education. Proceedings of the Annual Central Region Agricultural Education Research Conference. St. Louis, MO.

Whittington, M. S. (2003). Teaching that reaches higher cognitive levels. Proceedings of the Association for Career and Technical Education Conference. Orlando, FL.

Cano, J. M., Connors, J. J., Whittington, M. S., & Knobloch, N. A. (2003). Aligning CTTE programs with standards: A success story. Proceedings of the American Vocational Education Research Association Conference. Orlando, FL.

Whittington, M. S., McConnell, E., and Knobloch, N. A. (2003). Teacher efficacy of novice teachers in agricultural education at the end of the school year. Proceedings of the 30th Annual National Agricultural Education Research Conference, Orlando, FL.

Connors, J. J., Cano, J. M., and Whittington, M. S. (2003). Analysis of the performance of agriculture education graduates at The Ohio State University on the Praxis II principles of teaching and learning exam. Proceedings of the American Vocational Education Research Association Conference. Orlando, FL.

Cano, J. M., Connors, J. J., Whittington, M. S., & Knobloch, N. A. (2003). Aligning CTTE programs with standards: A success story. Proceedings of the Association for Career and Technical Education Conference. Orlando, FL.

Cano, J. M., Connors, J. J., Whittington, M. S., & Knobloch, N. A. (2003). Synchronizing curriculum with standards: A case of authenticity. Proceedings of the Association for Career and Technical Education Conference. Orlando, FL.

Whittington, M. S., Connors, J. J., & Cano, J. M. (2003). Utilizing standards and assessment frameworks for undergraduate curriculum development in CTTE. Proceedings of the Association for Career and Technical Education Conference. Orlando, FL.

Connors, J. J., Cano, J. M., & Whittington, M. S. (2003). Praxis II & III assessments for career and technical education teachers. Proceedings of the Association for Career and Technical Education Conference. Orlando, FL.

Maraty, P., & Whittington, M. S. (2003). Toward a model for teaching at higher cognitive levels: A synthesis of research. Proceedings of the American Vocational Education Research Association Conference. Orlando, FL.

Whittington, M. S., McConnell, E. A., & Knobloch, N. A. (2003). Teacher efficacy of novice teachers in agricultural education at the end of the school year. Proceedings of the Annual North Central Region Agricultural Education Research Conference. St. Louis, MO.

Cano, J. M., Connors, J. J., Whittington, M. S., & Knobloch, N. A. (2003). Designing CTTE programs that work: A case study. Presented to the National Career and Technical Teacher Education Institute. Phoenix, AZ.

Turgeon, A., & Whittington, M. S. (2004). Web-based Instruction: Students' perceptions of marketing and delivery of a turf grass course. Proceedings of the ICDE Conference. Hong Kong.

Whittington, M. S., & Ewing, J. C. (2004). What are students thinking during college lectures? Proceedings of the Mid-Western Educational Research Association. Columbus, OH.

Chenevey, J. L., & Whittington, M. S. (2005). Personal coping resources to prevent stress and burnout among teachers. Proceedings of the Mid-Western Educational Research Association, Columbus, OH.

Ewing, J. C., and Whittington, M. S. (2005). Teaching techniques used and questions asked by professors during college of agriculture class sessions. Proceedings of the Association for Career and Technical Education Research Conference. Kansas City, MO.

Ewing, J. C., & Whittington, M. S. (2005). Collecting data for a school or community survey: Do schools collect good data? A case study. Proceedings of the Mid-Western Educational Research Association, Columbus, OH.

Ewing, J. C., Carnes, A., & Whittington, M. S. (2006). Type, number, and cognitive level of academic challenges provided by professors. Proceedings of the 33rd Annual National Agricultural Education Research Conference. Charlotte, NC.

Ewing, J. C., & Whittington, M. S. (2006). What types of questions and what cognitive levels of questions are professors asking? Proceedings of the Mid-Western Educational Research Association, Columbus, OH.

Whittington, M. S., & Erdy, L. (2006). Content standards reflected in hands-on practice: Do educators and business managers agree? Proceedings of the Mid-Western Educational Research Association, Columbus, OH.

Ewing, J. C., & Whittington, M. S. (2007). Teaching techniques used by professors in a college of agriculture and their relationship to cognitive levels of discourse. Proceedings of the 34th Annual National Agricultural Education Research Conference. Minneapolis, MN.

Ewing, J. C., and Whittington, M. S. (2007). Explaining student cognition in the context of Piaget's Theory of Cognitive Development. Proceedings of the Association for Career and Technical Education Research Conference. Las Vegas, NV. **Outstanding Paper Presentation Award**.

Foster, D. D., & Whittington, M. S. (2008). Developing an instrument to measure the utilization of the principles of teaching and learning during class sessions. Proceedings of the Mid-Western Educational Research Association, Columbus, OH.

Wolf, K., Simonsen, J., Velez, J., Cano, J. M., & Whittington, M. S. (2008). In concert or conflict: Instructor-centered learning, peer-assisted instruction, motivation, and cognitive processing. Proceedings of the 35th Annual National Agricultural Education Research Conference. Reno, NV.

Velez, J., Cano, J. M., Whittington, M. S., & Wolf, K. (2009). Peer teaching: Cultivating change in both the students and the classroom. Proceedings of the 36th Annual National Agricultural Education Research Conference. Louisville, KY. **Outstanding Paper Presentation Award**.

Foster, D. D., Whittington, M. S., & Bookman, J.A. (2009). Piaget's stages of cognitive development: Have college students reached formal operations? Proceedings of the Annual North Central Region Agricultural Education Research Conference. Lincoln, NE. **Outstanding Paper Presentation Award** (one awarded) and **Meritorious Manuscript Award** (three awarded).

Smith, A., Whittington, M. S., Bennett, M., & Kleinhenz, M. (2010). Student farms at United States colleges and universities: Insights gained from a survey of their managers. Proceedings of the 37th Annual National Agricultural Education Research Conference. Omaha, NE.

Jagger, C. B. & Whittington, M. S. (2010). Describing the relationship between cognitive competency and student use of engagement opportunities. Proceedings of the Annual North Central Region Agricultural Education Research Conference. Manhattan, KS.

Ulrich, R. A. & Whittington, M. S. (2011). Agricultural science teachers' self-assessment of programs and the relationship to implementing quality program standards. Proceedings of the 38th Annual National Agricultural Education Research Conference. Coeur d'Alene, ID.

Falk, J. M., Filson, C. M., & Whittington, M. S. (2011). Cognitive level of discourse, attitude and aspiration of the teacher, and student short-term cognitive retention during a secondary animal science unit of instruction. Proceedings of the 38th Annual National Agricultural Education Research Conference. Coeur d'Alene, ID.

Whittington, M. S. (2011). Discussant remarks for the research paper, Incorporating learning objects in a curriculum re-design to meet needs of SLD students in Illinois agricultural education programs. Proceedings of the Annual North Central Region Agricultural Education Research Conference. State College, PA. (1-page document).

Whittington, M. S. (2011). Discussant remarks for the research paper, A case study of the youth-adult relationship of an urban veterinarian program. Proceedings of the Annual North Central Region Agricultural Education Research Conference. State College, PA. (1-page document).

Whittington, M. S. (2011). Discussant remarks for the research paper, Defining success through adversity: A case study of managing a school-based agriculture program in a high poverty rural community. Proceedings of the Annual North Central Region Agricultural Education Research Conference. State College, PA. (1-page document).

Whittington, M. S. (2011). Discussant remarks for the research paper, Agricultural issues on the ballot: The 2009 Ohio Issue 2 Campaign. Proceedings of the Annual North Central Region Agricultural Education Research Conference. State College, PA. (1-page document).

Filson, C. M., & Whittington, M. S. (2012). Educating learners with special needs: Perceptions of teachers in agriculture classrooms. Poster proceedings of the Annual Hayes Graduate Student Research Forum. Columbus, OH.

Whittington, M. S., & Filson, C. M. (2012). Learning communities: Establishing a cohort of reflective practice. Proceedings of the Lilly Conference for College and University Teaching. Traverse City, MI.

Whittington, M. S. (2013). Discussant remarks for the research paper, Assessing student's creative thinking ability in school-based agricultural education courses. Proceedings of the 40th Annual National Agricultural Education Research Conference. Columbus, OH (1-page document).

Whittington, M. S. (2013). Discussant remarks for the research paper, Critical thinking dispositions of high school agriculture teachers in Tennessee. Proceedings of the 40th Annual National Agricultural Education Research Conference. Columbus, OH (1-page document).

Whittington, M. S. (2013). Discussant remarks for the research paper, Getting it to click: students self-perceived critical thinking style and perceptions of critical thinking instruction in face-to-face and online course delivery. Proceedings of the 40th Annual National Agricultural Education Research Conference. Columbus, OH (1-page document).

Whittington, M. S. (2013). Discussant remarks for the research paper, Assessing the effects of reflection type and cognitive style on students' content knowledge. Proceedings of the 40th Annual National Agricultural Education Research Conference. Columbus, OH (1-page document).

Whittington, M. S., & Miller, A. (2015). Inclusion education of preservice teachers. Proceedings of the Council for Advancement and Support of Education Conference. Chicago, IL.

Whittington, M. S. (2016). Discussant remarks for the research paper, The effect of pedagogy on students' long-term retention of knowledge. Proceedings of the Annual National Agricultural Education Research Conference. Kansas City, MO. (1-page document).

Whittington, M. S. (2016). Discussant remarks for the research paper, What's the problem? Investigating factors that influence the hypothesis generation ability of school-based agricultural education students when troubleshooting. Proceedings of the Annual National Agricultural Education Research Conference. Kansas City, MO. (1-page document).

Whittington, M. S. (2016). Discussant remarks for the research paper, Relationships among professional training factors, personal literacy preferences, professional literacy attitudes and current classroom practices of agriculture teachers. Proceedings of the Annual National Agricultural Education Research Conference. Kansas City, MO. (1-page document).

Whittington, M. S. (2016). Discussant remarks for the research paper, Comparing students' writing apprehension scores in a writing-intensive course: A pre-test post-test design. Proceedings of the Annual National Agricultural Education Research Conference. Kansas City, MO. (1-page document).

Non-refereed

Batts, A. N., Falk, J. M., & Whittington, M. S. (2009). Describing the cognitive level of discourse of a secondary teacher during an animal science unit of instruction. Proceedings of the Summer Research Opportunities Program, The Ohio State University, Columbus, OH.

REFEREED POSTERS IN PROCEEDINGS (*N=42*)

Whittington, M. S. (1993). Preservice secondary agricultural science and technology for the pacific northwest. Poster Proceedings of the 20th Annual National Agricultural Education Research Meeting, 4(1), 12-13. Nashville, TN.

Whittington, M. S. (1993). Preservice secondary agricultural science and technology for the Pacific Northwest. First Poster Proceedings of the 12th Annual Western Regional Agricultural Education Conference, 1(1), 7-8. Bozeman, MT. **Second place poster** (forwarded for national competition).

Whittington, M. S. (1994). Preservice and alumni women in agricultural education. Poster Proceedings of the 21st Annual National Agricultural Education Research Meeting, 5(1), 27-29. Dallas, TX.

Whittington, M. S. (1994). Preservice and alumni women in agricultural education. Poster Proceedings of the 13th Annual Western Regional Agricultural Education Conference, 2 (1), 2-3. Honolulu, HI.

Whittington, M. S. (1997). Learn today...lead tomorrow. Poster Proceedings of the Annual Eastern Region Agricultural Education Research Meeting, Lewisburg, PA.

Schley, E. & Whittington, M. S. (1998). Do students think at higher cognitive levels: How scholars respond to thinking opportunities. Poster Proceedings of the 25th Annual National Agricultural Education Research Meeting, 9(1), 575-576. New Orleans, LA.

Warman, S., Sukar, R., Whittington, M. S. & Lopez, J. (2000). What have we learned about how we think. Poster proceedings of the Annual Eastern Region Agricultural Education Research Meeting. Portsmouth, NH.

Connors, J. J., Knobloch, N. A., Cano, J. M., & Whittington, M. S. (2002). Praxis assessments for beginning agricultural educators. Poster Proceedings of the Annual North Central Region Agricultural Education Research Conference. St. Louis, MO. **Second place poster**.

Cano, J. M., Connors, J. J., Knobloch, N. A., & Whittington, M. S. (2002). Retooling preservice agricultural education. Poster Proceedings of the Annual North Central Region Agricultural Education Research Conference. St. Louis, MO. **Outstanding poster**.

Cano, J. M., Connors, J. J., Knobloch, N. A., & Whittington, M. S. (2002). Retooling preservice agricultural education. Poster Proceedings of the National Career and Technical Teacher Education Institute. Scottsdale, AZ.

Whittington, M. S., Rudd, R., Akers, C., Dodson, B., & Elliot, J. (2003). FFA Life Knowledge, real lessons for real life initiative. Poster Proceedings of the Annual North Central, Western, and Southern Region Agricultural Education Research Conferences. (Order of authors changed by region of presentation).

Falk, J. M., & Whittington, M. S. (2003). We took the lead, so they could lead. Poster Proceedings of the Inaugural North Central Region Agricultural Education Research Conference. Columbus, OH. **Outstanding poster**.

Whittington, M. S., & Rudd, R. (2003). Learning leadership skills for a lifetime: Leadership curriculum for every student. Poster presented at the North American Colleges and Teachers of Agriculture Conference. Gainesville, FL.

Whittington, M. S., Rudd, R., Akers, C., Dodson, B., & Elliot, J. (2003). Learning leadership skills for a lifetime: Leadership curriculum for every student. Poster Proceedings of the 30th Annual National Agricultural Education Research Conference. Orlando, FL.

Falk, J. M., & Whittington, M. S. (2003). We took the lead, so they could lead. Poster Proceedings of the 30th Annual National Agricultural Education Research Conference. Orlando, FL.

Ewing, J. C., Swan, B. G., & Whittington, M. S. (2004). Preparing professors to teach in the laboratory setting. Poster presented to the North American Colleges and Teachers of Agriculture Conference. Gainesville, FL.

Ewing, J. C., Swan, B. G., & Whittington, M. S. (2004). Preparing secondary agricultural educators to be effective teachers in the laboratory setting. Poster Proceedings of the 31st Annual National Agricultural Education Research Conference. St. Louis, MO. **Outstanding poster**.

Elliot, J., Rudd, R., & Whittington, M. S. (2004). Learning leadership skills for a lifetime: Leadership curriculum for every student. Poster Proceedings of the AIAEE Conference, Dublin, Ireland.

Ewing, J. C., & Whittington, M. S. (2006). Teaching techniques used in college of agriculture classrooms. Poster Proceedings of the 33rd Annual National Agricultural Education Research Conference. Charlotte, NC.

Luthman, S., Ewing, J., & Whittington, M. S. (2007). The impact of the Versailles FFA Chapter's "Farm Day" on elementary students' understanding of agriculture. Poster Proceedings of the Annual North Central Region Agricultural Education Research Conference. Columbia, MO.

Wolf, K., Velez, J., Cano, J. M., & Whittington, M. S., (2007). In concert or conflict: Instructor-centered learning, peer-assisted instruction, motivation, and cognitive processing. Poster Proceedings of the Annual North Central Region Agricultural Education Research Conference. Columbia, MO. **Outstanding poster.**

Whittington, M. S., Foster, D. D., Falk, J. M., Beck, W. M., & Bookman, J. A. (2008). Creating a conceptual framework for studying cognitive levels of teaching and learning. Poster Proceedings of the Annual National Agricultural Education Research Conference. Reno, NV. **Third place poster.**

Falk, J. M., Beck, W. M., & Whittington, M. S., (2008). The real deal. Poster Proceedings of the Annual National Agricultural Education Research Conference. Reno, NV.

Wolf, K., Velez, J., Cano, J. M., & Whittington, M. S. (2008). In concert or conflict: Instructor-centered learning, peer-assisted instruction, motivation, and cognitive processing. Poster Proceedings of the Annual National Agricultural Education Research Conference. Reno, NV.

Leis, A., & Whittington, M. S. (2008). Student farms at U.S. colleges and universities: Insights gained from a survey of their managers. Poster Proceedings of the Annual North Central Region Agricultural Education Research Conference. Ithaca, NY.

Foster, D. D., Connors, J. J., Cano, J. M., & Whittington, M. S. (2008). An undergraduate peer teaching approach to portfolio development across the curriculum. Poster Proceedings of the Annual North Central Region Agricultural Education Research Conference. Ithaca, NY. **Second place poster.**

Foster, D. D., Connors, J. J., Cano, J. M., & Whittington, M. S. (2009). An undergraduate peer teaching approach to portfolio development across the curriculum. Poster Proceedings of the Annual National Agricultural Education Research Conference. Louisville, KY.

Falk, J. M., Beck, W. M., & Whittington, M. S. (2009). The real deal: Formal preparation for outreach education. Poster Proceedings of the Annual Ohio Extension Educator's Conference. Columbus, OH.

Falk, J. M., Batts, A, N., & Whittington, M. S. (2010). Describing the cognitive level of discourse of a secondary teacher during an animal science unit of instruction. Poster Proceedings of the Annual National Agricultural Education Research Conference. Omaha, NE.

Homan, D., Whittington, M. S., Hall, D. (2011). Ideation workshop: Innovative collaboration for agricultural education. Poster Proceedings of the Annual National Agricultural Education Research Conference. Coeur d' Alene, ID. **Third place poster.**

Steinmetz, N., McMullen, S., Schmitz, S., & Whittington, M. S. (2011). Toward cultural proficiency; A course for preservice educators, communicators, and leaders. Poster Proceedings of the Annual National Agricultural Education Research Conference. Coeur d' Alene, ID.

Filson, C. M., & Whittington, M. S. (2011). Educating learners with special needs: Perceptions of teachers in agriculture classrooms. Poster Proceedings of the Annual North Central Region Agricultural Education Research Conference. University Park, PA. **First place poster (student category); Second place poster (overall)**.

Filson, C. M., & Whittington, M. S. (2012). Learning communities: Establishing a cohort of reflective practice. Poster Proceedings of the Annual National American Association for Agricultural Education Research Conference. Asheville, NC.

Filson, C. M., & Whittington, M. S. (2014). Roadblocks to academic progress: Reported obstacles to undergraduate success. Poster Proceedings of the Annual Ohio Agricultural Research and Development Center Research Conference. Wooster, OH.

Foor, R. M., Arulanantham, A., Biddle, A., Homan, D., Schroeder, J., & Whittington, M. S. (2014). Developing cultural competence through a peer-teaching approach. Poster Proceedings of the Annual National Agricultural Education Research Conference. Snowbird, UT.

Jagger, C. B., & Whittington, M. S. (2014). Towards cultural proficiency: The value of service learning to students' advancement along the cultural proficiency continuum. Poster Proceedings of the Annual North Central Region Agricultural Education Research Conference. Morgantown, WV.

Jagger, C. B., & Whittington, M. S. (2014). Change in Students' Diversity Awareness Profile: What evidence can journaling and reflections provide? Poster Proceedings of the Annual North Central Region Agricultural Education Research Conference. Morgantown, WV. **Second place poster**.

Jagger, C. B., & Whittington, M. S. (2015). Students' movement along Cross' Cultural Proficiency Continuum: Evidence provided through a focus group. Poster Proceedings of the Annual North Central Region Agricultural Education Research Conference. St. Paul, MN.

Jagger, C. B., & Whittington, M. S. (2016). A journaling assignment: Effect on students' Diversity Awareness Profile. Poster Proceedings of the 10th Conference on Excellence in Teaching and Learning. Columbus, OH.

Jagger, C. B., & Whittington, M. S. (2017). Using Cultural Proficiency Education to Impact Students' 21st Century Skills Through Service Learning. Poster proceedings of the Annual National Agricultural Education Research Conference. San Luis Obispo, CA.

Jagger, C. B., & Whittington, M. S. (2017). Preservice agriscience teacher perceptions of their preparation to teach diverse underrepresented populations. Poster proceedings of the Annual National Agricultural Education Research Conference. San Luis Obispo, CA.

Whittington, M. S., Scheer, S., Buck, E., & Birkenholz, R. (2017). Innovative teaching strategies for the undergraduate introductory course in an agricultural science, communication, and leadership department. Poster proceedings of the Annual National Agricultural Education Research Conference. San Luis Obispo, CA.

Abdul-Latir Hoffman, S., & Whittington, M. S. (2019). Teacher perceptions towards inquiry-based approaches. Poster proceedings of the Annual CFAES Research Conference. Columbus, OH.

Faraj, S., Giorgi, A. J., Black, C. A., Pfister, J. A., Scheer, S., & Whittington, M. S. (2019). Educational organization structure supports curriculum change. Poster proceedings of the Annual National Agricultural Education Research Conference. Des Moines, IA.

Abdul Latir, S. S., & Whittington, M. S. (2019). Inquiry-based instructional approaches: the evidence of use. Putra InnoCreative Competition, Putra InnoCreative Carnival in Teaching and Learning 2019. Universiti Putra Malaysia, Selangore, Malaysia. **Second place poster.**

INVITED FACULTY DEVELOPMENT SEMINARS AT UNIVERSITIES (*N*=36)

United States

Raven, M., & Whittington, M. S. (1993). Enhancing teaching through knowledge of learning styles. Presented at the faculty development seminar of Weber State University. Ogden, UT. 2-hour presentation with handouts).

Whittington, M. S. (1996). Classroom behaviors: Lessons professors can learn from 250 hours of classroom observation. Presented to faculty in the Department of Food Science, The Pennsylvania State University. (60-minute Power-point presentation with handouts, 28 in attendance).

Whittington, M. S. (1998). Peer evaluation: The cognitive dimension. Presented to faculty in the Department of Plant Pathology, The Pennsylvania State University. (1-hour PowerPoint presentation with handouts. 13 in attendance).

Whittington, M. S. (1998). Cognitive challenges for today's students. Presented to faculty in the College of Agriculture, University of Arizona. (3-hour workshop with PowerPoint presentation and handouts. 55 in attendance).

Whittington, M. S. (1999). Cognitive challenges for today's students. Presented to faculty in the College of Agriculture, University of Illinois. (3-hour workshop with PowerPoint presentation and handouts. 51 in attendance).

Whittington, M. S. (1999). Teaching tips: As we begin a new semester. Presented to faculty in the College of Agriculture, University of Illinois. (20-minute luncheon lecture). 44 in attendance.

Whittington, M. S., (2005). What are students thinking during a typical college lecture? Presented to the Teaching Improvement Symposium at North Carolina State University via distance.

Whittington, M. S. (2007). Cognitive levels of teaching and learning: An introduction/review. Workshop presented to the faculty at Baker College, Kettering University, Mott Community College, and The University of Michigan-Flint. Flint, MI. (90 minute workshop with PowerPoint, handouts, group activities, discussion. 82 in attendance).

Whittington, M. S. (2007). What have we learned about teaching at higher cognitive levels? P.S. And what can we do about it? Workshop presented to the faculty at Baker College, Kettering

University, Mott Community College, and The University of Michigan-Flint. Flint, MI. (90 minute workshop with PowerPoint, handouts, group activities, discussion. 82 in attendance).

Whittington, M. S. (2007). Engaging learners at higher cognitive levels: Start with the basics. Workshop presented to the faculty at Baker College, Kettering University, Mott Community College, and The University of Michigan-Flint. Flint, MI. (90 minute workshop with PowerPoint, handouts, group activities, discussion. 82 in attendance).

Whittington, M. S. (2007). Higher cognitive levels of instruction: A model and applications. Workshop presented to the faculty at Baker College, Kettering University, Mott Community College, and The University of Michigan-Flint. Flint, MI. (90 minute workshop with PowerPoint, handouts, group activities, discussion. 82 in attendance).

Whittington, M. S. (2008). Classrooms: your database for publishing the scholarship of teaching and learning. Presented to the John Burns Conference on the Scholarship of Teaching and Learning, Texas Tech University, Lubbock, TX. (90 minute interactive keynote address and workshop with PowerPoint and handouts. 100 in attendance).

Whittington, M. S. (2008). Teaching with *flair*' \ (fla(a)/(e)r, n. [fr. *flairier* 1: natural ability or capacity]. Presented to the John Burns Conference on the Scholarship of Teaching and Learning, Texas Tech University, Lubbock, TX. (90 minute interactive workshop with PowerPoint and handouts. 75 in attendance).

Whittington, M. S. (2009). Cognitive levels of teaching and learning: An introduction/review. Presented to the faculty, University of Kentucky, Lexington, KY. (90 minute interactive workshop with PowerPoint and handouts. 30 in attendance).

Whittington, M. S. (2009). Engaging learners at higher cognitive levels during class sessions. Presented to the faculty, University of Kentucky, Lexington, KY. (90 minute interactive workshop with PowerPoint and handouts. 30 in attendance).

Whittington, M. S. (2009). Teaching with *flair*' \ (fla(a)/(e)r, n. [fr. *flairier* 1: natural ability or capacity]. Presented to the 10th Annual College of Agricultural and Life Sciences Teaching Enhancement Symposium, University of Florida, Gainesville, FL. (30 minute interactive workshop with PowerPoint and handouts. 250 in attendance).

Whittington, M. S. (2009). Engaging learners at higher cognitive levels. Presented to the 10th Annual College of Agricultural and Life Sciences Teaching Enhancement Symposium, University of Florida, Gainesville, FL. (75 minute interactive workshop with PowerPoint and handouts. 75 in attendance).

Whittington, M. S. (2009). Engaging learning at higher cognitive levels: Classroom applications of our research in agricultural education. Presented to the Department of Agricultural Education, University of Illinois, Urbana-Champaign, IL. (1-hour interactive workshop with PowerPoint and handouts. 20 in attendance).

Whittington, M. S. (2011). Valuing art and science in the teaching/learning environment. Presented to faculty, staff, and students at the Science Seminar Lecture Series; sponsored by the Computer Science and Engineering Department, Taylor University, Upland, IN. (1-hour interactive workshop with PowerPoint and handouts. 35 in attendance).

International

Whittington, M. S., Birkenholz, R. J., & Whittington, P. R. (2005). Punjab Agricultural University faculty development workshop. Presented to the faculty at Punjab Agricultural University, Ludhiana, India. (1-hour presentation with PowerPoint and handouts. 150 in attendance).

Whittington, M. S. (2005). Punjab Agricultural University faculty development: Developing a student-centered course syllabus. Workshop presented to the faculty at Punjab Agricultural University, Ludhiana, India. (1-hour presentation with PowerPoint and handouts. 30 in attendance).

Whittington, M. S. (2008). Engaging learners: The journey from teaching effectiveness to student-centeredness. Presented to the faculty at Punjab Agricultural University, Ludhiana, India. (1-hour presentation with PowerPoint and handouts. 110 in attendance).

Whittington, M. S. (2008). Student-centered learning: Connecting related research to improving teaching. Workshop presented to the faculty and Ph.D students at Punjab Agricultural University, Ludhiana, India. (1-hour presentation with PowerPoint and handouts. 110 in attendance, faculty workshop; 45 in attendance, Ph.D. workshop).

Whittington, M. S. (2008). Student-centered learning: How can learning be improved?. Workshop presented to the undergraduate students at Punjab Agricultural University, Ludhiana (90 in attendance), India (1-hour presentation with PowerPoint and handouts).

Whittington, M. S., & Birkenholz, R. J. (2008). Effective teaching: Revisiting what we know about learning. Presented to the faculty at Chandra Shekar Azad University of Agriculture and Technology, Kanpur, India (150 in attendance); Orissa University of Agriculture and Technology, Bhubaneswar, India (60 in attendance), 90-minute Powerpoint presentation with discussion.

Whittington, M. S. (2008). Building capacity in higher education. Presented to the faculty at Orissa University of Agriculture and Technology, Bhubaneswar, (60 in attendance); and to the Ph.D. students at Chandra Shekar Azad University of Agriculture and Technology, Kanpur, India (90 in attendance); 90-minute Powerpoint presentation with discussion.

Whittington, M. S. (2008). Visioning for the future: Reinventing and transforming Orissa. Presented to the faculty at Orissa University of Agriculture and Technology, Bhubaneswar, India (90-minute Powerpoint presentation with discussion groups, 60 in attendance).

Whittington, M. S. (2008). Building capacity in higher education: Research on teaching. Presented to the faculty at Chandra Shekar Azad University of Agriculture and Technology, Kanpur, India (150 in attendance); 90-minute Powerpoint presentation with discussion.

Whittington, M. S. (2008). Student-centered learning: Connecting related research to improving teaching. Workshop presented to the faculty Chandra Shekar Azad University of Agriculture and Technology, Kanpur, India (150 in attendance); 90-minute Powerpoint presentation with discussion.

Whittington, M. S. (2011). Engaging learners at higher cognitive levels. Presented to the faculty at Yuanpei University, Hsinchu, Taiwan. (3-hour presentation with PowerPoint and handouts. 20 in attendance).

Whittington, M. S. (2011). Effective teaching: Revisiting what we know about learning. Presented to the faculty at Yuanpei University, Hsinchu, Taiwan. (3-hour presentation with PowerPoint and handouts. 20 in attendance).

Whittington, M. S. (2011). Developing a student-centered syllabus. Presented to the faculty at Yuanpei University, Hsinchu, Taiwan. (3-hour presentation with PowerPoint and handouts. 20 in attendance).

Whittington, M. S. (2011). Developing a daily plan for teaching. Presented to the faculty at Yuanpei University, Hsinchu, Taiwan. (3-hour presentation with discussion, activity, and handouts. 20 in attendance).

Whittington, M. S. (2011). Using variability in assessing learners. Presented to the faculty at Yuanpei University, Hsinchu, Taiwan. (3-hour presentation with discussion, activity, and handouts. 20 in attendance).

Whittington, M. S. (2014). Effective teaching: Revisiting research and theory on learning. Presented to the faculty at Egerton University, Nakuru, Kenya. (2-hour presentation with discussion, activity, and handouts. 50 in attendance).

Whittington, M. S. (2014). Building capacity by listening to students: A qualitative approach. Presented to the faculty at Egerton University, Nakuru, Kenya. (2-hour presentation with discussion, activity, and handouts. 50 in attendance).

GRADUATE RESEARCH ADVISED (THOSE LISTED ARE SINCE 2000; LIFETIME, MASTERS ADVISED=35)

Dissertations

Knobloch, N. A. (2002). Exploration of effects caused by the first ten weeks of the school year on teacher efficacy of student and beginning teachers in Ohio agricultural education. Unpublished Doctoral Dissertation. The Ohio State University, Columbus, OH.

Ewing, J. C. (2006). Teaching techniques, and cognitive level of discourse, questions, and course objectives, and their relationship to student cognition in College of Agriculture class sessions. Unpublished Doctoral Dissertation. The Ohio State University, Columbus, OH.

Foster, D. D. (2009). Instructor variables, student variables, and class session environment variables: Describing their relationship to student cognition during class sessions. Unpublished Doctoral Dissertation. The Ohio State University, Columbus, OH.

Falk, J. M. (2011). The relationship between teacher behaviors and content retention in secondary agricultural education. Unpublished Doctoral Dissertation. The Ohio State University, Columbus, OH.

Filson, C. M. (2012). Describing undergraduate students' perceptions of academic advising in a college of food, agricultural, and environmental sciences. Unpublished Doctoral Dissertation. The Ohio State University, Columbus, OH.

Jagger, C. B. (2016). Undergraduate students' cultural proficiency education in career and citizenship preparation. Unpublished Doctoral Dissertation. The Ohio State University, Columbus, OH.

Thompson, S. (inactive). Exemplary programs in career and technical education: A national status report of variables that explain exemplary status. Unpublished Doctoral Dissertation. The Ohio State University, Columbus, OH.

Faraj, S. (2017). Teachers' perceptions toward sustainable agriculture in an Ohio science high school. Unpublished Doctoral Dissertation. The Ohio State University, Columbus, OH. (With S. Scheer as co-advisor).

Abdul Latir, S. S. (2018). Teachers' perceptions and a researcher's observations toward implementing inquiry-based instructional approaches. Unpublished Doctoral Dissertation. The Ohio State University, Columbus, OH.

Giorgi, A. (2020 in progress). A national and university multi-decade description of college of agriculture and related sciences student behaviors regarding postsecondary education.

Ray, T. D. (inactive).

Theses

Warner, K. A. (2002). The role of trust in the siting of large-scale dairy farms: A Case study of the attributes of trust present in two communities. Unpublished Master's Thesis. The Ohio State University, Columbus, OH.

Jolliff, S. N. (2003). An assessment of perceived importance and competence regarding curriculum components of novice agriculture teachers in Ohio. Unpublished Master's Thesis. The Ohio State University, Columbus, OH. (co-advised with Cano, J. M.)

McConnell, E. A. (2003). Teacher efficacy of novice teachers in agricultural education in Ohio at the end of the school year. Unpublished Master's Thesis. The Ohio State University, Columbus, OH.

Erdy, L. A. (2004). Environmental and agricultural systems content standards reflected in the FFA agricultural sales career development event as perceived by agri-business professionals and agricultural educators. Unpublished Master's Thesis. The Ohio State University, Columbus, OH.

Chenevey, J. L. (2005). Teacher burnout and job satisfaction in agricultural education teachers in Ohio. Unpublished Master's Thesis. The Ohio State University, Columbus, OH.

Feller, M. K. (2005). The level of job satisfaction among secondary horticulture teachers and career center horticulture teachers in Ohio. Unpublished Master's Thesis. The Ohio State University, Columbus, OH. (co-advised with Cano, J. M.)

Carnes, A. (2005). Cognitive levels of academic challenges, course objectives, and classroom discourse for professors in the College of Food, Agricultural, and Environmental Sciences. Unpublished Master's Thesis. The Ohio State University, Columbus, OH.

Ewing, J. C. (2006). Teaching techniques used and types and cognitive levels of professor questioning during college of agriculture class sessions. Unpublished Master's Thesis. The Ohio State University, Columbus, OH.

Shipe, M. A. (2006). The current status of CARTEENS programs in Ohio: A Descriptive study. Unpublished Master's Thesis. The Ohio State University, Columbus, OH.

Hoerst, C. M. (2007). The current status of classroom inclusion activities of Ohio's secondary agriculture teachers in comprehensive programs: A descriptive study. Unpublished Master's Thesis. The Ohio State University, Columbus, OH.

Foster, D. D. (2008). Developing a valid and reliable instrument to measure the utilization of principles of teaching and learning in selected undergraduate courses in the College of Food, Agricultural and Environmental Sciences at The Ohio State University. Unpublished Master's Thesis. The Ohio State University, Columbus, OH.

Ulrich, R. A. (2008). Factors influencing or inhibiting implementation of quality program standards: A descriptive study. Unpublished Master's Thesis. The Ohio State University, Columbus, OH.

Leis, A. E. (2008). Student farms at United States colleges and universities: Insights gained from a survey of their managers. Unpublished Master's Thesis. The Ohio State University, Columbus, OH.

Risch, L. (2008). Leadership development of learning disabled students in a special education agricultural program at a career technology center: A descriptive study. Unpublished Master's Thesis. The Ohio State University, Columbus, OH.

Beck, W. M. (2009). Describing time spent using various teaching techniques and student immediate, short-term, and long-term cognitive retention. Unpublished Master's Thesis. The Ohio State University, Columbus, OH.

Falk, J. M. (2010). Describing cognitive level of teacher discourse, attitudes, and aspirations, and student content retention during a secondary animal science unit if instruction. Unpublished Master's Thesis. The Ohio State University, Columbus, OH.

Jagger, C. B. (2010). Describing the relationship between brain activity, higher cognitive teaching techniques, and student achievement. Unpublished Master's Thesis. The Ohio State University, Columbus, OH.

Ray, T. (2015). The history of graduate education in agricultural education in the United States of America. Unpublished Master's Thesis. The Ohio State University, Columbus, OH.

Thesis (Adjunct Faculty member)

Stacklin, L. R. (2009). Comparing candidate and clinical faculty cognitive effect, cognitive affect, and perceived behaviors during the initiation phase of mentoring. Unpublished Master's Thesis. Virginia Tech University, Blacksburg, VA.

Kirby, A. T. (2016). Against the odds: a study of low socioeconomic status students' achievement to higher education. Unpublished Master's Thesis. University of Kentucky, Lexington, KY.

Master of Science Online Projects

Hartschuh, A. (2014). Designing a curriculum for 4-H camp programs. Unpublished Master's Project. The Ohio State University, Columbus, OH.

Zachrich, A. (2016). Implementing STEP education for the Farm Science Review. Unpublished Master's Project. The Ohio State University, Columbus, OH.

Stonerock, T. (2017). An Agribusiness curriculum for advancing STEM in secondary schools. Unpublished Master's Project. The Ohio State University, Columbus, OH.

Angel, S. (2018). Describing an agriculture-based mission camp. Unpublished Master's Project. The Ohio State University, Columbus, OH.

Master of Education Projects

Deaner, K. M. (2011). Urban agricultural education programs in Ohio: A descriptive study of Growing America's Farm to Market summer program and youth perception of local food production. Unpublished Master's Project. The Ohio State University, Columbus, OH.

Krone, L. (2011). Describing the student perceptions of international programs. Unpublished Master's Project. The Ohio State University, Columbus, OH.

Black, C. (2018). Masters of Education and licensure in agricultural education. Unpublished Master's Project. The Ohio State University, Columbus, OH.

In-house study

Batts, A. N., Whittington, M. S., & Falk, J. M. (2009). Describing the cognitive level of discourse of a secondary teacher during an animal science unit of instruction. Summer Research Opportunities Program, Columbus, OH. Presented at the SROP student research forum.

UNDERGRADUATE RESEARCH ADVISED (SINCE 2000)

Honors Theses

McConnell, E. (2003) Teacher efficacy of novice teachers in agricultural education in Ohio at the end of the school year. Unpublished Combined Honors and Master's Thesis. The Ohio State University, Columbus, OH.

Moffett, S. (2004). Improving the cognitive capacity of students by fully engaging them in the thinking process. Unpublished Honors Thesis. The Ohio State University, Columbus, OH.

Luthman, S. (2007). The impact of the Versailles FFA Chapter's "Farm Day" on elementary students' understanding of agriculture. Unpublished Honors Thesis. The Ohio State University, Columbus, OH.

Niedermier, C. (2007). Ohio extension educator evaluation of Ohionline. Unpublished Honors Thesis. The Ohio State University, Columbus, OH.

Undergraduate Honors Research Presentations, Proceedings, and Posters (since 1998)

Whittington, M. S., Dougherty, H. & McEnany, K. (1998). A comparison of the cognitive assessments of teaching at three colleges of agriculture. Poster Proceedings of the Annual Eastern Region Agricultural Education Research Conference. Norwich, CT.

Young, J. O. & Whittington, M. S. (2000). An evaluation of the fall conference for leadership and professional development: A triangular approach. Poster Proceedings of the Annual Eastern Region Agricultural Education Research Conference. Portsmouth, NH

Young, J. O. & Whittington, M. S. (2000). An evaluation of the fall conference for leadership and professional development: A triangular approach. Proceedings of the College of Agricultural Sciences Gamma Sigma Delta Research Fair

Young, J. O. & Whittington, M. S. (2000). An evaluation of the fall conference for leadership and professional development: A triangular approach. Proceedings of The Pennsylvania State University Shreyer's Honors College Undergraduate Research Exhibition.

Moffett, S., & Whittington, M. S. (2004). Improving the cognitive capacity of students by fully engaging professors in the teaching and learning process. Presented at the College of Food, Agricultural, and Environmental Sciences Undergraduate Research Forum, & The Ohio State University Denman Undergraduate Research Forum. Columbus, OH.

Luthman, S., Ewing, J., & Whittington, M. S. (2007). The impact of the Versailles FFA Chapter's "Farm Day" on elementary students' understanding of agriculture. Presented at the College of Food, Agricultural, and Environmental Sciences Undergraduate Research Forum & The Ohio State University Denman Undergraduate Research Forum. Columbus, OH.

Niedermier, C., & Whittington, M. S. (2007). Ohio extension educator evaluation of Ohioline. Presented at the College of Food, Agricultural, and Environmental Sciences Undergraduate Research Forum. Columbus, OH.

Bachman, K., & Whittington, M. S. (2012). A census study of student anxieties related to the quarter to semester conversion in the Department of Agricultural Communication, Education, and Leadership. Presented at the College of Food, Agricultural, and Environmental Sciences Undergraduate Research Forum & The Ohio State University Denman Undergraduate Research Forum. Columbus, OH.

McClain, C. J., Kivel, M. L., Giorgi, A. J., Black, C. A., & Whittington, M. S. (2017). History of The Ohio State University Department of Agricultural Communication, Education, and Leadership: Celebrating our first 100 years. Presented at the College of Food, Agricultural, and Environmental Sciences Undergraduate Research Forum & The Ohio State University Denman Undergraduate Research Forum. Columbus, OH.

Other Undergraduate Research Advised

Smith, J., & Whittington, M. S. (2004) The student teacher/cooperating teacher relationship: A case study. Poster Proceedings of the Annual North Central Region Agricultural Education Research Conference. Lafayette, IN.

Shertzer, S., Ewing, J. C., & Whittington, M. S. (2004). A preliminary examination of students' thoughts during lectures. Poster Proceedings of the Annual North Central Region Agricultural Education Research Conference. West Lafayette, IN. **Second Place Poster.**

Shertzer, S., Ewing, J., Moffett, S., & Whittington, M. S. (2004). Improving the cognitive capacity of students by fully engaging professors in the teaching and learning process. Poster Proceedings of the Annual North Central Region Agricultural Education Research Conference. Lafayette, IN.

Shertzer, S., Ewing, J. C., & Whittington, M. S. (2005, May). A preliminary examination of students' thoughts during lectures. Poster Proceedings of the National Agricultural Education Research Conference. San Antonio, TX.

Hoerst, C., Ewing, J., & Whittington, M. S. (2005). Types and cognitive level of questions asked during college courses. Presented at the College of Food, Agricultural, and Environmental Sciences Undergraduate Research Forum, & The Ohio State University Denman Undergraduate Research Forum. Columbus, OH.

Bookman, J.A., Foster, D. D., & Whittington, M. S. (2008). Principles of teaching and learning: Are they alive in professors' class sessions? Presented at the College of Food, Agricultural, and Environmental Sciences Undergraduate Research Forum & The Ohio State University Denman Undergraduate Research Forum. Columbus, OH.

Bookman, J.A., Foster, D. D., & Whittington, M. S. (2009). Piaget's stages of cognitive development: Have college students reached formal operations? Presented at the College of Food, Agricultural, and Environmental Sciences Undergraduate Research Forum & The Ohio State University Denman Undergraduate Research Forum. Columbus, OH.

Bookman, J.A., Foster, D. D., & Whittington, M. S. (2009). Piaget's stages of cognitive development: Have college students reached formal operations? Presented at the College of Food, Agricultural, and Environmental Sciences Undergraduate Research Forum & The Ohio State University Denman Undergraduate Research Forum. Columbus, OH.

Gill, B. E., Jagger, C. B., Adams, A., Falk, J. M., Hall, J., Bookman, J. A., Valenti, R., Swinehart, K., Elliott, J. F., and Whittington, M. S. (2010). Education in a Technological World: An Analysis of Online Teaching Resources. Presented at the College of Food, Agricultural, and Environmental Sciences Undergraduate Research Forum. Columbus, OH.

Swinehart, K., Falk, J. M., & Whittington, M. S. (2010). Creating an exam at varying levels of Bloom's Taxonomy. Presented at the College of Food, Agricultural, and Environmental Sciences Undergraduate Research Forum. Columbus, OH.

Steinmetz, N., McMullen, S., Schmitz, S., & Whittington, M. S. (2011). Toward cultural proficiency: A course for preservice educators, communicators, and leaders. Presented at the College of Food, Agricultural, and Environmental Sciences Undergraduate Research Forum & The Ohio State University Denman Undergraduate Research Forum. Columbus, OH.

Steinmetz, N., McMullen, S., & Whittington, M. S. (2013). Toward cultural proficiency: How much confidence can be gained and what benchmarks and standards can be met in a college course? Presented at the College of Food, Agricultural, and Environmental Sciences Undergraduate Research Forum & The Ohio State University Denman Undergraduate Research Forum. Columbus, OH. **First place in Social Science Research.**

Miller, A. M. & Whittington, M. S. (2015). Preservice agriscience education teachers: Their preparation for teaching in diverse 21st century classrooms. Presented at the College of Food, Agricultural, and Environmental Sciences Undergraduate Research Forum. Columbus, OH.

Nicol, F., Giorgi, A. J., Black, C. A., & Whittington, M. S. (2017). Pre-service teacher preparation to teach record keeping techniques. Presented at the College of Food, Agricultural, and Environmental Sciences Undergraduate Research Forum & The Ohio State University Denman Undergraduate Research Forum. Columbus, OH.

Balint, S., Black, C. A., Giorgi, A. J., & Whittington, M. S. (2017). Perceptions of preservice teachers' toward preparation to teach the science of agriculture. Presented at the College of Food, Agricultural, and Environmental Sciences Undergraduate Research Forum & The Ohio State University Denman Undergraduate Research Forum. Columbus, OH.

Gase, D. J., Giorgi, A. J., Black, C. A., & Whittington, M. S. (2017). Describing preservice teachers' perceptions of teaching the science of agriculture to a diverse audience. Presented at the College of Food, Agricultural, and Environmental Sciences Undergraduate Research Forum & The Ohio State University Denman Undergraduate Research Forum. Columbus, OH.

Landis, S., & Whittington, M. S. (2018). Describing preservice teachers' perceptions of inquiry-based learning. Presented at the College of Food, Agricultural, and Environmental Sciences Undergraduate Research Forum & The Ohio State University Denman Undergraduate Research Forum. Columbus, OH.

ABSTRACTS PUBLISHED IN REFEREED JOURNALS (*N* = 55)

Whittington, M. S. (1993). Reaching higher cognitive levels in college classrooms. NACTA Journal, 37(3), 13-14.

Raven, M. R. & Whittington, M. S. (1995). Considering students' learning styles in teaching undergraduate classes. NACTA Journal, 39(3), 6.

Whittington, P. R., Whittington, M. S. & Wade B. (1997). Providing access to internship opportunities via distance. NACTA Journal, 41(3), 13.

Whittington, M. S. & McCormick, D. (1998). Diversity in cognitive level of academic challenges provided to students. NACTA Journal, 42(3), 11.

Hyman, D., Gurgevich, E., Alter, T., Ayers, J., Cash, E., Fahline, D., Gold, D., Herrmann, R., Jurs, P., Roth, D., Swisher, J., Whittington, M. S., & Wright, H., (2002). Beyond Boyer: The UniSCOPE Model of Scholarship for the 21st Century. Journal of Higher Education, Outreach and Engagement, 7(1&2).

Swan, B. G., Cano, J. M., & Whittington, M. S. (2003). Improving your effectiveness as a teacher. NACTA Journal, 47(4), 70.

Cano, J. M., Connors, J. J., Knobloch, N. A., & Whittington, M. S. (2003). A model for advising the agricultural education undergraduate. NACTA Journal, 47(1), 69.

Whittington, M. S., & Cano, J. M. (2003). Advising the undergraduate organization in a transition year: What worked for us. NACTA Journal, 47(4), 65.

Ewing, J. C., Swan, B. G., & Whittington, M. S. (2004). Preparing professors to teach in the laboratory setting. NACTA Journal, 48(4), 78.

Whittington, M. S., & Ewing, J. C. (2004). What are students thinking during a typical college lecture? NACTA Journal, 48(4), 76.

Cano, J. M., & Whittington, M. S. (2004). Peer review of teaching: How do I prepare to be a "peer?" NACTA Journal, 48(4), 75.

Cano, J. M., & Whittington, M. S. (2004). Multiple intelligences: What are they? NACTA Journal, 48(4), 82.

Hoerst, C., Ewing, J. C., & Whittington, M. S. (2005). Professors' questions: What are they accomplishing? NACTA Journal, 49(2), 82.

Ewing, J. C., & Whittington, M. S. (2005). Teaching techniques used in college of agriculture classrooms. NACTA Journal, 49(2), 67.

Chenevey, J. L., & Whittington, M. S. (2005). Examining teacher burnout and coping mechanisms. NACTA Journal, 49(2), 82.

Velez, J., Brown, D., Cano, J. M., Ewing, J. C., & Whittington, M. S. (2006). Designing a course for cross-curricular integration. NACTA Journal, 50(2), 78.

Brown, D., Cano, J. M., Ewing, J. C., Velez, J., & Whittington, M. S. (2006). College, careers, and majors: helping our students ask the right questions. NACTA Journal, 50(2), 83.

Ewing, J. C., Whittington, M. S., Brown, D., Velez, J., & Cano, J. M. (2006). Questioning strategies for engaging students. NACTA Journal, 50(2), 68.

Whittington, M. S., Ewing, J. C., Velez, J., Brown, D., & Cano, J. M. (2006). Enriching the undergraduate experience by integrating courses. NACTA Journal, 50(2), 79.

Cano, J. M., Brown, D., Ewing, J. C., Velez, J., & Whittington, M. S. (2006). Strategies for communicating across language barriers. NACTA Journal, 50(2), 83.

Hoerst, C. M., & Whittington, M. S. (2007). Contextual learning in a preservice teacher education program. NACTA Journal, 51(2), 81.

Foster, D. D., & Whittington, M. S. (2007). Application of service learning through undergraduate student organizations. NACTA Journal, 51(2), 103.

Whittington, M. S., Ewing, J. C., Velez, J., Brown, D., & Cano, J. M. (2007). Describing student cognition. NACTA Journal, 51(2), 95.

Velez, J., Wolf, K., Cano, J. M., & Whittington, M. S. (2007). Exploring the effectiveness of peer teaching in the college classroom. NACTA Journal, 51(2), 94.

Ewing, J. C., Velez, J., & Whittington, M. S. (2007). Examining course objectives used in selected college of agriculture courses. NACTA Journal, 51(2), 74.

Whittington, M. S. (2007). A model for attaining higher cognitive levels of teaching. NACTA Journal, 51(2), 96.

Whittington, M. S., Foster, D. D., Falk, J. M., Beck, W. M., & Bookman, J. A. (2008). Creating a conceptual framework for studying cognitive levels of teaching and learning. NACTA Journal, 52(2), 78.

Cano, J. M., & Whittington, M. S. (2008). Peer teaching: a way to enhance learning. NACTA Journal, 52(2), 79.

Foster, D. D., Connors, J. J., Cano, J. M., & Whittington, M. S. (2008). An undergraduate peer teaching approach to portfolio development across the curriculum. NACTA Journal, 52(2), 107.

Falk, J. M., Beck, W. M., & Whittington, M. S. (2008). The real deal. NACTA Journal, 52(2), 105.

Leis, A., & Whittington, M. S. (2008). Using student farms for curriculum enrichment and student retention at colleges and universities in the United States. NACTA Journal, 52(2), 102.

Foster, D. D., & Whittington, M. S. (2008). Principles of teaching and learning assessment: developing an observational instrument. NACTA Journal, 52(2), 107.

Bookman, J.A., Foster, D. D., & Whittington, M. S. (2009). Piaget's stages of cognitive development: Have college students reached formal operations? NACTA 2009 Abstracts and Awards, 53(1), 9.

Falk, J. M., Beck, W. M., & Whittington, M. S. (2009). Describing student cognitive retention in an animal science unit. NACTA 2009 Abstracts and Awards, 53(1), 43-44.

Jagger, C. B., & Whittington, M. S. (2009). Describing the relationship between brain activity, higher cognitive teaching techniques, and student achievement. NACTA 2009 Abstracts and Awards, 53(1), 20.

Beck, W. M., & Whittington, M. S. (2009). Describing teaching techniques for assessing student cognitive retention. NACTA 2009 Abstracts and Awards, 53(1), 42.

Jagger, C. B., & Whittington, M. S. (2010). Measuring student adoption of cooperative learning techniques and that relationship to their ability to answer higher cognitive questions. NACTA 2010 Abstracts and Awards, 54(1), 36.

Filson, C. M., & Whittington, M. S. (2012). Unique Combination: Nuts and Unicorns Applying STEM Through Agricultural Education. NACTA 2012 Abstracts and Awards, 56(1), 53.

Filson, C. M., & Whittington, M. S. (2013). Progression of undergraduate student advising needs. NACTA 2013 Abstracts and Awards, 57(1), 22.

Filson, C. M., & Whittington, M. S. (2013). Roadblocks to undergraduate success. NACTA 2013 Abstracts and Awards, 57(1), 70.

Steinmetz, N., McMullen, S., & Whittington, M. S. (2013). Toward cultural proficiency: how much confidence can be gained and what benchmarks and standards can be met in a college course? NACTA 2013 Abstracts and Awards, 57(1), 24.

Jagger, C. B., & Whittington, M. S. (2014). Towards cultural proficiency: The value of service learning to students' advancement along the cultural proficiency continuum. NACTA 2014 Abstracts and Awards, 58(1), 82-83.

Jagger, C. B., & Whittington, M. S. (2014). Change in Students' Diversity Awareness Profile: What evidence can journaling and reflections provide? NACTA 2014 Abstracts and Awards, 58(1), 82.

Ray, T. & Whittington, M. S. (2014). Description of Curriculum for Agricultural Science Education (CASE) units of instruction completed by certified CASE instructors in secondary agriculture classrooms. NACTA 2014 Abstracts and Awards, 58(1), 89.

Ray, T. & Whittington, M. S. (2014). Describing the number of Curriculum for Agricultural Science Education (CASE) schools in each state, and support from land grant institutions and state departments of education. NACTA 2014 Abstracts and Awards, 58(1), 89-90.

Whittington, M. S., Filson, C. M., Jagger, C. B., & Ray, T. D. (2015). A Modern Philosophy of Immersion for Teacher Preparation. NACTA 2015 Abstracts and Awards, 59(1), xx.

Miller, A. M. & Whittington, M. S. (2015). Preservice agriscience education teachers: Their preparation for teaching in diverse 21st century classrooms. NACTA 2015 Abstracts and Awards, 59(1), xx.

Jagger C. B., Ray, T. D., Scragg, B. S., & Whittington, M. S. (2015). Curating student ideas through Pinterest activities. NACTA 2015 Abstracts and Awards, 59(1), xx.

Jagger C. B. & Whittington, M. S. (2016). Describing perceptions of preparedness among agriscience teachers entering 21st century, global, learning environments. NACTA 2016 Abstracts and Awards, 60(1), xx.

Whittington, M. S., Scheer, S., Buck, E., & Birkenholz, R. (2017). Team teaching an undergraduate introductory course in an agricultural science, communication, and leadership department. NACTA 2017 Abstracts and Awards, 61(1), xx.

McClain, C. J., Kivel, M. L., Giorgi, A. J., Black, C. A., & Whittington, M. S. (2017). The 1917-2017 History of The Ohio State University Department of Agricultural Communication, Education, and Leadership. NACTA 2017 Abstracts and Awards, 61(1), xx.

Nicol, F., Giorgi, A. J., Black, C. A., & Whittington, M. S. (2017). Pre-service teacher preparation to teach record keeping techniques. NACTA 2017 Abstracts and Awards, 61(1), xx.

Faraj, S., Giorgi, A. J., Black, C. A., Pfister, J. A., Scheer, S., & Whittington, M. S. (2017). Teachers' perceptions toward sustainable agriculture in an Ohio science high school. NACTA 2017 Abstracts and Awards, 61(1), xx.

Giorgi, A. J., Black, C. A., & Whittington, M. S. (2017). A case study on reflection during preservice teacher immersion block. NACTA 2017 Abstracts and Awards, 61(1), xx.

Giorgi, A. J., & Whittington, M. S. (2019). Second-year engagement: a theoretical examination of first-generation college of agriculture students. NACTA 2019 Abstracts and Awards, 63(Supplement 1), 104.

TEXTBOOK

Newcomb, L. H., McCracken, J. D., Warmbrod, J. R., & Whittington, M. S. (2004). *Methods of teaching agriculture* (3rd Ed.). Upper Saddle River, NJ: Prentice Hall Publishers, Inc.

TEXTBOOK/WORKBOOK

Marsh, M. & Marsh, M. with Whittington, M. S. (2013). *Toward Cultural Proficiency*. Cincinnati, OH: Did You Know Publishing, Inc.

INVITED BOOK CHAPTERS

Whittington, M. S. (1996). Trust: the foundational element in leadership. In Interpersonal Skills for Leadership. S. Fritz & F. W. Brown (Eds.) 2nd Edition, New York: Simon and Shuster.

Stephens, C.A. & Whittington, M. S. (2010). Preparing context-based educators for mentoring preservice education interns. In *Preparing and Advancing Teachers in Agricultural Education*. R.M. Torres, T. Kitchel, & A. L. Ball (Eds.), Columbus, OH: Curriculum Materials Service.

Ray, T. D., Warmbrod, J. R., & Whittington, M. S. (in progress). The history of graduate education. In *The Seeds have been Sown: A History of Agricultural Education in America*. J. Connors (Ed.) 1st Edition, xx.

Adams-Gaston, J., McDaniels, A., & Whittington, M. S. (2018). The Ohio State University's Second-year Transformational Experience Program. In *Aligning Institutional Support for Student Success: Case Studies of Sophomore-Year Initiatives*. Gardner, J. (Ed.), National Resource Center for the First-Year Experience and Students in Transition.

Isaacs, D., McDaniel, A., Adams-Gaston, J., & Whittington, M. S. (in press, 2019). OSU's Second-year Transformational Experience Program: Enriching students' lives in the modern land grant era. *The 21st Century Land-Grant Mission of The Ohio State University*. Gavazzi, S. M. & Staley, D. J. (Eds). Columbus, OH: University Press.

REFEREED MONOGRAPH

Whittington, M. S., & Newcomb, L. H. (1993). Aspired cognitive level of instruction, assessed cognitive level of instruction and attitude toward teaching at higher cognitive levels. Summary of Research, Columbus, OH: The Ohio State University, Bulletin #SR70.

TEACHER'S MANUAL

Lantz, V., & Whittington, M. S. (1999). *New teacher induction in Pennsylvania*. University Park, PA. 140 pages.

FACULTY MENTOR RESOURCE MANUAL

Whittington, M. S., Black, C., Black, C., Kapusta, R., Greenslade-Smith, T., & Fines, B. (2018). *STEP Resource Manual: Faculty Handbook, Student Handbook & Proposal Guidelines*, The Ohio State University, Columbus, OH.

Black, C., Black, C., Kapusta, R., Greenslade-Smith, T., Fines, B., & Whittington, M. S. (2019). *STEP Resource Manual: Faculty Handbook, Student Handbook & Proposal Guidelines*, The Ohio State University, Columbus, OH.

STAFF STUDY

Cano, J. M., Whittington, M. S., Connors, J. J., & Knobloch, N. A. (2002). *A new vision for undergraduate education*. Staff Study, Department of Human and Community Resource Development, The Ohio State University, Columbus, OH.

NATIONAL EXTERNAL REVIEW REPORTS

Bowen, B. E., Bahn, H., Carter, R., & Whittington, M. S. (2000). Report of the peer review team for the Department of Agricultural Leadership, Education, and Communications, College of Agriculture and Life Sciences, Texas A&M University, College Station, TX.

Bowen, B. E., Cheek, J. G., Place, N. T., Rudd, R., & Whittington, M. S. (2010). Report of the peer review team for the Department of Agricultural Leadership, Education, and Communications, College of Agriculture and Life Sciences, Texas A&M University, College Station, TX.

Dobrowolski, J., Hoover, T., King, D., Whittington, M. S., & Montgomery, F. (2010). Report of the peer review team for the Department of Agricultural Leadership, Education, and Communication, College of Agriculture and Life Sciences, University of Nebraska, Lincoln, NE.

Tormoehlen, R., Raven, M., & Whittington, M. S. (2013). Report of the peer review team for the Department of Agricultural Education and Studies, College of Agriculture and Life Sciences, Iowa State University, Ames, IA.

Whittington, M. S., Miller, W., Novodvorsky, I., Taylor, A., Watkins, B., & Zamudio, A. (2014). Report of the Academic Program Review team for the Department of Agricultural Education, College of Agriculture and Life Sciences, University of Arizona, Tucson, AZ.

Whittington, M. S., Birkenholz, R., Irani, T., & Newman, M. (2017). Report of the peer review team for the Department of Agricultural Leadership, Education, and Communications, College of Agriculture and Life Sciences, Texas A&M University, College Station, TX.

REPORTS

Numerous authors (2014). Ohio State ATI Re-envisioning Report. College of Food, Agricultural, and Environmental Sciences, The Ohio State University. Columbus, OH.

Randhawa, V., Straquadine, G., Whittington, M. S., & Ambula, M. (2014). Teaching and Learning Center at Egerton University. Report of the Trilateral Food Security Program. Nakuru, Kenya.

Whittington, M. S. & MacDonald, W. (approved, 2019). The Ohio State University's Second-year Transformational Experience Program: Proposal for STEP on the OSU regional campuses. With Black, C., Black, C., Kapusta, R., Greenslade-Smith, T., & Fines, B. The Ohio State University, Columbus, OH.

PATTERN OF ADMINISTRATION

Whittington, M. S., Black, C., Black, C., Kapusta, R., Greenslade-Smith, T., Fines, B., McDaniel, A. (2019). STEP Pattern of Administration, The Ohio State University, Columbus, OH.

VIDEOS

Cropper, B. & Whittington, M. S. (2012). Car teens: A developmental program. Cooperative Extension, The Ohio State University, Columbus, OH.

Whittington, M. S. (2014). An OSU distance education experience. Office of Distance Education and E-Learning, The Ohio State University, Columbus, OH. (7 2-minute video productions, 1 w/ Jagger & 1 w/ Ray for AEE 7300).

Wickham, E. (2016). I turned blue and gold into scarlet and gray. Academic Programs Office of the College of Food, Agricultural and Environmental Sciences, The Ohio State University, Columbus, OH (participant in a 3-minute video production for the Ohio FFA Convention. 19,000+ views).

Whittington, M. S. (2016). Experiencing the E-Learning development process, The Ohio State University, Columbus, OH. (2-minute video production).

Whittington, M. S. (2016). The Teaching and Learning Institute, The Ohio State University, Columbus, OH. (participant, 3-minute video production).

BLOG POSTS

Whittington, M. S. (February, 2016). My early FFA experience. Posted on the website of the Department of Agricultural Communication, Education, and Leadership by Wickham, E.

Schwinn, L. (May, 2016). Dr. Susie Whittington. Posted on the website of Osu.edu, The Department of Agricultural Communication, Education, and Leadership by Wickham, E.

EDUCATION ABROAD LEADERSHIP

2018. Co-led the Dunn Sports and Wellness Scholars' STEP Education Abroad to London. (May 2-14, 2018).

PUBLICATIONS IN NON-REFEREED, EDITED PUBLICATIONS (*N*=26)

Whittington, M. S. (1987). Using SOE to increase enrollment. The Agricultural Education Magazine, 60(1), 11.

Whittington, M. S. & Knight, J. A. (1988). Toward sex equity: America's equal employment opportunity laws. The Agricultural Education Magazine, 61(2), 17-18.

Child, L. & Whittington, M. S. (1989). Progressive agriculture education. AgriNaturalist, 95(2) 9-11.

Whittington, M. S. (1990). Retaining women in nontraditional employment. The Agricultural Education Magazine, 63(2), 18-19, 23.

Whittington, M. S., & Newcomb, L. H. (1991). Aspired cognitive level of instruction, assessed cognitive level of instruction and attitude toward teaching at higher cognitive levels. Research into Practice, No. 32, Columbus, OH: The Ohio State University.

Whittington, M. S. & Newcomb, L. H. (1993). Aspired cognitive level of instruction, assessed cognitive level of instruction and attitude toward teaching at higher cognitive levels. Resources in Education, ERIC doc. No. 357 251.

- Whittington, M. S. (1993). Effective teaching: Reaching higher cognitive levels. The Agricultural Education Magazine, 66(5), 14-16.
- Whittington, M. S. (1994). The next best thing to being there. The Agricultural Education Magazine, 66(8), 3.
- Whittington, M. S. (1995). The \$20,000 question. The Agricultural Education Magazine, 67(12), 3.
- Whittington, M. S. & Raven, M. R. (1995). Learning and teaching styles of student teachers in the northwest. Resources in Education, ERIC doc. No. EJ514411.
- Whittington, M. S. (1997). Student teaching--I remember it well. The Agricultural Education Magazine, 69(3), 3.
- Whittington, M. S. (1997). I wish they would have prepared me for.... The Agricultural Education Magazine, 69(3), 8.
- Whittington, M.S. (2001). What could I share about teaching? The Agricultural Education Magazine, 74(3), 4.
- Whittington, M. S., Cano, J. M., Connors, J. J. & Knobloch, N.A. (2002). The Latest Trend: Aligning with standards. The Agricultural Education Magazine, 75(3), 10-11.
- Whittington, M. S., & Elliot, J. F. (2003) LifeKnowledge: FFA's knowledge for life? The Agricultural Education Magazine, 76(4), 4.
- Whittington, M. S., Connors, J. J., and Budke, W. 2004. We're bringing standards to life! The Agricultural Education Magazine, 77(2), 13-15.
- Whittington, M. S., and Connors, J. J. (2004). Teacher behaviors: Student opportunity to learn. The Agricultural Education Magazine, 77(4), 22-24.
- Whittington, M. S. (2005). Writing objectives in secondary agriculture courses that challenge students to think. The Agricultural Education Magazine, 77(5), 24-26.
- Whittington, M. S. (2007). Critical thinking and cognition: Using questions during class sessions to enhance cognitive development. The Agricultural Education Magazine, 79(2), 5-7.
- Whittington, M. S. (2008) Leadership opportunities for underrepresented populations: Here's what we are doing! The Agricultural Education Magazine, 81(1), 4.
- Falk, J. M., & Whittington, M. S. (2009). Dairy farm field trip. The Ohio State University School Partnerships: 2008 Summary (p. 22).
- Whittington, M. S., & Cano, J. M. (2010). Advising the undergraduate student organization: This worked for us! Electronic access at BNET Business Publications.com.
- Amore, K., & Whittington, M. S. (2010) Students Invigorate their futures in education with learning opportunities abroad. The Agricultural Education Magazine, 83(2), 18-19.
- Whittington, M. S., & Cano, J. M. (2010). Advising the undergraduate student organization: This worked for us! http://ohiounion.osu.edu/get_involved/student_organizations/advisors.
- Filson, C. M., & Whittington, M. S. (2011). Looking Through a peephole or an open door?: Insights into inclusion. The Agricultural Education Magazine, 84(2).

Theme co-editor

Whittington, M. S. (2018). Preparing preservice teachers for identity and inclusion of their students. The Agricultural Education Magazine, 92(6).

Statewide Newsletters

Whittington, M.S. (2008). OSU's spring block prepares great teachers. Ohio FFA Alumni Quarterly Newsletter.

National Newsletters

Whittington, M. S. (2008). President Gee celebrates Ag Ed Society's 125th anniversary. Alumni Update. College of Food, Agricultural, and Environmental Sciences, 27(2), 2.

Public Display

Whittington, M. S., & McMichael, R. (2010). An annotated history of the Agricultural Education Society. Grand Opening of the Ohio Union, March 29, 2010.

FEATURED IN EDITED JOURNALS

Stowe, G. (2011, Summer). Woven Traditions goes to college. Racing Toward Diversity Magazine, 26-27.

UNPUBLISHED PROFESSIONAL PRESENTATIONS (N=69)National and Regional Presentations

Knight, J. A., Whittington, M. S., Scudder, J., Clevenger, L. & Haddix, S. (1986). Ohio's response to retaining women in a nontraditional occupation. Vocational Education Equity Council, at the American Vocational Association Conference, Dallas, TX. (2-hour presentation).

Whittington, M. S. (1996). Classroom behaviors: Lessons professors can learn from 444 hours of observation. Presented to the College of Agriculture Faculty, University of Idaho. (2-hour interactive PowerPoint presentation with handouts and question/answer)

Whittington, M. S. (1997). Emerging trends and developments. Presented to the New Jersey Statewide Visioning Conference, Woodbridge, NJ. (1-hour interactive workshop).

Whittington, M. S. (1997). Classroom behaviors that reach higher cognitive levels: What have we learned? Presented to faculty in the College of Agricultural Sciences, The Pennsylvania State University. (2-hour PowerPoint presentation with handouts. 35 in attendance).

Cano, J. M., Connors, J. J., Knobloch, N. A., & Whittington, M. S. (2002). A new vision for undergraduate education in agriculture. Presented to the National Career and Technical Teacher Education Institute. Scottsdale, AZ.

- Cano, J. M., Connors, J. J., Knobloch, N. A., & Whittington, M. S. (2002). Retooling preservice Agricultural Education. Presented to the National Career and Technical Teacher Education Institute. Scottsdale, AZ.
- Connors, J. J., Cano, J. M., Whittington, M. S. (2003). Praxis II and III assessments for career and technical education teachers. Presented to the National Career and Technical Teacher Education Institute. Scottsdale, AZ.
- Whittington, M. S., & Ewing, J. C. (2004). What have we learned about teaching at higher cognitive levels?. Paper presented to the Lilly Conference on College and University Teaching. Oxford, OH.
- Ewing, J. C., & Whittington, M. S. (2005). Are professors asking effective questions during class? Paper presented to the Lilly North Conference on College and University Teaching. Traverse City, MI.
- Whittington, M. S. (2006). Applying pedagogical skills: Assessing our peers. Presented to the OMEGA: Powerful Professional Growth participants, Indianapolis, IN. (2-hour interactive workshop with PowerPoint and handouts).
- Whittington, M. S. (2007). AAAE's response to FFA's 10 x 15 initiative. Presented to the AAAE participants of the National Agricultural Education Summit, Indianapolis, IN. (1-hour interactive workshop with PowerPoint and handouts).
- Foster, D. D., Ewing, J. C., & Whittington, M. S. (2007). Putting the key in the ignition for fruition through cognition. Presented to the National Association of Agricultural Educators. Las Vegas, NV. (1-hour interactive workshop with PowerPoint and handouts).
- Whittington, M. S. (2008). Ohio State means to me.... Presented to the guests of The Ohio State University Alumni awards banquet (2-minute acceptance speech).
- Whittington, M. S. (2008). At this moment. Presented to the APS section of NASULGC (2-minute acceptance speech).
- Whittington, M. S., & Filson, C. M. (2012). Looking through a peephole or an open door?: Insights into inclusion and diversity. Presented to the National Association for Agricultural Educators Annual Conference. Atlanta, GA. (1-hour interactive workshop with PowerPoint and handouts. 11 in attendance).
- Whittington, M. S., Schroeder, J., Biddle, A., & Arulanantham, A., Homan, D. (2014). Moving students and peers beyond diversity towards cultural proficiency. Presented to the National Conference on Diversity, Race, and Learning, Columbus, OH. (1-hour presentation with Powerpoint, discussion and handouts. 40 in attendance).
- Whittington, M. S. (2015). The influence of mentors. Presented to the North American Colleges and Teachers of Agriculture annual conference (7-minute acceptance speech. 250 in attendance).
- Whittington, M. S., & Whittington, P. R. (2016). Preparing HS agriculture students to be first gen post-secondary students. Presented to the National Association for Agricultural Educators Annual Conference. Las Vegas, NV. (1-hour interactive workshop with PowerPoint and handouts. 47 in attendance).

Whittington, M. S. (2016). Engaging learners at higher cognitive levels during class sessions. Presented to the National Association for Agricultural Educators Annual Conference. Las Vegas, NV. (1-hour interactive workshop with PowerPoint and handouts).

Whittington, M. S. & Birkenholz, R. (2016). AAAE 101: Policies and procedures. Presented to the North Central Region of the American Association for Agricultural Education, West Lafayette, IN. (1-hour presentation with PowerPoint, 23 in attendance).

Whittington, M. S. (2017). AAAE 101: A briefing on policies and procedures. Presented to the new members of the American Association for Agricultural Education, San Luis Obispo, CA. (20 minute presentation, 50 in attendance).

In-state and In-house Presentations

Whittington, M. S. (1990). What do Ohio female agriculture teachers say about sexual harassment, sex discrimination and job enjoyment? Presented at the Ohio Women Professionals in Agriculture Conference, Mt. Sterling, OH. (1-hour presentation with handouts).

Riesenberg, L. E. & Whittington, M. S. (1992). Final report of the Idaho postsecondary follow-up. Presented to the Idaho Vocational Council, Boise, ID. (30-minute presentation with handouts).

Whittington, M. S. (1993, 1994, 1995). Preparing to supervise student teachers. Presented to high school teachers who are preparing to supervise student teachers, University of Idaho. (30-minute presentation with overheads, handouts).

Whittington, M. S. (1994). Proper parliamentary procedures. Presented to Learn Today--Lead Tomorrow: A Campus-wide Parliamentary Procedure/Officer Training Jamboree, University of Idaho. (45-minute presentation with handouts).

Whittington, M. S. & Pals, D. A. (1995). Preparing to supervise student teachers. Presented to high school teachers who are preparing to supervise student teachers, University of Idaho. (30-minute presentation with overheads, handouts).

Whittington, M. S. (1995). Planning to mentor a student teacher. Presented to the practicing teachers who are preparing to supervise student teachers, The Pennsylvania State University. (30-minute presentation with overheads, handouts).

Whittington, M. S. (1996, 1998). Before they come to you. Presented to high school teachers who are preparing to supervise student teachers, The Pennsylvania State University. (45-minute PowerPoint presentation with handouts).

Whittington, M. S. (1996, 1998). Student teaching--on the job. Presented to high school teachers who are preparing to supervise student teachers, The Pennsylvania State University. (60-minute PowerPoint presentation with handouts).

Whittington, M. S. (1996). The college of agricultural sciences--We're more than you think. Presented to the Agricultural Science classes at Huntingdon Area Vocational Technical School, Huntingdon, PA. (1-hour presentation including question/answer).

Whittington, M. S. (1997). Reinventing agricultural education (REA) for the year 2020. Presented to the Pennsylvania Statewide Steering Committee for REA 2020. The Pennsylvania State University. (25-minute presentation with overheads).

Whittington, M. S. (1997). Preparing to teach in the summer session. Presented to the Extension Agricultural Engineering faculty, The Pennsylvania State University. (1-hour presentation including question/answer).

Whittington, M. S. (1997). The college of agricultural sciences--We're more than you think. Presented to the Agricultural Science classes at Southern Fulton High School, Warfordsburg, PA. (1-hour presentation including question/answer).

Whittington, M. S. (1997). The college of agricultural sciences--We're more than you think. Presented to the Agricultural Science classes at West Perry High School, Elliottsburg, PA. (1-hour presentation including question/answer).

Whittington, M. S. (1998). The value of an FFA membership. Presented to the Freshman Agricultural Science class at Southern Fulton High School, Warfordsburg, PA. (1-hour presentation including question/answer).

Whittington, M. S. (1998). Careers in agricultural sciences at Penn State. Presented to the Junior Agricultural Science class at Southern Fulton High School, Warfordsburg, PA. (1-hour presentation including question/answer).

Whittington, M. S. (1998). Planning and implementing a student leadership experience: Cooperative learning in action. Presented at the University Learning/Teaching Fair, The Pennsylvania State University. (30-minute discussion group).

Whittington, M. S. (1998). Improving undergraduate teaching by assessing thinking in our classrooms. Presented at the University Learning/Teaching Fair, The Pennsylvania State University. (30-minute discussion group).

Whittington, M. S., Hood, L., Whittington, P. R., & Fewer, C. (1998). Planning and implementing a student leadership experience: Cooperative learning in action. Presented at the University Learning/Teaching Fair, The Pennsylvania State University. (30-minute discussion group).

Falk, J. M. & Whittington, M. S. (2000). We took the lead, so they could lead! Developed and taught by the District Officer Training Committee of the Agricultural Education Society. Columbus, OH.

Whittington, M. S. (2001). Working smarter, not harder. Presented to the fall New Ohio Agriculture Teacher Induction Class. Plain City, OH.

Whittington, M. S. (2004, 2005, 2006, 2007). A day in the life of a faculty member. Annually presented to new students and parents entering the College of Food, Agricultural, and Environmental Sciences New Student Orientation, The Ohio State University, Columbus, OH.

Ewing, J. C., & Whittington, M. S. (2005). Types and cognitive level of professor questions during college of agriculture class sessions. Paper presented at the Department of Human and Community Resource Development Graduate Student Association Research Conference, Columbus, OH.

Whittington, M. S. (2006). Balancing work and family. Presented to the winter New Ohio Agriculture Teacher Induction Class. Columbus, OH.

Foster, D. D., Falk, J. M., & Whittington, M.S. (2008). Class sessions designed to engage learners at higher cognitive levels. Presented to the Ohio Association for Career and Technical Education. Columbus, OH.

Foster, D. D., & Whittington, M. S (2008). Developing an instrument for measuring principles of teaching and learning during class sessions. Paper presented at the Department of Human and Community Resource Development Graduate Student Association Research Conference, Columbus, OH.

Jagger, C. B., & Whittington, M. S. (2009). Describing the relationship between brain activity, higher cognitive teaching techniques, and student achievement. Paper presented at the Department of Human and Community Resource Development Graduate Student Association Research Conference, Columbus, OH.

Bookman, J. A., Foster, D. D., & Whittington, M. S. (2009). Piaget's stages of cognitive development: Have college students reached formal operations? Paper presented at the Department of Human and Community Resource Development Graduate Student Association Research Conference, Columbus, OH.

Whittington, M. S., & Cano, J. M. (2009). Developing and implementing program area learning outcomes. Presented to the Human and Community Resource Faculty, Columbus, OH. (20 minute Powerpoint presentation with handouts, 15 in attendance).

Jagger, C. B., & Whittington, M. S. (2010). Measuring student adoption of high cognitive teaching techniques and that relationship to their ability to answer higher cognitive questions. Poster presented at the Department of Human and Community Resource Development Graduate Student Association Research Conference, Columbus, OH.

Whittington, M. S., Steinmetz, N., McMullen, S., & Schmitz, S. (2012). Toward cultural proficiency; A college course for preservice teachers. Presented to the Annual National Urban Education Institute. Central State University, Wilberforce, OH. (50 minute Powerpoint presentation with handouts, 30 in attendance).

Schmitz, S., Whittington, M. S., Steinmetz, N., & McMullen, S. (2012). Toward cultural proficiency: Data on cultural change of preservice teachers. Presented at the Department of Agricultural Communication, Education, and Leadership Graduate Student Association Research Conference, Columbus, OH.

Cropper, B., Mason K. J., & Whittington, M. S. (2012). Real world, real money. Presented to Southern Hills Career and Technical Center (36 in attendance); Eastern Brown Local Schools (25 in attendance). (2 hour presentation with handouts).

Cropper, B., Mason K. J., & Whittington, M. S. (2012). Mini society. Presented to Eastern Local Schools. (45 minute presentation with handouts. 15 in attendance).

Cropper, B., Mason K. J., & Whittington, M. S. (2012). College access, college reality. Presented to Ripley Union Huntington Lewis Schools (110 in attendance); North Adams Schools (31 in attendance). (2 hour presentation with handouts).

Cropper, B., Mason K. J., & Whittington, M. S. (2012). High school and beyond. Presented to Eastern Brown Local Schools. (2 hour presentation with handouts. 110 in attendance).

Cropper, B., Mason K. J., & Whittington, M. S. (2012). Personal and professional development. Presented to Adams, Brown, Clermont, and Highland county Farm Bureau. (2 hour presentation with handouts. 48 in attendance).

Cropper, B., Mason K. J., & Whittington, M. S. (2012). Personal development and college reality. Presented to Eastern Brown Local Schools. (45 minutes presentation with handouts. 17 in attendance).

Cropper, B., Mason K. J., & Whittington, M. S. (2012). College access carnival. Presented to Manchester Local Schools. (90 minutes presentation with handouts. 141 in attendance).

Cropper, B., Mason K. J., & Whittington, M. S. (2012). College access. Presented to Russelville Kiwanis. (10 minute presentation. 18 in attendance).

Marsh, M., Marsh, M., & Whittington, M. S. (2013). The power of yes – Creative suggestions for passionate facilitators of learning. Presented to the Annual National Urban Education Institute. Cedarville University, Cedarville, OH. (50 minute Powerpoint presentation with handouts, 45 in attendance).

Cropper, B. & Whittington, M. S. (2013). Mini society. Presented to Sardinia Elementary School. (45 minute presentation with handouts. 10 in attendance).

Jagger, C. B. & Whittington, M. S. (2014). Toward cultural proficiency: Data on cultural change of students in a 15-week course. Presented at the Department of Agricultural Communication, Education, and Leadership Graduate Student Association Research Conference, Columbus, OH.

Whittington, M. S. (2014). Mentoring STEP students at OSU. Presented to The Ohio State University First-Year Experience Conference, Columbus, OH. (60-minute interactive presentation with handouts and activities. 80 in attendance).

Jech, R. & Whittington, M. S. (2014). Being a Balanced Buckeye. Presented to The Ohio State University Leadership Collaborative, Columbus, OH. (2 hour interactive presentation with handouts and activities. 80 in attendance).

Whittington, M. S., Black, C., Black, C., Greenslade-Smith, T., Kapusta, R., & Fines, B. (2018). Orientation for STEP Faculty Mentors. Presented to STEP Faculty Mentors, Columbus, OH. (2 90-minute presentations with PowerPoint and handouts. 70 in attendance).

Whittington, M. S., Black, C., Black, C., Greenslade-Smith, T., Kapusta, R., & Fines, B. (2018). Fall welcome event for STEP Faculty Mentors. Presented to STEP Faculty Mentors, Columbus, OH. (90-minute presentations with PowerPoint and handouts. 150 in attendance).

Whittington, M. S., Black, C., Black, C., Greenslade-Smith, T., Kapusta, R., & Fines, B. (2018). STEP signature project workshop. Presented to STEP Faculty Mentors, Columbus, OH. (2 90-minute presentations with PowerPoint and handouts. 170 in attendance).

Whittington, M. S., Black, C., Black, C., Greenslade-Smith, T., Kapusta, R., & Fines, B. (2019). STEP proposal and budgeting workshop. Presented to STEP Faculty Mentors, Columbus, OH. (90-minute presentations with PowerPoint and handouts. 80 in attendance).

Black, C. A., Black, C., Zirkle, C., Fines, B., Kapusta, R., McDaniel, A., Greenslade-Smith, T., & Whittington, M. S. (2019). Preparing students for the Second-Year Transformational Experience Program (STEP). Presented to The Ohio State University First-Year Experience Conference, Columbus, OH. (60-minute interactive presentation with handouts and activities. xx in attendance).

Whittington, M. S., Black, C., Black, C., Greenslade-Smith, T., Kapusta, R., & Fines, B. (2019). Orientation for STEP Faculty Mentors. Presented to STEP Faculty Mentors, Columbus, OH. (2 90-minute presentations with PowerPoint and handouts. 50 in attendance).

Black, C., Black, C., Greenslade-Smith, T., Kapusta, R., Fines, B., & Whittington, M. S. (2019). Fall welcome event for STEP Faculty Mentors. Presented to STEP Faculty Mentors, Columbus, OH. (90-minute presentations with PowerPoint and handouts. 100 in attendance).

Black, C., Black, C., Greenslade-Smith, T., Kapusta, R., Fines, B., & Whittington, M. S. (2019). STEP signature project workshop. Presented to STEP Faculty Mentors, Columbus, OH. (2 90-minute presentations with PowerPoint and handouts. 100 in attendance).

Black, C., Black, C., Greenslade-Smith, T., Kapusta, R., Fines, B., & Whittington, M. S. (2020). STEP proposal and budgeting workshop. Presented to STEP Faculty Mentors, Columbus, OH. (90-minute presentations with PowerPoint and handouts. 80 in attendance).

Black, C. A., Black, C., Zirkle, C., Fines, B., Kapusta, R., McDaniel, A., Greenslade-Smith, T., & Whittington, M. S. (2020). The STEP cohort experience: a deep dive. Presented to The Ohio State University First-Year Experience Conference, Columbus, OH. (60-minute interactive presentation with handouts and activities. 50 in attendance).

INVITED UNPUBLISHED SCHOLARLY PRESENTATIONS (N=129)

International

Whittington, M. S. (1991). Intra-curricular experiential learning. Presented to the Indonesian Vocational School Principals. A project of the Washington State University, Portland, OR. (1-hour presentation with handouts).

Whittington, M. S., & Birkenholz, R. J. (August, 2008). Student-centered learning: A discussion with students. Presented to the undergraduate and graduate students at Acharya N. G. Ranga Agricultural University, Hyderabad, India (90-minute informal presentations followed by discussion; 75 in attendance).

Whittington, M. S., Birkenholz, R. J., & Whittington, P. R. (August, 2008). Student-centered learning: A discussion with students. Presented to the postdoctoral students at the National Academy for Agricultural Research and Management, Hyderabad, India (90-minute informal presentations followed by discussion; 30 in attendance).

Whittington, M. S., & Birkenholz, R. J. (August, 2008). Student-centered learning: A discussion with scientists. Presented to the Extension specialists at Chandra Shekar Azad University of Agriculture and Technology, Kanpur, India (60 in attendance), and to the National Pulse Research Institute (50 in attendance); 2-hour informal presentation with discussion.

Whittington, M. S., & Birkenholz, R. J. (August, 2008). Student-centered learning: How can learning be improved? Workshop presented to the undergraduate students at Orissa University of Agriculture and Technology, Bhubaneswar, India (70 in attendance); (1-hour presentation with PowerPoint and handouts).

Whittington, M. S. (August, 2008). Building capacity in higher education: How can we improve teaching? Workshop presented to the undergraduate students at Chandra Shekar Azad University of Agriculture and Technology, Kanpur, India (70 in attendance); 1-hour Powerpoint presentation with discussion.

Regional, National

Stenberg, L. A., Whittington, P. R. & Whittington, M. S. (1992). The anatomy of follow-up research. Presented to the American Information Association National Meeting, Coeur d' Alene, ID. (1-hour presentation with handouts).

Cox, D., & Whittington, M. S. (1992). Enhancing teaching through knowledge of learning styles and levels of cognition. Presented at the "Research into Practice" session of the Annual Western Region Agricultural Education Research Meeting. Cody, WY. (1-hour presentation with handouts).

Whittington, M. S. (1993). Promos and public relations for cooperatives. Presented to the Executive Institute for Northwest Cooperatives, Spokane, WA. (3-hour interactive workshop with handouts).

Whittington, M. S. (1994). Team-building. Presented at the Commercialization Leadership Workshop, Richland, WA. (1-hour presentation with handouts).

Whittington, M. S. (1994). Agriculture needs leaders. Presented to the Agribusiness Leadership Conference, Pullman, WA. (1-hour presentation with handouts).

Whittington, M. S. (1994, 1995). Group processes. Presented to the Executive Institute for Northwest Cooperatives, Spokane, WA. (3-hour interactive workshop with handouts).

Whittington, M. S. (1995). Learn today--Lead tomorrow. Presented to the Darigold, Inc. Young Dairyman's Leadership Conference, Seattle, WA. (3-hour interactive workshop with handouts).

Waitley, R. & Whittington, M. S. (1995). Effective parliamentary procedure. Presented to the Executive Institute for Northwest Cooperatives, Spokane, WA. (3-hour interactive workshop with handouts).

Whittington, M. S. (1996). Classroom behaviors: Lessons professors can learn from 444 hours of observation. Presented to the College of Agriculture Faculty, University of Idaho. (2-hour interactive PowerPoint presentation with handouts and question/answer)

Whittington, M. S. (1997). Emerging trends and developments. Presented to the New Jersey Statewide Visioning Conference, Woodbridge, NJ. (1-hour interactive workshop).

Whittington, M. S. (1997). Preparing for the 2000s in agricultural education. Presented to state leaders in agriculture in Maine, Presque Isle, MA. (3-hour interactive workshop).

Whittington, M. S., (1998). What's all this learning styles stuff about? Presented to the National FFA Officer Team, The Penn Stater Hotel, The Pennsylvania State University. (3-hour interactive workshop using activities, handouts & including question/answer).

Whittington, M. S., & Knight, J. A. (1999). Women in Agricultural Education—What is our past & where are we headed? Presented to agriculture teachers in Nebraska by The University of Nebraska-Lincoln. Delivered via distance education as a statewide satellite seminar.

Hillison, J., & Whittington, M. S. (1999). Determining one's professional impact. Presented to the American Association for Agricultural Education National Research Conference. (2-hour presentation with PowerPoint, handouts, and question and answer. 126 in attendance).

Whittington, M. S. (1999). Preparing a WWW course: One professor's perspective. Presented to Agricultural Education Department Faculty, The Pennsylvania State University, University Park, PA. (20-minute presentation with PowerPoint assimilation of WWW, handouts, and question/answer. 20 in attendance).

Elliot, J, Rudd, R., Akers, C., & Whittington, M. S. (2002). LifeKnowledge: A curriculum for life. Presented to the Nebraska Association for Agricultural Education, Lincoln, NE. (1-hour presentation with PowerPoint and handouts).

Whittington, M. S. (2003). Peer reviews of college teaching. Presented to the Midwest Research-to-Practice Conference, Columbus, OH. (1-hour presentation with PowerPoint, handouts, and question and answer).

Barrett, L., Whittington, M. S., Dingus, D., & Pendergraft, J. (2004). 50 years of NACTA: How has teaching improved? Presented at the 50th Anniversary of North American Colleges and Teachers of Agriculture Annual Conference, Gainesville, FL. (1-hour presentation. 150 in attendance).

Whittington, M. S. & Ewing, J. C. (2006). Engaging learners at higher cognitive levels: Self-assessing classroom behaviors. Presented to the Lilly North Conference on College and University Teaching. Traverse City, MI.

Whittington, M. S. (2007). Higher cognitive levels of instruction: A model and applications. Paper presented to the Lilly North Conference on College and University Teaching. Traverse City, MI.

Whittington, M. S. (2007). Teaching with *flair*' \ (fla(a)/(e)r, n. [fr. *flairier* 1: natural ability or capacity]. Invited keynote to the Western Region Teaching Symposium, Tucson, AZ. (45 minute interactive keynote address and workshop with PowerPoint and handouts).

Whittington, M. S. (2008). Improving Teaching in Higher Education: Connecting the Dots. Presented to the American Association for Agricultural Education Annual Conference, Reno, NV. (40 minute presentation. 200 in attendance).

Whittington, M. S. (2008). Visioning for the future. Presented to the faculty in the College of Agriculture, Tarleton State University, Stephenville, TX (6-hour facilitation with handouts, Powerpoint, interaction. 45 in attendance).

Whittington, M. S. (2010). Scholarship in agricultural education. Presented to the National Association for Supervisors in Agricultural Education national conference, Indianapolis, IN (20-minute presentation with Powerpoint. 145 in attendance).

Whittington, M. S. (2012). Teaching in a research world. Presented to the Academic Programs Section of the Association for Public and Landgrant Universities , Denver, CO (1 hour panel presentation. 145 in attendance).

Whittington, M. S. (2012). The role of public high schools in building relationships with the university. Presented to the Academic Programs Section of the Association for Public and Landgrant Universities, Denver, CO (20 minute PowerPoint presentation. 145 in attendance).

Whittington, M. S. (2013). Succeeding as a teacher in a research environment. Presented to the Virtual Expert Series: Women Role Models in Agricultural Leadership, Education, and Communications, College Station, TX. (60-minute virtual presentation with Powerpoint).

Whittington, M. S. (2013). Crossing cultural boundaries: student to student inclusion. Presented as the Blue Ribbon Lecture, North American Colleges and Teachers of Agriculture, Blacksburg, VA. (90-minute interactive presentation with Powerpoint and handouts. 360 in attendance).

Whittington, M. S., Schroeder, J., Biddle, A., & Arulanantham, A., Homan, D. (2013). Toward cultural proficiency. Presented to the College of Agricultural Sciences Ambassadors at the University of Arizona, Tucson, AZ. (2-hour presentation with Powerpoint, discussion and handouts. 40 in attendance).

Whittington, M. S., Schroeder, J., Homan, D., Biddle, A., & Arulanantham, A., (2013). Cultural change: a World Café approach. Presented to the College of Agricultural Sciences Ambassadors at the University of Arizona, Tucson, AZ. (3-hour presentation with Powerpoint, discussion and handouts. 40 in attendance).

Whittington, M. S. (2014). Advising undergraduate student organizations: More than just add-ons. Presented to the Academic Programs Section of the Association for Public and Landgrant Universities, Washington, DC. (30 minute PowerPoint presentation. 60 in attendance).

Whittington, M. S. (2014). Building a relationship between students and professors. Presented to The Ohio State University Freshmen Orientation, Columbus, OH. (10 minute presentation. 1,000 students and parents in attendance each session x 4 sessions = 4,000).

Whittington, M. S. (2014). How to measure co-curricular activities & documenting teaching scholarship. Presented to the Academic Programs Section of the Association for Public and Land Grant Universities, Bozeman, MT. (60 minute interactive PowerPoint presentation. 50 in attendance).

Whittington, M. S. (2015). Toward cultural proficiency. Presented to the National Agricultural Alumni Development Association, College Station, TX. (60 minute interactive PowerPoint presentation. xx in attendance).

Whittington, M. S. (2015). Toward cultural proficiency. Presented to the National Agricultural Alumni Development Association Conference, College Station, TX. (60-minute presentation with PowerPoint and discussion, 13 in attendance).

Whittington, M. S. (2015). Visioning for the future: Reinventing and transforming our alumni culture. Presented to the National FFA Alumni Development Conference, Raleigh, NC. (60-minute presentation with PowerPoint and discussion, 27 in attendance).

Whittington, M. S. (2015). Toward cultural proficiency. Presented to the Career and Technical Education Equity Council Conference, Tulsa, OK. (60-minute presentation with PowerPoint and discussion, 20 in attendance).

Whittington, M. S. (2016). Our foundations from the ground up: A world café. Presented to the Omega II, Powerful Professional Growth, College Station. (90-minute presentation with PowerPoint and discussion, 36 in attendance).

Whittington, M. S. (2016). The foundational readings in agricultural education. Presented to the teacher education caucus of the American Association for Agricultural Education, Kansas City, MO. (60-minute panel presentation with Ed Osborne and Bobby Torres, 115 in attendance).

Whittington, M. S. (2016). Describing experiences and characteristics for preparing students to enter 21st century, global, living, learning, and working environments. Keynote address to the Career and Technical Education Equity Council Conference, Tulsa, OK. (3- hour presentation with PowerPoint, interactive activity, handouts, and discussion, 147 in attendance).

Malone, K. & Whittington, M. S. (2017). Pre-service teachers in science and agriculture working to promote emerging technologies in classrooms k-12. Presented to the National Science Teachers Association consulting team, Washington DC. (15-minute presentation with discussion, 21 in attendance).

Whittington, M. S. (2017). Owl Pellets – Practical tips for Ag Teachers. Presented to the National Podcast from the University of Florida, University of Arkansas, and Oklahoma State. (15-minute podcast with discussion, 6000 logged-in).

Whittington, M. S. (2017). Transforming the culture of agricultural education: A world café technique. Presented to the Penn State, University of Kentucky, and Murray State Preservice Teacher's Post-Internship Professional Development Seminar, Pittsburgh, PA. (3 hour presentation with PowerPoint, interaction and discussion, 32 in attendance).

Whittington, M. S. (2017). AAAE 101: Policies and procedures. Presented to the New member Professional Development of the American Association for Agricultural Education, San Luis Obispo, CA. (30 minute presentation with PowerPoint, xxx in attendance).

Whittington, M. S., Greenslade-Smith, T., Black, C. A., & Kapusta, R. (2018). Engaging second-year students in high impact professional development. Presented to the Students in Transition Conference, Indianapolis, IN. (60 minute presentation with PowerPoint, 41 in attendance).

Whittington, M. S., Greenslade-Smith, T., Black, C. A., Black, C., Zirkle, C., Fines, B. & Kapusta, R. (2019). Inspiring second-year students to succeed. Presented to the Students in Transition Ohio Undergraduate Education: Inspiring Practices for Student Success Conference, Bexley, OH. (60 minute presentation with PowerPoint, xxx in attendance).

Local and State

Conklin, W., & Whittington, M. S. (1987). Is there a place for women in the profession? Presented to the Maryland Vocational Agriculture Teachers Association, Grantsville, MD. (1-hour presentation with handouts).

Conklin, W., & Whittington, M. S. (1987). A comparison of the Maryland and Ohio vocational systems. A panel discussion presented at the Maryland Vocational Agriculture Teachers Association Conference, Grantsville, MD. (1-hour presentation with handouts and question/answer).

- Whittington, M. S. (1993, 1994). As a professional. Presented to Leadership Idaho Agriculture, Class. Moscow, ID. (1-hour presentation with handouts).
- Whittington, M. S. (1994). Toward teaching at higher cognitive levels. Presented to the Academic Policies in Agriculture Council (APAC), University of Idaho. (30-minute presentation with handouts and question/answer).
- Whittington, M. S. (1995). Get the inside scoop on teaching. Presented to the State 4-H Teen Conference, Moscow, ID. (1-hour interactive workshop with games and handouts).
- Whittington, M. S. (1995). Where tradition meets the future. Presented to the faculty and staff of the Department of Agricultural and Extension Education, The Pennsylvania State University. (1-hour presentation with PowerPoint, handout, and question/answer).
- Whittington, M. S. (1995). Research on critical thinking. Presented to the “Be a Master Student” professors, The Pennsylvania State University. (10-minute presentation with handout and question/answer).
- Whittington, M. S. (1995). Is our department assessing outcomes? Presented to the Assessment Seminar Series, The College of Agricultural Sciences, The Pennsylvania State University. (15-minute presentation with handout and question/answer).
- Whittington, M. S. (1996). Progress report: “Thinking” in our classrooms. Presented to the Assessment Seminar Series, The College of Agricultural Sciences, The Pennsylvania State University. (45-minute PowerPoint presentation with handout and question/answer).
- Whittington, M. S. (1996). Progress report: “Thinking” in our classrooms. Presented to the Assessment Seminar Series, The College of Agricultural Sciences, The Pennsylvania State University. (45-minute PowerPoint presentation with handout and question/answer).
- Whittington, M. S. (1998). That’s what FFA does for kids. Presented to the members and guests of the Cowanesque FFA banquet. Tioga County, PA.
- Whittington, M. S. (1999). Now, What Do I Do?. Commencement Speaker. Presented to the graduates, parents, guests, and school administrators of the Benjamin Logan High School, Bellefontaine, OH.
- Whittington, M. S. (2000). Reaching for the stars. Presented to the members and guests of the West Snyder FFA banquet. Snyder County, PA. (30-minute presentation, 300 in attendance).
- Whittington, M. S. (2000). Enhancing opportunities for cognitive processing in college classrooms. Presented to the faculty and staff of the Department of Human and Community Resource Development, The Ohio State University. (1-hour presentation with PowerPoint, handout, and question/answer).
- Jolliff, S., Wiget, C., Whittington, M. S. (2001). The status of the new teacher program in Ohio. Ohio Agricultural Education Leadership Community semi-annual meeting. (30-minute presentation, 30 in attendance).
- Whittington, M. S. (2001). The status of the new vision for undergraduate education in agriculture in Ohio. Ohio Agricultural Education Leadership Community semi-annual meeting. (30-minute presentation, 30 in attendance).

Whittington, M. S. (2001). Managing classrooms as beginning teachers. Presented to Technical Update for Teachers, Wooster, OH. 90 minute presentation with overheads and handouts. 36 in attendance.

Whittington, M. S. (2002). Evaluating my cognitive level of teaching. Presented to Agricultural Engineering Teaching Assistants, Columbus, OH. (2-hour presentation with handouts, video, PowerPoint. 40 in attendance).

Whittington, M. S. (2002). Opportunities for women in the agricultural sciences. Presented to the high school students attending the Sigma Alpha women in Agriculture Conference, Columbus, OH.

Whittington, M. S. (2002). FFA: your opportunity for success. Presented to the members and guests of the West Liberty Salem FFA banquet. West Liberty, OH.

Cano, J. M., Whittington, M. S., Connors, J. J. (2004). Using standards to impact program quality. Presented to the Ohio Legislature, Task Force on Standards, Columbus, OH.

Whittington, M. S. (2004). Change is inevitable: Can we love it? Presented to the agriculture program faculty of Miami Valley Career Technical Center, Dayton, OH.

Whittington, P. R., & Whittington, M. S. (2005). Preparing to be a successful college student. Presented to the Ohio Farm Bureau Leadership Camp, Otterbein University, Westerville, OH.

Shipe, M. A., & Whittington, M. S. (2006). Ohio 4-H CARTEENS : The current status of the program. Presented to the Ohio State Highway Patrol. Columbus, OH.

Whittington, M. S. (2007). Mentoring for a lifetime. Presented to the family and guests present at the retirement of Dr. L.H. Newcomb. Columbus, OH.

Whittington, M. S., & Whittington, P. R. (2008). Experiencing India. Presented to the Harper United Methodist Church, Bellefontaine, OH. (2-hour presentation with Powerpoint, question and answer. 125 in attendance).

Falk, J. M., Tyson, J., Whittington, P. R., & Whittington, M. S. (2009). Efficient and effective processes for conducting business meetings. Presented to the Ohio Staters, Inc., Columbus, OH. (45 minute presentation with handouts, demonstrations, question and answer. 30 in attendance).

Whittington, M. S., & Cano, J. M. (2009). Developing and implementing program area learning outcomes. Presented to the Quarter-to-Semester Transition Task Force, College of Food, Agricultural, and Environmental Sciences, Columbus, OH. (20 minute Powerpoint presentation with handouts, 20 in attendance).

Falk, J. M., Tyson, J., & Whittington, M. S. (2010). Using parliamentary procedures. Presented to the Ohio Staters, Inc, Quarterly Bull Session, The Ohio State University, Columbus, OH. (40 minute presentation with handouts, 40 in attendance).

Marsh, M., Marsh, M., Kolp, R., Smith, A., & Whittington, M. S. (2011). Cultural competency for teachers. Presented to the Making Diversity Live in Your Life Training for Cincinnati Public Schools Annual Summer Inservice, Mayerson Academy, Cincinnati, OH. (2-hour PowerPoint presentation with handouts, discussion. 100 in attendance).

Kiser, R., James, E., Hellwig, K., & Whittington, M. S. (2011). It's easy being green: Bioproduct and bioenergy classroom engagement activities. Hands-on Teaching Annual Inservice, Ohio

Association for Agricultural Educators. Columbus, OH. (1-hour PowerPoint presentation with handouts and discussion, 25 in attendance).

Steinmetz, N., McMullen, S., Homan, D., & Whittington, M. S. (2012). Cultural transformation: A student perspective. Web Proceedings of the 2012 Diversity Leadership Symposium: Transforming Campuses to become Authentically Inclusive Communities. Columbus, OH. (2-hour session with Powerpoint presentation, handouts, audience interaction, 80 in attendance).

Whittington, M. S. (annually: 2012-2015, 2017). Teach me how to be a teacher. Ohio FFA Officer Team. Columbus, OH. (3-hour Powerpoint presentation with handouts and discussion, 20 in attendance to 12 in attendance).

Whittington, M. S. (2012). Inclusive behaviors in our living, learning, and working environments. College of Food, Agricultural, and Environmental Sciences Ambassadors. Columbus, OH. (30 minute Powerpoint presentation with handouts and discussion, 35 in attendance).

Whittington, M. S., Steinmetz, N., McMullen, S., & Schmitz, S. (2012). Toward cultural proficiency; A college course for preservice teachers. Presented to the Making Diversity Live in Your Life Training for Cincinnati Public Schools Annual Summer Inservice, Mayerson Academy, Cincinnati, OH. (50 minute Powerpoint presentation with handouts, 50 in attendance).

Kiser, R., Grove, J., James, E., Schmitz, S., & Whittington, M. S. (2012). It's easy being green: Bioproduct and bioenergy classroom engagement activities. Web Proceedings of the Ohio Economic Education Summit. Columbus, OH. (1-hour educational stations with handouts, audience interaction, 60 in attendance).

Whittington, M. S. (2012). Classroom environments that engage learners at higher cognitive levels. Hands-on Teaching Annual Inservice, Ohio Association for Agricultural Educators. Columbus, OH. (1-hour Powerpoint presentation with handouts and discussion, 25 in attendance).

Whittington, M. S. (2012). Living the OSU motto, *Disciplina in civitatem*. Keynote address to the Leadership Collaborative at The Ohio State University, Columbus, OH. (45 minute Powerpoint presentation, 80 in attendance).

Whittington, M. S. (2012, autumn). Dorm life: living inclusively. Fireside chat with Norton residents at The Ohio State University, Columbus, OH. (30-minute presentation with handouts, 20 in attendance).

Whittington, M. S. (2012, spring). Dorm life: living inclusively. Fireside chat with Norton residents at The Ohio State University, Columbus, OH. (30-minute presentation with handouts, 15 in attendance).

Whittington, M. S. (2013). My LOVES (and yours!) at OSU. Keynote address to the goBuckeye Day Welcome Dinner for Multicultural Students, in collaboration with Undergraduate Admissions and academic partners at The Ohio State University, Columbus, OH. (15 minute presentation, 80 in attendance).

Whittington, M. S. (2013). Find your passions at Ohio State. Keynote address to the First Generation Buckeye Leadership Connection Dinner for the Economic Access initiative at The Ohio State University, Columbus, OH. (15 minute presentation, 100 in attendance).

Whittington, M. S. (2014). Why we value flocking together. Banquet address to Alpha Sigma Upsilon at The Ohio State University, Columbus, OH. (10 minute presentation, 80 in attendance).

Whittington, M. S. (2014). An ideal faculty/student relationship at Ohio State. Opening address to New Student Orientation for the Office of First Year Experience at The Ohio State University, Columbus, OH. (15 minute presentation, 4 x 1000 = 4,000 in attendance).

Whittington, M. S. (2014). Community service or serving the community? Presented to Tri-Rivers Career Center Career and Technical student organization officers, Carrollton, OH. (90-minute presentation with discussion, 70 in attendance).

Whittington, M. S. (2014). Succeeding as a STEP mentor. Presented to STEP faculty orientation at The Ohio State University, Columbus, OH. (15-minute presentation. 100 in attendance).

Whittington, M. S. (2014). Succeeding as a STEP mentor. Presented to STEP faculty orientation at The Ohio State University, Columbus, OH. (15-minute presentation. 100 in attendance).

Whittington, M. S. (2014). Lessons learned from online instruction. Presented to the Office of Distance Education and E-learning and Innovate 360 at The Ohio State University, Columbus, OH. (10-minute PowerPoint presentation. 65 in attendance).

Whittington, M. S. (2014). A general education class on cultural proficiency. Presented to perspective OSU students at the Academic Summit at The Ohio State University, Columbus, OH. (60-minute PowerPoint presentation with discussion, 34 in attendance).

Whittington, M. S. (2014). Developing and teaching a course on cultural proficiency. Presented to faculty and administration at Columbus State University, Columbus, OH. (60-minute presentation with handouts and discussion, 8 in attendance).

Jech, R. & Whittington, M. S. (2014). Living as a balanced Buckeye. Presented to the Leadership Collaborative students at The Ohio State University, Columbus, OH. (90-minute PowerPoint presentation with discussion, 75 in attendance).

Whittington, M. S. (2015). Being the MVP. Stater Thought of the Week, Ohio Staters, Inc., Columbus, OH. (5 minute presentation, 53 in attendance).

Whittington, M. S. (2015). Living the Buckeye-life on campus Faculty presentation to Dracket residents at The Ohio State University, Columbus, OH. (45-minute presentation with discussion, 32 in attendance).

Whittington, M. S. (2015). Visioning for the future: Reinventing and transforming our alumni culture. Presented to the Ohio FFA Alumni Convention, Columbus, OH. (90-minute presentation with PowerPoint and discussion, 40 in attendance).

Whittington, M. S., Jagger, C. M., & Ray, T. D. (2015). Scholarly presentations on teaching. Presented to the Price Speaker Series, College of Food, Agricultural, and Environmental Sciences, Columbus, OH. (60-minute presentation with discussion, handouts, and posters, xx in attendance).

Whittington, M. S. (2015). Finding your loves in the Ohio State community. Keynote address to the Alpha Lambda Delta and Phi Eta Sigma (ALDPES) Freshman class Honorary, Columbus, OH. (20 minute presentation, 100 in attendance).

Whittington, M. S. (2015). The influence of mentors. Presented to the Vice President and Dean's CFAES Celebration Luncheon at the Farm Science Review (8-minute speech, 200 in attendance).

Whittington, M. S. (2016). Finding your loves in the Ohio State community. Keynote address to the Romophos Sophomore class Honorary, Columbus, OH. (20 minute presentation, 66 in attendance).

Whittington, M. S. (2016). Principles of constructive dialogue. Presented to the Farmhouse fraternity, Columbus, OH. (45-minute interactive presentation with PowerPoint. 38 in attendance).

Whittington, M. S. (2016). Equipping teachers with inquiry-based curriculum: CASE Institutes. Presented to the Ohio Corn and Wheat Education Sub-committee, Plain City, OH. (20-minute presentation with PowerPoint and handouts, 15 in attendance).

Whittington, M. S. (2016). Finding your way: A message to first gen students. Presented to the First Gen Initiative, Columbus, OH. (1-hour panel presentation, 72 in attendance).

Whittington, M. S. (2017). An historical perspective for Black History Month. Stater Thought of the Week, Ohio Staters, Inc., Columbus, OH. (5 minute presentation, 42 in attendance).

Whittington, M. S. (2017). Honoraries as leadership development at Ohio State. Keynote address to the Romophos Sophomore class Honorary, Columbus, OH. (10 minute electronic presentation, 47 in attendance).

Motter, A., & Whittington, M. S. (2017). Staters: Reflecting on our inclusion. Presented to the Ohio Staters, Inc, Bull Session, The Ohio State University, Columbus, OH. (60 minute presentation with handouts, 40 in attendance).

Whittington, M. S. (2017). Changing the culture of secondary agricultural science education: A world café. Presented to the preservice teachers from Penn State University, Pittsburgh, PA. (2-hour presentation with PowerPoint, handouts, activities, and discussion, 15 in attendance).

Whittington, M. S. (2017). Reflections on your teaching journey. Presented to the University Institute on Teaching and Learning (Inaugural First Year Celebration), The Ohio State University, Columbus, OH. (20 minute presentation with video and PowerPoint, 56 in attendance).

Filson, C. M. & Whittington, M. S. (2017). Student-centered advising: what does student development theory tell us? Presented to Assessment Conference, the College of Food, Agricultural and Environmental Sciences, The Ohio State University, Columbus, OH. (45-minute presentation with PowerPoint and Q&A, 56 in attendance).

Whittington, M. S. (2017). Opening day expectations. Presented to the University New Faculty Orientation, The Ohio State University, Columbus, OH. (20 minute presentation with video and PowerPoint, 167 in attendance).

Nelms, M. L., & Whittington, M. S. (2017). Making a course your own. Presented to the University New Faculty Orientation, Innovative Roundtable Discussions. The Ohio State University, Columbus, OH. (2-hour session with 30 minute rotations, 10 total participants).

Whittington, M. S. (2017). Engaging the disengaged. Presented to the Fall Summit of the STEP faculty, The Ohio State University, Columbus, OH. (60 minute presentation, 76 in attendance).

Marsh, M., Marsh, M., & Whittington, M. S. (2018). Designing inclusive classrooms. Presented to the Warren County Education Summit, Lebanon, OH. (Day-long workshop, 41 in attendance).

Whittington, M. S. (2018). Leadership opportunities at Ohio State: What is your perspective? Presented to the University STEP Ambassadors. The Ohio State University, Columbus, OH. (1-hour session with Q&A, 43 in attendance).

Whittington, M. S. (2018). Leadership outreach to community partners. Presented to the Graduate Student Association in ACEL. The Ohio State University, Columbus, OH. (1-hour session with Q&A, 6 in attendance and 2 via distance).

Marsh, M., Marsh, M., & Whittington, M. S. (2018). Discussing The Humans. Presented to the Cincinnati Community Partners. Ensemble Theatre, Cincinnati, OH. (1-hour Q&A, 13 in attendance).

Whittington, M. S. (2018). Connecting and networking across the university. Presented to the Global Leadership Initiative. The Ohio State University, Columbus, OH. (1-hour Q&A, 32 in attendance).

Kapusta, R. & Whittington, M. S. (2018). What do I need to know?: Second-year transformational experience. Presented to Introduction to Psychology, The Ohio State University, Columbus, OH. (20-minute presentation with PowerPoint and Q&A. 41 in attendance).

Kapusta, R., Black, C., & Whittington, M. S. (2018). How do I advise students about STEP? Presented to Academic Advisors in the College of Education and Human Ecology, The Ohio State University, Columbus, OH. (40-minute presentation with PowerPoint and Q&A. 26 in attendance).

Whittington, M. S., Greenslade-Smith, T., Black, C. (2019). Connecting career services and STEP. Presented to the University Committee on Career Services. The Ohio State University, Columbus, OH. (40-minute presentation with Q&A, 52 in attendance).

Whittington, M. S., Greenslade-Smith, T., Black, C. (2019). Connecting community partners with second-year programming. Presented to the University Community Partners Roundtable. Office of Off-Campus and Commuter Student Services, The Ohio State University, Columbus, OH. (90-minute presentation with Q&A, xx in attendance).

Whittington, M. S. (2019). An historical perspective for National Women's History Month. Stater Thought of the Week, Ohio Staters, Inc., Columbus, OH. (8 minute presentation, 36 in attendance).

Whittington, M. S. (2019). This is STEP! Presented to Advance for the Office of Academic Enrichment, Columbus, OH. (10 minute presentation with PowerPoint and Q&A, 44 in attendance).

Giorgi, A. J. & Whittington, M. S. (2019). Clearing the Pathway to Success: Engaging first-generation college students. Presented to Assessment Conference, the College of Food, Agricultural and Environmental Sciences, The Ohio State University, Columbus, OH. (45-minute presentation with PowerPoint and Q&A, 38 in attendance).

Whittington, M. S. & Kapusta, R. (2019). Curricular and co-curricular foundations of STEP. Presented to Assistant Provost's Advisory Council (APAC), The Ohio State University, Columbus, OH. (20-minute presentation with Q&A, 40 in attendance).

Whittington, M. S. (2019). Ohio State's role in the Underground Railroad. Presented to Sesquicentennial Scholars Leadership Series, The Ohio State University, Columbus, OH. (5 60-minute walking presentations with Q&A, total of 50 in attendance, 10/session).

Whittington, M. S. (2020). First Gen career needs. Presented to the College of Arts and Sciences First Gen Networking Event. The Ohio State University, Columbus, OH. (1-hour panel discussion, xxx participants).

GUEST LECTURES IN COLLEGE CLASS SESSIONS (N=44)

Whittington, M. S. (1995). Making the Transition from Student to Professional (and Keeping Your Family Happy). Presented to AG ED/VOCED 425 "Methods/Materials in Agricultural Education", The Colorado State University, Denver, Co. (The class came by van from Ft. Collins to Denver.)

Whittington, M. S. (1995, 1997). So, What is Your Learning Style? Presented to AG ED 530, "Agricultural College Teaching" class, The Pennsylvania State University.

Whittington, M. S. (1996). Learning Styles: Dispelling the Myth. Presented to AG ED 530, "Agricultural College Teaching" class, The Pennsylvania State University.

Whittington, M. S. (1996). Preparing a Unit of Instruction--Piece at a Time! Presented to AG ED 412, "Methods of Teaching Agriculture" class, The Pennsylvania State University.

Whittington, M. S. (1997). What Do I Need?: Earning Credits Beyond the B. S. Presented to AG ED 597A, "New Teacher Induction" class, The Pennsylvania State University.

Whittington, M. S. (1997). So, What is Your Learning Style? Presented to AN SC 497B, "Therapeutic Equine Riding" class, The Pennsylvania State University.

Whittington, M. S. (1997). Research in Cognitive Levels of Teaching--What Have We Learned? Presented to AG ED 530, "Agricultural College Teaching" class, The Pennsylvania State University.

Whittington, M. S. (1997). Learning Styles Visited. Presented to Horticulture 490, "Senior Seminar", The Pennsylvania State University, University Park, PA.

Whittington, M. S. (1997). Evaluating Asynchronous Web and Traditional Class Sessions. Presented to TURF 235 and TURF 235A - nontraditional, "The Turfgrass" class, The Pennsylvania State University, University Park, PA.

Whittington, M. S. (1997, 1998, 1999). Learning Styles: Dispelling the Myth. Presented to Horticulture 490, "Senior Seminar" class, The Pennsylvania State University, University Park, PA.

Whittington, M. S. (1998). Cognitive Challenges for Today's Students. Presented to Agricultural Education 422, "Communicating Knowledge in Agriculture and Life Sciences", University of Arizona, Tucson, AZ.

Whittington, M. S. (1998). A Program Planning Framework. Presented to Agricultural Education 462, "Curriculum Development", University of Arizona, Tucson, AZ.

Whittington, M. S., & McCormick, D. (1998). Toward Increasing Cognitive Levels in College Classrooms. Presented to the Faculty and Grad Student Colloquium, Agricultural Education 590, The Pennsylvania State University, University Park, PA.

Whittington, M. S. (1998). Research in Cognitive Levels of Teaching--What Have We Learned? Presented to AG ED 530, "Agricultural College Teaching" class, The Pennsylvania State University, University Park, PA.

Whittington, M. S. (1999, 2000, 2001, 2002). The Top Ten Things New Teachers Should Know. Presented to Agricultural Education 492, "Professional Development" class, University of Arizona, Tucson, AZ. Presented via distance education as a conference call lecture.

Whittington, M. S. (1999). Research in Cognitive Levels of Teaching--What Have We Learned? Presented to AG ED 530, "Agricultural College Teaching" class, The Pennsylvania State University, University Park, PA. Delivered via distance education as a Pictel I lecture between Penn State and Hershey. 29 in attendance.

Whittington, M. S. (1999). Evaluating a micro-teaching lesson. Presented to AEE 412, "Methods of Teaching Agriculture" class, The Pennsylvania State University, University Park, PA. 22 in attendance.

Whittington, M. S. (2003). Ten Golden Nuggets You Can Carry Into Your First Year of Teaching. Presented to Agricultural Education 492, "Professional Development" class and Human Ecology, University of Arizona, Tucson, AZ. Presented via distance education as a conference call lecture.

Whittington, M. S. (2003, 2004, 2005). Reaching Higher Cognitive Levels in Our Teaching. Presented to Food, Agricultural, and Biological Engineering 810. 25, "College Teaching in Engineering", The Ohio State University, Columbus, OH. (90 minute presentation with PowerPoint, handouts, video clips, activities. 24 in attendance).

Whittington, M. S. (2003). Current Trends and Issues in Leadership Education. Presented to Agricultural Education 342, "Fundamentals of Leadership", The Ohio State University, Columbus, OH. (Panel discussion, 34 in attendance).

Whittington, M. S. (2004, 2005, 2006, 2009). Ten Golden Anecdotes Necessary for a Beginning Teacher. Presented to Agricultural Education 407/507, "Professional Development", University of Arizona, Tucson, AZ. Presented via distance education as a conference call lecture.

Whittington, M. S., & Harrison, K. (2004, 2006). Getting the most from your honors curriculum. Presented to Food, Agricultural, and Environmental Sciences H590, "Agriculture Honors Colloquium", The Ohio State University, Columbus, OH.

Whittington, M. S. (2005). Preparing for graduating with honors. Presented to Food, Agricultural, and Environmental Sciences H590, "Agriculture Honors Colloquium", The Ohio State University, Columbus, OH.

Whittington, M. S. (2005, 2006). Enhancing opportunities for cognitive processing in college classrooms. Presented to Agricultural Education 735 and 735N, "Methods of Teaching Agricultural and Extension Education", The Ohio State University, Columbus, OH. (3-hour

presentation with PowerPoint, handouts, activities. 12 in attendance).

Whittington, M. S. (2007, 2008, 2009). Professional Goals and Networks to Achieve Them. Presented to Agricultural Education 492, "Professional Development" class, University of Arizona, Tucson, AZ. Presented via distance education as a conference call lecture.

Whittington, M. S. (2007). Current Trends and Issues in Agricultural and Extension Education. Presented to Agricultural and Extension Education 795.02, "Issues and Problems in Agricultural and Extension Education", The Ohio State University, Columbus, OH. (Panel discussion, 14 in attendance).

Whittington, M. S. (2007). Developing a student-centered syllabus. Presented to Agricultural Education 735, "Methods of Teaching Agricultural and Extension Education", The Ohio State University, Columbus, OH. (3-hour presentation with PowerPoint, handouts, activities. 12 in attendance).

Whittington, M. S. (2007, 2008). Teaching at higher cognitive levels: Thoughts for professors to ponder. Presented to Agricultural Education 735, "Methods of Teaching Agricultural and Extension Education", The Ohio State University, Columbus, OH. (3-hour presentation with PowerPoint, handouts, activities. 12-15 in attendance).

Whittington, M. S. (2010). Describing the importance of diversity in agricultural education. Presented to Agricultural Education 407/507, "Professional Development", University of Arizona, Tucson, AZ. Presented via distance education as a conference call lecture.

Whittington, M. S. (2010, 2011). Engaging learners at higher cognitive levels. Presented to Agricultural Education 735, "Methods of Teaching Agricultural and Extension Education", The Ohio State University, Columbus, OH. (3-hour presentation with PowerPoint, handouts, activities. 2010, 12 in attendance; 2011, 12 in attendance).

Whittington, M. S. (2011, 2013). Identifying the needs and benefits of diversity in agricultural education programs. Presented to Agricultural Education 405/505, "Principles of Career and Technical Education", University of Arizona, Tucson, AZ. Presented via distance education as a conference call lecture.

Whittington, M. S. (2010). Curriculum and career preparation. Presented to Agricultural and Extension Education 230, "Introduction to Agricultural and Extension Education", The Ohio State University, Columbus, OH. (45-minute presentation with PowerPoint, handouts. 25 in attendance).

Whittington, M. S. (2012). Tips for writing your research proposals. Presented to College of Food, Agricultural, and Environmental Sciences 3590H, "Honors Research", The Ohio State University, Columbus, OH. (50-minute presentation with PowerPoint, handouts. 20 in attendance).

Whittington, M. S. (2013). Current trends and issues in youth organizations. Presented to Community Leadership 5350, "Youth Organizations and Program Management", The Ohio State University, Columbus, OH. (Panel discussion, 18 in attendance).

Whittington, M. S. (2013). Keys to developing great teachers. Presented to Agricultural Education 430, "Methods in Teaching Agricultural Education", Penn State University, University Park, PA. Presented via distance education as an Adobe Connect lecture. (45 minute presentation with PowerPoint. 12 in attendance).

Whittington, M. S. (2013 & 2014). Crossing cultural boundaries. Presented to the Ecuador study abroad students, Columbus, OH. (30-minute interactive presentation with Powerpoint and handouts. 2013 = 36; 2014 = 26 in attendance).

Whittington, M. S. (2014). My experience and perspectives on agricultural education programming. Presented to Agricultural Education 405/505, "Principles of Career and Technical Education", University of Arizona, Tucson, AZ. Presented via distance education via Skype. (60 minute presentation with PowerPoint, handouts and discussion. 6 in attendance).

Whittington, M. S. (2014). Insights into Agricultural Education Programs: More than two decades of experience. Presented to Agricultural Education 9410, "Foundations and practices in Teacher Education", University of Missouri, Columbia, MO. Presented via distance education via Skype. (60 minute presentation with discussion. 6 in attendance).

Whittington, M. S. (2014). Preparing for honors undergraduate research. Presented to CFAES H2590, "Introductory Honors Research", The Ohio State University, Columbus, OH.. (45-minute presentation with PowerPoint and discussion. 20 in attendance).

Whittington, M. S. (2015). Visioning for the future: Reinventing and transforming our education culture. Presented to Community Leadership 2530, "Introduction to Agricultural Communication, Education, and Leadership", The Ohio State University, Wooster, OH. (90-minute presentation with PowerPoint via distance. 32 in attendance).

Whittington, M. S. (2015). The steps in the research process. Presented to CFAES 4590H, "Honors Research Seminar", The Ohio State University, Columbus, OH. (45-minute presentation with handouts and discussion. 7 in attendance).

Whittington, M. S. (2016). Asking good questions. Presented to ALCE 6435, "GTS Engaging in the Teaching Profession I", Virginia Tech University, Blacksburg, VA. (60-minute discussion with handouts. 7 in attendance).

Whittington, M. S. (2018). Successful second-year experiences. Presented to EPSY 5193, "SpringForward", The Ohio State University, Columbus, OH. (60-minute panel discussion. 43 in attendance).

Whittington, M. S. & Black, C. (2018). Second-year transformational experience: What is it? Presented to EPSY 5193, "SpringForward", The Ohio State University, Columbus, OH. (20-minute panel discussion. 37 in attendance).

Whittington, M. S. (2019). What advice would I offer? Presented to EPSY 5193, "SpringForward", The Ohio State University, Columbus, OH. (75-minute panel discussion. 39 in attendance).

FACULTY DEVELOPMENT WORKSHOPS CONDUCTED (N=12)

In-house, Regional, National, International

Whittington, M. S. & Bowman, G. (September 1993). Preparing to assess cognitive level of instruction. Presented to the fall participants (15 professors) of the cognition research, University of Idaho. (2-hour active workshop with activities, handouts, question/answer).

Whittington, M. S. & Bowman, G. (January 1994). Preparing to assess cognitive level of instruction. Presented to the spring participants (15 professors) of the cognition research, University of Idaho. (2-hour active workshop with activities, handouts, question/answer).

Whittington, M. S. & Bowman, G. (September 1994). Cognitive level of instruction in the college: What did we learn? Presented to the fall and spring participants (30 professors) of the cognition research, University of Idaho. (2-hour active slide presentation and workshop with activities, handouts, question/answer. Videotaped for library).

Whittington, M. S. & Bowman, G. (October 1994). Writing objectives across the levels of cognition. Presented to the level three participants (9 professors) of the cognition research, University of Idaho. (1-hour & 30 minute brown-bag session including activities, handouts, question/answer, and discussion).

Whittington, M. S. & Bowman, G. (November 1994). Learning styles assessments: Effecting cognitive levels in the classroom? (Part I). Presented to the level three participants (9 professors) of the cognition research, University of Idaho. (1-hour & 30 minute brown-bag session including activities, handouts, question/answer, and discussion).

Bowman, G. & Whittington, M. S. (December 1994). Learning styles assessments: Effecting cognitive levels in the classroom? (Part II). Presented to the level three participants (9 professors) of the cognition research, University of Idaho. (1-hour & 30 minute brown-bag session including activities, handouts, question/answer, and discussion).

Whittington, M. S. & Bowman, G. (January 1995). Creating and evaluating: Sharing your "best kept secrets." Presented to the level three participants (9 professors) of the cognition research, University of Idaho. (1-hour & 30 minute brown-bag session including activities, handouts, question/answer, and discussion).

Whittington, M. S. & Bowman, G. (February 1995). Questioning techniques and discussion method teaching. Presented to the level three participants (9 professors) of the cognition research, University of Idaho. (1-hour & 30 minute brown-bag session including activities, handouts, question/answer, and discussion).

Whittington, M. S. & Bowman, G. (May 1995). Barriers to reaching higher cognitive levels. Presented to the level three participants (9 professors) of the cognition research, University of Idaho. (1-hour & 30 minute brown-bag session including activities, handouts, question/answer, and discussion).

Whittington, M. S. (1997). Classroom behaviors that reach higher cognitive levels: What have we learned? Presented to faculty in the College of Agricultural Sciences, The Pennsylvania State University. (2-hour PowerPoint presentation with handouts, 35 in attendance).

International

Whittington, M. S., & Birkenholz, R. J. (August, 2004). Effective teaching: Revisiting what we know about learning. Presented to the Faculty of Punjab Agricultural University, Ludhiana, India. (2-hour presentation with PowerPoint and handouts. 300 in attendance).

Whittington, M. S., & Birkenholz, R. J. (August, 2008). Effective teaching: Revisiting what we know about learning. Presented to the scientists at the National Academy for Agricultural Research and Management, Hyderabad, India (90-minute Powerpoint presentation with discussion, 65 in attendance).

PAID CONSULTANT EXPERIENCE (SINCE 2000, N = 24)

Texas A & M University. External Reviewer, Graduate Program Review, College Station, TX. (2000).

National FFA Organization. Development and Dissemination Team, LifeKnowledge: Knowledge for Life. Indianapolis, IN (2002-2006).

U.S. – INDIA Agricultural Knowledge Initiative. Lecturer, Capacity Building Faculty Development Workshops (2004-2008).

Ohio Department of Education. Praxis III Assessment Professional. (2003-2008).

University of Michigan-Flint, Kettering University, Mott Community College, and Baker College. QuadPOD Faculty Development Seminar, Lecturer, Improving College Teaching, Flint, MI. (2007).

Did You Know Publishing, Inc. Consultant on cultural proficient strategies for formal and nonformal learning environments. Cincinnati, Oh. (2007 - present).

Tarleton State University. Facilitator, Visioning for the Future, Stephenville, TX. (2008).

Texas Tech University. Lecturer, The John Burns Conference on the Scholarship of Teaching and Learning, Lubbock, TX. (2008).

University of Florida. Lecturer, College of Agricultural and Life Sciences Teaching Enhancement Symposium, Gainesville, FL. (2009).

University of Kentucky. Lecturer, Improving College Teaching, Lexington, KY. (2009).

Texas A & M University. External Reviewer, Undergraduate and Graduate Program Review, College Station, TX. (2010).

University of Nebraska, Lincoln. External Reviewer, Undergraduate Program Review, Lincoln, NE. (2010).

Yuanpei University. Lecturer, Improving College Teaching, Hsinchu, Taiwan. (2011).

USDA/National Institute of Food and Agriculture Division of Community and Education. External Reviewer, Hispanic-Serving Institutions Education Grants Program, Washington, DC. (2012).

Iowa State University. External Reviewer, Department Review, Ames, IA. (2013).

United States Department of Agriculture, National Institute of Food and Agriculture (NIFA), Peer Review Panel, Higher Education Challenge Grants Program, Washington, DC. (2013).

University of Arizona. Workshop and Seminar Presenter, "Toward Cultural Proficiency". Tucson, AZ (2013).

University of Arizona. Chair, National Academic Program Review, Tucson, AZ. (2014).

Texas A & M University. External Grant Reviewer, Higher Education Challenge Grant, College Station, TX. (2015).

American Association for Agricultural Education, Co-Creator and Facilitator, OMEGA II, Powerful Professional Growth (2016).

National Science Teachers Association. Consultant, Real-world Application of Emerging Technologies Program, Washington, DC. (2016-2017).

Texas A & M University. External Reviewer, Undergraduate and Graduate Program Review, College Station, TX. (2017).

Penn State University, University of Kentucky, and Murray State University. Undergraduate Professional Development Seminar, Pittsburgh, PA (2017).

Texas A & M University. Grant External Reviewer, Business and Industry Communications, College Station, TX. (2017-2020).

UNPAID CONSULTANT EXPERIENCE (SINCE 2000)

Virginia Tech University. Adjunct Faculty Member, Master's Thesis Committee for Laura Rose Stacklin, Blacksburg, VA. (2007-2009).

University of Kentucky. External Full Faculty Member, Master's Thesis Committee for Andrea Taylor Kirby, Lexington, KY. (2013-2016).

University of Illinois. Consultant, Agricultural Education Advisory Committee, College of Agricultural, Consumer, and Environmental Sciences, Urbana-Champaign, IL. (2015-2018).

RESEARCH AND TRAINING GRANTS AND CONTRACTS (2,000,000+ FOR MEMBERSHIP ROLES ON PROJECTS/PROGRAMS/TEAMS)

Funded Research, Contracts, and Training Grants

Hatch Projects

Whittington, M. S. Toward a model for increasing cognitive levels of teaching and learning. Hatch project submitted to the Idaho Agriculture Experiment Station. IDA01048AES. (1992-1999)

Scanlon, D. C. & Whittington, M. S. The development of a curriculum framework for agricultural education in Pennsylvania. Hatch project, Pennsylvania Agriculture Experiment Station. Project AES 3588. (1996-2000).

Whittington, M. S. Toward a model for achieving higher cognitive levels of teaching. Hatch project, Pennsylvania Agriculture Experiment Station. (1996-2000).

Whittington, M. S. Alternative dispute resolution strategies, known to be effective with communities, to develop optimally effective approaches for addressing potential community versus large-animal agriculture conflicts. Hatch Project. (2002-2003).

Whittington, M. S. Improving the cognitive capacity of students by fully engaging professors in the teaching and learning process. A five-year research project under the auspices of the Ohio Agricultural Research and Development Center. (2003-2008), (2008-2013).

Whittington, M. S. Describing the current status of pre-service educator preparation in agriscience education at The Ohio State University. A seven-year research project under the auspices of the Ohio Agricultural Research and Development Center. (2014-2021).

Principal Investigator

Whittington, M. S., Birkenholz, R. J., Connors, J. J. & Whittington, P. R. Academy for Teaching and Learning Excellence: A capacity building model. \$60,255. U. S. India Agriculture Knowledge Initiative, National Association of State Universities and Land Grant Colleges (2006-2007).

Co-principal Investigator

Riesenberg, L., Whittington, M. S., & Whittington, P. R. A follow-up study of postsecondary vocational education graduates in Idaho. \$24,508. Idaho State Division of Vocational Education, VE #279. (12,254 each year for the following years: 1991, 1992).

Scanlon, D. & Whittington, M. S. The Mid-Atlantic consortium for reinventing agricultural education 2020. \$20,000. The National Council for Agricultural Education. (1996-1999).

Scanlon, D. & Whittington, M. S. Mid-Atlantic, New England, and Keystone 21 joint initiative. \$7,500 (for New Jersey, Delaware, West Virginia, Maryland, & Pennsylvania and The Mid-Atlantic and New England States). (1997).

Sutphin, D., Scanlon, D., Whittington, M. S., Garton, S., Bacon, R. Keys to unlocking agricultural education in the Mid-Atlantic and Northeast for the 21st century. \$200,000. The Kellogg Foundation. (1998-2001).

Whittington, M. S., Birkenholz, R. J., Connors, J. J. & Whittington, P. R. Addendum to the Academy for Teaching and Learning Excellence: A capacity building model. \$26,808. U. S. India Agriculture Knowledge Initiative, National Association of State Universities and Land Grant Colleges (2006-2007).

Whittington, M. S., Birkenholz, R. J., Connors, J. J. & Whittington, P. R. Academy for Teaching and Learning Excellence: A capacity building model in India. \$78,600. ICAR (2006-2007).

Midla, J, Kuber, P., Bowman, A. S., Forshey, T., Scheer, S., Straquadine, G., Whittington, M. S. Scenario based training of youth exhibitors to mitigate influenza A virus transmission at agricultural fairs. \$20,000. Ohio Department of Health. (2014).

Funded training grants

Whittington, M. S. Toward a model for increasing cognitive levels of teaching and learning. \$10,000. Hatch project submitted to the Idaho Agriculture Experiment Station. IDA01048AES. (\$2500 per year for four years, 1992-1995).

Whittington, M. S. & Whittington, P. R. Developing standards and measures for vocational education in Idaho. \$4746. Idaho State Division of Vocational Education. (1991).

Whittington, M. S. Preservice and Alumni Women in Agricultural Education. \$4350. Idaho State Division of Vocational Education Equity Grants Program. VE #665. (1993).

Scanlon, D. C. & Whittington, M. S. The development of a curriculum framework for agricultural education in Pennsylvania. \$5,000. Hatch project, Pennsylvania Agriculture Experiment Station. Project AES 3588. (\$1000 per year for five years, 1996-2000).

Whittington, M. S. New and beginning teacher induction program for secondary agriculture teachers in Pennsylvania. \$26,000. Pennsylvania Department of Education (through the Director of the Professional Personnel Development Center for Vocational Teacher Education). (\$6,500 per year the following years: 1996-1997, 1997-1998, 1998-1999, 1999-2000)

Hilton, J., Whittington, M. S., Yoder, E. P. & Cromwell, S. Learn today...Lead tomorrow: A double-barreled approach to leadership education. \$6,500. Keystone 21 Grant Program. (1997).

Turgeon, A. L. & Whittington, M. S. Development and evaluation of computer-based asynchronous learning resources for agricultural education. \$9,000. The Pennsylvania State University Fund for Excellence in Learning and Teaching. Granting agency, in addition gave \$1,000 for software, plus part-time staff assistance. (1997-1999).

Bruening, T. H., Scanlon, D. C. Totally engaged in preservice development: From data to new designs. \$300,000. The National Center for Career and Technology Education Research Center (Office of Vocational and Adult Education, Washington, D.C.). (1999-2005, the grant remained at PSU upon my departure to OSU in 2000).

Scanlon, D. The national repository for information. \$266,667. The National Center for Career and Technology Education Dissemination Center (Office of Vocational and Adult Education, Washington, D.C.). (1999-2005, the grant remained at PSU upon my departure to OSU in 2000).

Whittington, M. S. & Warner, K. Characteristics of communities where there is opposition/lack of opposition to large-scale animal agriculture. \$1,000. The OARDC small grants fund. (2001).

Whittington, M. S. Education outreach with the Agricultural Education Society. \$25,000. Solid Waste Authority of Central Ohio (\$6,000 per year for the following years: 2003, 2004; \$9,000, 2005; \$4,000, 2006).

Whittington, M. S. \$9,200. William C. Hauk Memorial Undergraduate University Research Scholarship. (\$1,000 per year for the following students: Moffett, 2004; Berry, 2005; Niedermeir, 2006; Luthman, 2006; Bachman, 2012; McClain, 2017, in review \$4200).

Hoerst, C.M. & Whittington, M. S. Types and cognitive level of questions asked during college classes. \$500. Undergraduate Student Government Academic Grant Committee. (2006).

Connors, J. J., Cano, J. M., & Whittington, M. S. An undergraduate peer-teaching approach to portfolio development across the curriculum. \$5,000. USDA. (2006-2007).

Cano, J. M. & Whittington, M. S. Peer Teaching: A way to enhance learning. \$5,000. USDA. (2006-2007).

Cano, J. M. & Whittington, M. S. Peer Teaching: A way to enhance learning. \$3,400. Price Endowed Chair in Teaching, Advising, and Learning, The Ohio State University. Columbus, OH. (2006-2007).

Zirkle, C., Birkenholz, R. J., Cano, J. M., Connors, J. J., Dohner, R. E. & Whittington, M. S. Capacity building for Career and Technical Teacher Education. \$94,960. Ohio Division of Career, Technical, and Adult Education (2006-2007).

Birkenholz, R. J., Cano, J. M., Connors, J. J., Whittington, M. S. & Zirkle, C. Capacity building for Career and Technical Teacher Education. \$48,440. Ohio Division of Career, Technical, and Adult Education (2006-2007).

Elliot, J., Rudd, R., & Whittington, M. S. Omega I: Powerful Professional Growth. \$200,000. National FFA.

Zartman, M. (with numerous co-investigators). Developing civic leaders: A legacy for the World Food Prize. \$10,000. OSU Cares. (2006-2007).

Zirkle, C., Birkenholz, R. J., Cano, J. M., Connors, J. J., Dohner, R. E. & Whittington, M. S. Capacity building for Career and Technical Teacher Education. \$192,000. Ohio Division of Career, Technical, and Adult Education (2007-2008).

Rhoades, E., Whittington, M. S., Scheer, S., Agunga, R., Connors, J. J. A professional development proposal to enhance teaching through technology in agricultural communication and agricultural education and extension. \$9,433. Price Endowed Chair in Teaching, Advising, and Learning, The Ohio State University (2008).

Birkenholz, R. J., Cano, J. M., Connors, J. J., Whittington, M. S. & Zirkle, C. Capacity building for Career and Technical Teacher Education. \$37,368. Ohio Division of Career, Technical, and Adult Education (2008-2009).

Cano, J. M., Birkenholz, R. J., & Whittington, M. S. Capacity building for Career and Technical Teacher Education. \$93,204. Ohio Division of Career, Technical, and Adult Education (2009-2010=\$31,068; 2010-2011=\$31,068; 2011-2012=\$31,068).

Hall, D., & Whittington, M. S. BioProducts outreach and STEM engagement. \$49,549. USDA Secondary and Two-year Postsecondary Agriculture Education Challenge Grants Program (2010-2012).

Foor, R. (with Whittington, M.S.). Developing cultural competency among CALS student leaders. \$8,715. College of Agricultural and Life Sciences, University of Arizona (2013-2014).

Elliot, J & Rudd, R. (with Whittington, M. S.). OMEGA: Powerful Professional Growth. \$83,500. American Association for Agricultural Education (2016-2017).

Hall, D. (with Whittington, M. S.). Science of Agriculture. \$17,409. Ohio Agricultural and Research and Development Center to Ohio Bioproducts Innovation Center (2016).

Gogolski, J. Preservice Teachers Partnering with GrowNextGen \$50,000. Awarded to Ohio Soybean Council. Batelle Program (2017).

Halper, L. A study of second-year experiences and the STEP program yearly assessment. The Center for the Study of Student Life. The Ohio State University (2019).

Other funding received for academic work and programming

Whittington, M. S. Small travel grant. \$900. University of Idaho Research Foundation. (1993).

Whittington, M. S. International programs Visiting Scholar. \$5,000. Dr. Pochaiiah Maraty from Acharya N. G. Ranga University, Hyderabad, Andhra Pradesh, India. (2001).

Whittington, M. S. Agricultural Education Society program funding. \$3,300. The SOURCE at The Ohio State University. (annually, 2002-2012).

Whittington, M. S. (\$510,656). Price Endowed Chair for Advising, Teaching and Learning. Stipends and fee authorizations for the following students: Ewing, 2004-2006; Foster, 2006-2009; Falk, 2008-2011; Filson, 2010-2012; Jagger, 2013-2016; Giorgi, 2016-2020).

Whittington, M. S. Improving college teaching and learning. \$25,000. Price Endowed Chair in Teaching, Advising, and Learning, The Ohio State University. Columbus, OH. (\$5,000 per time period: 2003-2005, 2005-2007, 2007-2009, 2010-2014, 2016-2017).

Whittington, M. S. Ray travel awards presented to graduate students. The Ohio State University. (\$3000 per the following: Ewing, 2004 = \$450; Foster, 2006 = \$450; Beck, 2008 = \$450; Falk, 2008 = \$450; Jagger, 2008 = \$450; Hoerst, 2012 = \$750; Giorgi, 2017 = \$1,000).

Whittington, M. S. Registrations/Expenses to attend professional development. College of Food, Agricultural, and Environmental Sciences, The Ohio State University. (\$10,550 per the following: NACTA, 2003 = \$500; 2004 = \$500; 2005 = \$500, 2006 = \$250, 2007 = \$250, 2008 = \$250; 2010 = \$250; 2012 = \$750 for Whittington, Robinson, Hoerst; 2013 = \$500; 2014 = \$2000; 2015 = \$2500; 2016 = \$2500).

Whittington, M. S. Agricultural Education Society Advising Funding. (\$7,000). Department of Human and Community Resource Development (2006-2012), Department of Agricultural Communication, Education, and Leadership (2012-present) at The Ohio State University. (\$1,000 annually, 2006-2012).

Jagger, C. B. (\$900). Agricultural Communication, Education, and Leadership Graduate Student Travel Funds. (2008= \$300; 2009= \$300; 2010= \$300).

Whittington, M. S. Describing the cognitive level of discourse of a secondary teacher during an animal science unit of instruction. Summer Research Opportunity Program. \$500. For Ashley N. Batts. (2009).

Falk, J. M. (\$6,000). Impacting the next generation of agriculturalists. The Ohio Soybean Council. (\$2000 annually, 2009-2011).

Cano, J. M., & Whittington, M. S. Beyond the classroom: alternative funding for engaging students in educational experiences. \$3,600. The College of Food, Agricultural, and Environmental Sciences. The Ohio State University. (2010).

Whittington, M. S. Agricultural Education Society program funding. \$6000. Cultural Competency Workshop. The Council on Student Affairs, The Ohio State University. (2008=\$1500; 2011=\$3000; 2012=\$1500)

Whittington, M. S. Building pre-service teacher relationships with Central State. \$400. The Office of Diversity and Inclusion, The Ohio State University. (2011).

Whittington, M. S. Building pre-service teacher relationships with Central State. \$700. The Office of Diversity, Unity, Community, The College of Food, Agricultural, and Environmental Sciences, The Ohio State University. (2011 = \$300; 2012= \$400)

Whittington, M. S. Professional development for AES students. \$1000. CHS Foundation. (2011).

Whittington, M. S. Impacting the next generation of agriculturalists. The Ohio Soybean Council. (2012 = \$2000).

Foster, D. D., Partnerships in Cultural Competence: Penn State and Ohio State Preservice Teachers. \$3300. CHS Foundation. (2012).

Whittington, M. S. Mentoring faculty. \$30,000. Second-Year Transformational Experience Program, The Ohio State University. Columbus, OH. (\$5000 per year 2013, 2014, 2015, 2016, 2017, 2018).

Whittington, M. S. Partnerships in CASE curriculum for Preservice Teachers. \$2100. Ohio Corn and Wheat Grower's Association. (2014).

Ray, T. D., Partnerships in CASE curriculum for Preservice Teachers. \$1000. CHS Foundation. (2014).

Whittington, M. S. Professional development in conducting historical research. \$2260. Price Endowed Chair in Teaching, Advising, and Learning, The Ohio State University. Columbus, OH. (2015).

Whittington, M. S. Investing in the future of public school agricultural education: A CASE inquiry-based approach. \$15,000. Ohio Corn and Wheat Grower's Association. (2016).

Jagger, C. B. (\$1125). Pat & Bobby Moser Endowment. (2016)

Whittington, M. S. Professional development in improving college teaching. \$3000. Price Endowed Chair in Teaching, Advising, and Learning, The Ohio State University. Columbus, OH. (2016).

Whittington, M. S. A Modern Philosophy of Immersion for Preparing Teachers. \$80,000. CHS Foundation. (2016).

Whittington, M. S. Mentoring FIT faculty. \$2000. The Institute for Teaching and Learning, The Ohio State University. Columbus, OH. (annually: 2016, 2017).

Whittington, M. S. Investing in the future of public school agricultural education: A CASE inquiry-based approach. \$15,000. Ohio Corn and Wheat Grower's Association. (2017).

Whittington, M. S. Professional development in AAAE. \$1555. Price Endowed Chair in Teaching, Advising, and Learning, The Ohio State University. Columbus, OH. (2017).

Giorgi, A. J. (\$1000 each year). Pat & Bobby Moser Endowment. (2017 & 2019)

Black, C. (\$1000). Pat & Bobby Moser Endowment. (2017)

Pablo Villa (with Kris Boone, Rebecca Kapusta, and M. Susie Whittington). Professional development for STEP at ATI. \$150,000 annually beginning 2022. General Use Fund Annually, The Ohio State University. Wooster, OH. (2019).

Whittington, M. S. Professional development in NACTA. \$2100. Price Endowed Chair in Teaching, Advising, and Learning, The Ohio State University. Columbus, OH. (2019).

Proposals for research submitted but not funded (since 2000)

Miller, L. Teaching: Its improvement and assessment. Huazhong Agricultural University (HAU), China. \$46,784. John J. and Nancy Lee Roberts Fellowship Program (with two technical assistants including M. S. Whittington). (2003-2004).

Dorrance, A., MacDonald, R., Michel, A., Williams, S., Cochran, G., & Whittington, M. S. Expanding career opportunities through professional masters in plant health management: Developing and testing a distributed learning model. \$149,977. USDA Secondary and Two-year Postsecondary Agriculture Education Challenge Grants Program (2012-2014).

Cano, J. M., Ding, L., Haury, D., & Whittington, M. S. STEM and Agricultural Initiative. \$300,000. National Science Foundation Division of Designing, Developing, and Studying New Structural Models for STEM Learning Environments (2012-2014).

Training grants submitted but not funded (since 2000)

Schuenemann, G., Weiss, W., Rajala-Schultz, P., Croney, C., & Whittington, M. S. Enhancing organic dairy sustainability through collaborative learning: research and eXtension programming. \$1,760,389. Ohio Agriculture Research and Development Integrated Project Proposal.

Wright, M., Bruns, K., & Whittington, M. S. STEMserve. \$303,000. Learn and Serve Grants program at The Ohio State University.

Elliot, J. F., Croom, D. B., Whittington, M. S., & Rudd, R. D. Edocio: Open source curriculum development for teaching STEM in secondary education natural and applied sciences. \$637,400. National Science Foundation Division of Undergraduate Education. (2009 and 2010).

Whittington, M. S., & Brown, D. A World-wide solution to immediacy and relevancy in STEM curriculum for Agricultural Education: Open-source development. \$50,934. USDA Secondary and Two-year Postsecondary Agriculture Education Challenge Grants Program. (2009).

Carlson, J. C., Bacon, K., Whittington, M. S., & Hamilton, L. Project Leadership Education and Agricultural Development (LEAD). \$150,000. USDA Higher Education Challenge Grant. (2007-2008), (2006-2007).

Whittington, M. S. A process for operationalizing the AAAE Teacher Education Standards. \$2500. Ohio Department of Education. (2002-2003).

Whittington, M. S. Beginning agriculture teacher's study and outreach program. \$2790. Ohio Department of Education. (2001-2002).

Whittington, M. S., & Foltz, T. H. Developing a course to train mediators for large-animal conflict. Stakeholder-in-residence. \$25,000. College of Food, Agricultural, and Environmental Sciences, The Ohio State University. (2001-2002).

Stedman, N., Roberts, G., Galindo, S., Barrick, K., Myers, B., Turner, R. E., Ewing, J., Foster, D., Broyles, T., & Whittington, M. S. Preparing faculty for the transformation of agricultural education to engage a changing world. \$940,097. USDA Higher Education Challenge Grants Program.

Hansen, D., Whittington, M. S., Birkenholz, R. J., & Whittington, P. R. Academy for Teaching and Learning Excellence: A capacity building model. \$10,000,000 USAID/India's Agriculture Education and Innovation Systems Project (2011-2016).

Kuber, P., Bowman, A.S., Forshey, T., Scheer, S., Straquadine, G., & Whittington, M.S. Scenario based training of youth exhibitors to mitigate influenza A virus transmission at agricultural fairs.. \$20,000 CEST (2014).

Bertrand, J., & Whittington, M. S. The institute of the scholarship of teaching and learning in the agricultural and related sciences (2013-2015).

Murphrey, T., Leggette, H. (with Whittington, M. S. as evaluator). A model to increase human capital by leveraging the knowledge of agricultural scientists through communication. \$150,000. USDA Higher Education Challenge Grants Program (2015).

Case, L. & Whittington, M. S. Developing a multi-year plan for mobilizing volunteers in agricultural education. \$250,000. National FFA Foundation. (2015-2020).

Hall, D., & Whittington, M.S. Food waste to BioProducts. \$50,000. USDA Secondary and Two-year Postsecondary Agriculture Education Challenge Grants Program (2015-2017).

SUPERVISION OF GRADUATE STUDENT RESEARCH (SINCE 2000 OR LIFE)

Summary	Current	Completed
Doctoral Students (dissertation advisor).	2	8
Masters Students Plan A (thesis advisor, since 1991).	0	36
Doctoral Students (dissertation committee member).	1	25
Masters Students (thesis committee member).	1	7
Honors Students (thesis/examination committee chair).	0	5
Summer Research Opportunities Program Students.	0	1

Masters Students Plan B (project advisor, since 1991)	0	13
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CURRICULUM DEVELOPMENT (SINCE 2000)

- 2000 We took the lead, so they could lead. Taught Leadership Curriculum for student organizations
- 2001 A New Vision for Undergraduate Education, developed cooperatively in department
684.01 Revised for new teacher induction
642 Taught for first time
530 Taught for first time
- 2002 585 experienced major revision: content, offerings, time schedule
530 experienced heavy revisions for labs and lectures
594 Began creating Laboratory Pedagogy and Management
- 2003 Facilitated Greenhouse Production and Management for practicing teachers
594 Laboratory Pedagogy and Management Developed and taught for first time
- 2004 530 winter quarter Developed and taught for nonformal learning environments
693 Developed for practicing teachers to use for study in-depth
993 Individualized study designed to create the distance introductory class
594 Laboratory Pedagogy and Management major revision
999 Research for an undergraduate completing combined masters/bachelors
- 2005 230D Created and taught for transfer/transition students for first time
335 Sophomore Seminar was created and taught for first time
230 Revised during summer to accommodate a Board of Regents request
- 2006 230 Introductory course was changed and taught for first time
230D Changed to reflect the new introductory course
230HE Created and taught for honors students
- 2007 230HE Taught for the first time
730 Created through Independent Study of first-third year teachers
993 Independent Study of first-third year teachers to develop a course
530.01 Piloted Dairy Day with Columbus School for Girls
- 2008 530.01 Created and implemented an authentic, contextual learning experience
730 Pilot-tested for the first time as independent study
Study the Americas!, Conceptualized and pre-planned
100 Taught for the first time
- 2009 812 Re-examined and framed

- 530.02 Assisted in implementing an outreach partnership with Ohio agricultural commodities
- 2010 594 Toward Cultural Proficiency course developed and pilot-tested for first time
812 Pilot-tested for the first time as independent study
All courses recreated by the department for semester conversion
- 2011 888 Re-examined and framed
- 2012 888 Taught for first time
3535 Toward Cultural Proficiency, approved as a university General Education course
3535 Published the course curriculum
- 2013 7300 Created through Independent Study; submitted for approval for online MS course
4519H Created and taught for first time for the College
- 2014 7300 Taught as online MS course for first time
CASE AFNR implemented for pre-service teachers
- 2015 3535 Textbook revision, Toward Cultural Proficiency
- 2016 5230 Textbook revision, Methods of Teaching Agriculture
5230 Partnered with OBIC for Science of Ag Immersion in STEM
- 2017 1100 Revisions with a new team teaching colleague
- 2018 7300 Revisions with Digital Flagship and Institute for Teaching and Learning
- 2019 7300 Revisions with ODEE

PROFESSIONAL DEVELOPMENT ATTENDED (SELECTED LIST SINCE 2003)

- 2003 Praxis III Assessment Certification Training, Ohio Department of Education
- 2004 Re-calibration training, Ohio Department of Education, Praxis III, (4 years)
- 2005 Women's Wellness Training, Ohio Extension Development System, (9 years)
- 2006 OARDC/OSURF Grant Development Training – One-year program
- 2007 President's and Provost's Leadership Institute, Class III, The Ohio State University (2 years)
- 2008 Woven Traditions, Inc, Diversity Workshop to OSU preservice teachers
- 2009 Kagan Multiple Intelligences/Critical Thinking Skills National Seminar
The OSU Women's Place, conference on "The Art of Hosting Meaningful Conversations"

- 2010 Beyond Diversity to Cultural Competency training, The Kirwan Institute on Transforming Race.
- 2011 National Coalition Building Institute Leadership Training: Building Community by Welcoming Diversity
- 2012 National Urban Education Institute Conference
OARDC, Writing Winning Grants Workshop
- 2013 Open Doors – A training in diversity, The Ohio State University
- 2014 Reisch Faculty Book Community, College of Food, Agricultural, and Environmental Sciences, *Academically Adrift*.
- 2015 President’s and Provost’s Teaching & Learning Summit, The Ohio State University
- 2016 1. Mentorship in historical research methodologies, Dr. John Hillison, Blacksburg, VA. 2. FIT: Foundation, Impact, Transformation. The Institute for Teaching and Learning, The Ohio State University. 3. Kouzes Leadership Education, Columbus, OH.
- 2017 1. Active Bystander Training, College of Food, Agricultural, and Environmental Sciences, Office of Diversity and Inclusion, Columbus, OH. 2. Broader Impacts of our Research, Department of Agricultural Communication, Education, & Leadership, Columbus, OH.
- 2018 1. Orientation sessions to lead student education abroad experiences. Office of International Affairs, The Ohio State University, Columbus, OH. 2. Digital Flagship Educator Training, The Ohio State University, Columbus, OH.
- 2019 Instructional ReDesign. University Institute for Teaching and Learning, The Ohio State University, Columbus, OH.

AWARDS, HONORS & OUTSTANDING RECOGNITION

Teaching Awards and Recognitions

- 1996 & 1998 *Outstanding Educator of the Year*, Department of Agricultural and Extension Education, The Pennsylvania State University
- 1997 *Teacher Fellow*, National Association of Colleges and Teachers of Agriculture
- 1997 - 2000 *Member*, UNI-Scope: University Scholarship and Criteria for Outreach and Performance Evaluation, The Pennsylvania State University
- 2004 *Invited Participant*, Associate Dean’s Study Group on Teaching and Learning
- 2006 *Pomerene Department Award for Teaching Excellence*, Department of Human and Community Resource Development, College of Food, Agricultural, and Environmental Sciences
- 2007 *Distinguished Teaching Award*, North Central Region of the American Association for Agricultural Education
- 2007 *Outstanding Agricultural Educator Award*, North Central Region of the American Association for Agricultural Education

- 2008 *Rodney F. Plimpton Outstanding Young Teacher Award*, College of Food, Agricultural, and Environmental Sciences, The Ohio State University
- 2008 *Towers Faculty Award*, Towers Senior Student Honorary, College of Food, Agricultural, and Environmental Sciences, The Ohio State University
- 2008 *Teaching Award of Merit*, Gamma Sigma Delta, College of Food, Agricultural, and Environmental Sciences, The Ohio State University
- 2008 *National Award for Excellence in College and University Teaching in the Food and Agricultural Sciences*, The United States Department of Agriculture, and The Science and Education Resources Development unit of the Cooperative State Research, Education, and Extension Service, and the National Association of State Universities and Land-Grant Colleges (APLU)
- 2008 *Honorary Member*, Teaching Academy, Texas Tech University
- 2009 *Nominee, U.S. Professors of the Year Awards Program*, (Three Nominees from Ohio State), The Carnegie Foundation for the Advancement of Teaching and the Council for Advancement and Support of Education
- 2012 NACTA Eastern Regional Outstanding Teacher Award, North American Colleges and Teachers of Agriculture
- 2015 Teaching Excellence Award, North American Colleges and Teachers of Agriculture
- 2018 Semi-finalist, Alumni Teaching Award, The Ohio State University Alumni Association
- 2019 Nominee, Distinguished Professor (Inaugural Class), College of Food, Agricultural, and Environmental Science, The Ohio State University

Research Awards and Recognitions

- 1992, 1997, *E. B. Knight Journal Award*, NACTA Journal, North American Colleges and Teachers of Agriculture (with co-authors)
- 2002, 2012
- 1994, 2002, 2009, *Outstanding Paper Presentation Award*, American Association for Agricultural Education (with co-authors)
- 1995 & 1998, *Author of the Year Award*, Journal of Agricultural Education, American Association for Agricultural Education
- 1999 *Jack Everly Journal Award*, NACTA Journal, North American Colleges and Teachers of Agriculture
- 2002 & 2004, *Outstanding Poster Presentation Award*, American Association for Agricultural Education (with co-authors)
- 2003 & 2011 *Outstanding Poster Presentation Award*, North Central Region of the American Association for Agricultural Education (with Falk; with Filson)
- 2004 *Outstanding Dissertation Award*, Omicron Tau Theta Honorary (presented to Neil A. Knobloch, Advisor)

- 2006 *Outstanding Dissertation Award*, ACTE Higher Education Division (John C. Ewing, Advisor). Selected as the nominee from The Ohio State University
- 2007 *Outstanding Paper Presentation Award*, Association for Career and Technical Education Research (with Ewing)
- 2007 - 2018 *Outstanding Dissertation Award Nominee*, American Association for Agricultural Educators (2007, John C. Ewing, Advisee; 2010, Daniel D. Foster, Advisee; 2012, Jeremy M. Falk, Advisee; 2013, Caryn M. Filson, Advisee; 2016, Carla B. Jagger, Advisee; 2018, Siti Abdul Latir, Advisee). Each selected as the nominee from ACEL at The Ohio State University
- 2008, 2010 *Second Place Author of the Year Award*, Journal of Agricultural Education, American Association for Agricultural Education (with first authors)
- 2008, 2011 *Third Place Outstanding Poster Presentation Award*, American Association for Agricultural Education (with co-authors)
- 2009 *Pennsylvania State University Buck Award*, outstanding journal article competition for non-tenured faculty for Ewing & Whittington, "Types and cognitive levels of questions asked by professors during college of agriculture class sessions". Journal of Agricultural Education, 48(3), 91-99
- 2011 *Second Place Outstanding Research Poster Presentation Award*, American Association for Agricultural Education (overall category, with Filson)
- 2011 *Distinguished Researcher Award*, North Central Region of the American Association for Agricultural Education
- 2012 *Distinguished Researcher Award*, American Association for Agricultural Education
- 2013 *First Place Social Sciences Award*, CFAES Undergraduate Research Forum, College of Food, Agricultural, and Environmental Sciences, The Ohio State University (with Nicole Steinmetz and Suzie McMullen)
- 2014 *Second Place Outstanding Poster Presentation Award*, North Central American Association for Agricultural Education (with Jagger)
- 2019 Learning Outcomes Assessment Award of Distinction, College of Food, Agricultural, and Environmental Sciences, The Ohio State University (led by Caryn Filson, with Amanda Bowling and Tracy Kitchel)
- 2019 *Silver Award (second place outstanding presentation)*, Putra InnoCreative Competition, Putra InnoCreative Carnival in Teaching and Learning (with Abdul Latir)

Advising/Mentoring Awards and Recognitions

- 2003 *Outstanding New Activity Award*, College of Food, Agricultural, and Environmental Sciences (Advisor, presented to the Agricultural Education Society for District Officer Training), The Ohio State University
- 2003 *White Glove Award*, Keep Franklin County Beautiful (Advisor, presented to the

- Agricultural Education Society for Solid Waste Authority of Central Ohio education outreach), Columbus, OH
- 2005 *Ed Johnson Outstanding Student Organization*, College of Food, Agricultural, and Environmental Sciences (Advisor, presented to the Agricultural Education Society), The Ohio State University
- 2006&2011 *Beanie Drake*, Scholarship Recognition Faculty Invitee (2006, Meredith Logsdon and Amanda Gamble; 2011, Hannah Crossen and Dustin Homan), The Ohio State University
- 2007 *Outstanding Student Organization Program Award*, The Ohio Union and The Office of Student Affairs, The Ohio State University (presented to the Agricultural Education Society, Advisor) for Scarlet and Gray Ag Day
- 2007-2019 *Sphinx Mentor Faculty Recognition* (2007, Laura Stacklin; 2008, Annie Specht; 2012, Hannah Crossen; 2013, Derek McCracken; 2014, Amy Jo Frost; 2015, Caitlyn Black & Alex Biddle; 2016; 2019, Sam Kozial), The Ohio State University
- 2007&2010 *President's Undergraduate Salute Faculty Selection* (2007, Annie Specht; 2010, Meredith Gilbert), The Ohio State University
- 2007 *Alpha Tau Zeta Faculty Recognition*, The Ohio State University
- 2008- 2019 *Mortarboard Mentor Faculty Recognition* (2008, Danielle Hulit; 2012, Jodi Wildermuth; 2015, Evan Butler; 2019, Nathan Grine), The Ohio State University
- 2008 *Outstanding Student Organization Advisor Award*, The Ohio Union and The Office of Student Affairs, The Ohio State University
- 2009 *Honor Roll Member with Distinction*, Ohio Staters, Inc. (Co-Advisor), President's Higher Education Community Service Honor Roll by the Corporation for National and Community Service
- 2009&2011&2013 *Ed Johnson Outstanding Student Organization*, Top 3, College of Food, Agricultural, and Environmental Sciences (Advisor, presented to the Agricultural Education Society), The Ohio State University
- 2009 *Certificate of Recognition*, in support of Hannah Crossen's term as FFA Eastern Region Vice President, The National FFA Organization
- 2009 *Star Student Support*, Student Council, College of Food, Agricultural, and Environmental Sciences, The Ohio State University
- 2010 *Outstanding Academic Mentoring Award*, College of Food, Agricultural, and Environmental Sciences, The Ohio State University
- 2010 *Outstanding Student Organization Collaboration Award*, The Ohio Union and The Office of Student Affairs, The Ohio State University (presented to the Agricultural Education Society, Advisor) for collaborating with Alpha Zeta Partners on Point of View: Mealtime Around the World

- 2010&2012-2014&2016&2018 *University Outstanding Senior Mentor Faculty Recognition (2010, Meredith Gilbert; 2012, Krystin Bonacci; 2013, Nicole Steinmetz; 2014, Amy Jo Frost; 2016, Shelby Faulkner; 2018, Ryan Goddard), The Ohio State University*
- 2011&2012 *Tower's Mentor Faculty Recognition (2011, Katie Miller; 2012, Nicole Steinmetz), College of Food, Agricultural, and Environmental Sciences, The Ohio State University*
- 2011 *Outstanding Student Organization Program Award, The Ohio Union and The Office of Student Affairs, The Ohio State University (presented to the Agricultural Education Society, Assistant Advisor) for All Walks of Life, All Buckeyes, McCaslin Cultural Competency Workshop*
- 2011 *Outstanding Student Organization Innovation Award, The Ohio Union and The Office of Student Affairs, The Ohio State University (presented to the Agricultural Education Society, Assistant Advisor)*
- 2011 *Outstanding Student Organization Collaboration Award, The Ohio Union and The Office of Student Affairs, The Ohio State University (presented to the Agricultural Education Society, Advisor) for collaborating with Student Alumni Council on 5 Under 25*
- 2012 *Outstanding Student Organization Innovation Award, The Ohio Union and The Office of Student Affairs, The Ohio State University (presented to the Agricultural Education Society, Advisor) for District officer Training between AES, FFA Camp, & OAAE District 8*
- 2012 *University Kaplan Humanitarian Award Mentor Faculty Recognition (2012, Shubham Bakshi), The Ohio State University*
- 2012 *Outstanding Faculty Member, Inaugural Academic Excellence Reception, Panhellenic Association and The Interfraternity Council, The Ohio State University*
- 2013 *Outstanding Student Organization Programming Award-Collaboration, The Ohio Union and The Office of Student Affairs, The Ohio State University (presented to the Agricultural Education Society, Advisor) for McCaslin Cultural Competency Workshop between AES, Multicultural Center, & Fraternity and Sorority Life*
- 2013, 2015, 2016 *True Mentor Recognition (2013, Nicole Steinmetz & Derek McCracken; 2015, Caitlyn Black; 2016, Shelby Faulkner), College of Food, Agricultural, and Environmental Sciences, The Ohio State University*
- 2013-2015 *Farmhouse Fraternity Faculty Recognition, The Ohio State University*
- 2013 *CAACURH Student Organization of the Month, Central Atlantic Affiliate of College and University Residence Halls (presented to the Agricultural Education Society, Advisor)*
- 2013 & 2016 *North American Colleges and Teachers of Agriculture Graduate Student Teaching Award (2013, Caryn Filson; 2016, Carla Jagger).*

- 2014 *Student Organization of the Month*, National College and University Residence Halls (presented to the Agricultural Education Society, Assistant Advisor)
- 2016 *University Gottsegen Leadership Award Mentor Faculty Recognition (2016, Jarred Shellhouse)*, The Ohio State University
- 2019 *Spirit Award*, The Ohio Union and The Office of Student Affairs, The Ohio State University (presented to Ohio Staters, Inc., Co-Advisor, 14 advisors)
- 2019 *Outstanding Overall Student Organization Award*, The Ohio Union and The Office of Student Affairs, The Ohio State University (presented to Ohio Staters, Inc., Co-Advisor, 14 advisors)

Professional Awards and Recognitions

- 1982 *Honorary Chapter Degree*, The Wellington FFA Chapter (to Pat and Susie Whittington)
- 1991 *Honorary Alumnus*, University of Idaho Alumni Association, The University of Idaho
- 1991 *Honorary Member*, The Agricultural Education Society, The Ohio State University
- 1994 *Honorary State Degree*, Idaho FFA Association. Boise, Idaho
- 1998 *Honorary Member*, Cowanesque FFA Chapter. Warfordsburg, Pennsylvania
- 1999 *Honorary Member*, West Snyder FFA Chapter. Snyder, Pennsylvania
- 1999 - 2000 *Member*, TLC: Provost's Teaching and Learning Consortium, The Pennsylvania State University
- 2000 *Distinguished Service*, The Pennsylvania Governor's Schools of Excellence, The Pennsylvania State University
- 2000 *Leadership Award*, West Snyder FFA Chapter
- 2002 *Outstanding Service to Students Award*, College of Food, Agricultural, and Environmental Sciences, The Ohio State University
- 2002 *Excellence in Online Faculty Satisfaction Award*, Sloan-C, The Pennsylvania State University, awarded to the members of UNI-Scope
- 2007 *Selected Participant*, President and Provost's Leadership Institute, The Ohio State University (20 selected)
- 2007 *Josephine Sitterle Failer Award*, for outstanding service to Ohio State students, OSU Alumni Association, The Ohio State University (3 selected)
- 2009 *AAAE Academy of Fellows*, American Association for Agricultural Education (first woman inductee)
- 2010 *Dedicatee*, Annual Recognition Banquet: 4Ever Young, College of Food, Agricultural, and Environmental Sciences

- 2010 *Ten Year Service Award*, Ohio Agricultural Research and Development Center, The Ohio State University
- 2011 *Honorary Inductee*, Bucket and Dipper Junior Class Honorary, The Ohio State University
- 2012 *Faculty Invitee*, Homecoming Court Reunion, The Ohio State University
- 2013 *Invited Guest*, Distinguished Diversity Awards (guest of CFAES Diversity Catalyst Team), The Ohio State University
- 2013 *Selected Host/Mentor*, Dr. Julie Harlan, Visiting Professor from Texas A & M University, Women Role Models in Agricultural Leadership, Education, and Communications Series, College Station, TX, (4 days)
- 2015 *Member*, Provost's Teaching Summit Planning Committee, The Ohio State University

OUTREACH & SERVICE ACTIVITIES

Professional

- Journal/Proceedings/Poster Reviewer, 2000-present
 - *Journal of Agricultural Education*
 - *Journal of Career and Technical Education*
 - *Career and Technical Education Research*
 - *Association for Education Research*
 - *North American Colleges and Teachers of Agriculture Journal*
 - AAAE National Agricultural Education Research Conference
 - AAAE North Central Region Agricultural Education Research Conference
 - AAAE Southern Region Agricultural Education Research Conference
 - AAAE Western Region Agricultural Education Research Conference

Professional Organization Offices (elected)

- *Historian*, American Association for Agricultural Education Western Region, 1994-1996
- *Western Region Editor*, American Association for Agricultural Education, The Agricultural Education Magazine, 1993-1995
- *Editing-Managing Board*, American Association for Agricultural Education, Journal of Agricultural Education, Western Region, 1993-1995
- *Editing-Managing Board*, American Association for Agricultural Education, Journal of Agricultural Education, Eastern Region, 1996-1999
- *Historian/Membership Chair*, Omicron Tau Theta National Vocational Education Honorary, The Pennsylvania State University, 1996-1997

- *Vice President for Membership*, Phi Delta Kappa Professional Education Fraternity, The Pennsylvania State University, 1996-1998
- *Eastern Region Editor*, American Association for Agricultural Education, The Agricultural Education Magazine, 1996-1998
- *Recording Secretary*, Association for Career and Technical Education Research (formerly AVERA), 2001-2003
- *Secretary*, American Association for Agricultural Education, 2003-2005
- *President*, Association for Career and Technical Education Research (formerly AVERA), 2004
- *Charter Board of Directors*, The Academy for Career and Technical Teacher Education (ACTTE), 2005-2008
- *Eastern Region Director*, North American Colleges and Teachers of Agriculture, 2007-2010
- *President-elect*, American Association for Agricultural Education, 2009-2010
- *President*, American Association for Agricultural Education, 2010-2011
- *Past President*, American Association for Agricultural Education, 2011-2012
- *Fellows Selection Committee*, American Association for Agricultural Education, 2019-2020

Professional Organization Service (other than elected offices)

American Education Research Association

- Review Panelist, American Education Research Association Conference, 2009 (pilot testing a new comprehensive review system)
- Reviewer, (2009-2012).

Association for Career and Technical Education (formerly) American Vocational Association

- Chair, Professional Development Committee, Agricultural Education Division, American Vocational Association, 1995
- Member, National Public Information Committee, Agricultural Education Division, American Vocational Association, 1996-1999
- Member, National Agricultural Education Policy Committee, Agricultural Education Division, Association for Career and Technical Education, 2009-2012

Association for Career and Technical Education Research

- Member, 1991- present
- Member, Editorial Board, Journal of Career and Technical Education Research, 2015-2018

American Association for Agricultural Education

- National Work Group on Developing Leadership, American Association for Agricultural Education, 1993-1995
- Chair, Outstanding Research Presentation Selection Committee, American Association for Agricultural Education, 1995
- Member, Selection Committee, Outstanding Young Member for Southern Region, 1996
- Chair, Ad hoc Committee, copyright study of the Journal of Agricultural Education, 1996
- Panel Member, Reaching New Audiences, concurrent session, American Association for Agricultural Education national meeting, 1997
- Member, Selection Committee, Author of the Year for Outstanding Journal Article, American Association for Agricultural Education, 1997, 1999, 2005
- Member, National Research Committee, American Association for Agricultural Education, 1996, 1997
- Chair, Eastern Region Poster Session, American Association for Agricultural Education, 1996-1998
- Member, Program Improvement Committee, American Association for Agricultural Education Eastern Region, 1998-2000
- Chair, Professional Development Committee, American Association for Agricultural Education Eastern Region, 1998-1999
- Member, Professional Development Standing Committee, American Association for Agricultural Education, 2001-2003
- Co-chair, Inaugural North Central Region Conference, American Association for Agricultural Education, 2003
- Member, Member Services Standing Committee, American Association for Agricultural Education, 2004-2006
- Discussant, National Agricultural Education Research Conference, American Association for Agricultural Education, 2004, 2011, 2013, 2016
- Keynote Speaker, National Professional Development Workshop, American Association for Agricultural Education, 2008
- Member, Academy of Fellows Standing Committee, American Association for Agricultural Education, 2009-present
- Conference Coach, to mentor first-time attenders and beginning professors, American Association for Agricultural Education, 2010-2017

- Chair, Fellows Committee, American Association for Agricultural Education Eastern Region, 2011-2012
- Chair, Executive Director Search Committee, American Association for Agricultural Education Eastern Region, 2011
- Discussant, North Central Agricultural Education Research Conference, American Association for Agricultural Education, 2011
- Nominator, Senior Fellow Award, American Association for Agricultural Education (Dr. Lloyd Bell, 2013; Dr. Greg Miller, 2014)
- Co-Coordinator, National Caucus on Teacher Education, American Association for Agricultural Education, 2014
- Nominating Committee, American Association for Agricultural Education, 2014
- Judge, National outstanding Research Paper Presentation Award, American Association for Agricultural Education, 2014
- Reviewer, Promotion and Tenure dossier, Texas A & M, 2014
- Panelist, Develop National Research Agenda, American Association for Agricultural Education, 2015
- Program Chair, Teacher Education Caucus, American Association for Agricultural Education, 2015
- Panelist, Develop National Professional Standards, American Association for Agricultural Education, 2015
- Donor, Outstanding Dissertation Award, American Association for Agricultural Education (2015-present)
- Co-Chair, Research Conference, North Central Region, American Association for Agricultural Education (with Buck), 2016
- Judge, National Outstanding Thesis Award, American Association for Agricultural Education, 2016
- Member, Strategic Planning Committee, 2017
- Invited Mentor, Leadership Academy, American Association for Agricultural Education, 2019-2020 (2019: Dr. Kate Shoulders, University of Arkansas)
- Co-Chair, North Central Region, American Association for Agricultural Education (with Buck), 2020

National FFA Organization

- Advisor Coordinator, First Advisor Coordinator for the Washington Conference Program (now Washington Leadership Conference), the National FFA Organization, 1985
- Member, Local Program Success, Planning/Marketing Task Force of the National FFA Organization, 1996

- Member, National FFA Organization Development Team for LifeKnowledge Leadership Curriculum, 1999-2006
- Member, National FFA Organization 10 x 15 Initiative, Advocacy Working Group, 2000-2003
- Member, National FFA Organization Taskforce to examine the national officer selection process, 2005-2006
- National Tri-coordinator, OMEGA: Powerful Professional Growth Conference for Non-tenured Professors, 2006-07 & 2015-2016

National Council for Agricultural Education

- Member, Reinventing Agricultural Education 2020 National Steering Committee, The National Council for Agricultural Education, 1996-1999
- Member, Mid-Atlantic Consortium Regional Visioning Task Force, The National Council for Agricultural Education, 1996-1999
- Member, Planning Committee for 5-Star Consortium (Maryland, Pennsylvania, New Jersey, West Virginia, Delaware) Visioning Conference, Hershey, PA., The National Council for Agricultural Education, 1997
- Member, Steering Committee for 5-Star Consortium, The National Council for Agricultural Education, 1997-2000
- Participant, National Agricultural Education Summit, Indianapolis, IN, 2000-2003, 2007, 2009
- Selected participant, National Agricultural Education 10 x 15 Initiative, Advocacy Team, 2007
- Director, The National Council for Agricultural Education, 2009-2012
- Member, Agricultural Education Learning Center Advisory Committee, 2009-2012
- Member, National Agricultural Education 2011 Summit Planning Committee, 2009-2011
- Member, National CASE Curriculum Advisory Committee, 2010-2012
- Chair, Strategic Planning Subcommittee on Critical Issues, 2010-2011
- Member, Executive Board, 2010-2011

Ohio FFA Organization

- Presenter, Ohio FFA Officer Training (2012-present)
- Judge, Models of Innovation, 2014

National FFA Alumni

- Member, National Board of Directors, The National FFA Alumni Council, 2014-2016

North American Colleges and Teachers of Agriculture

- Member, Committee for the Improvement of Teaching, North American Colleges and Teachers of Agriculture, 1997-1999
- Program Co-chair, 2005 North American Colleges and Teachers of Agriculture Conference Planning Committee, 2004-2005
- Interim Chair, International Committee, North American Colleges and Teachers of Agriculture, 2007-2008
- Member, Journal Review Board, North American Colleges and Teachers of Agriculture, 2012-2017
- Member, National Conference Host Planning Committee, North American Colleges and Teachers of Agriculture, 2017-2021

Ohio Association for Agricultural Educators

- Mentorship Committee, (2003-2006). Ohio Association for Agricultural Educators. Columbus, OH.
- Donor, Outstanding New Teacher Award (2016-present), Ohio Association for Agricultural Educators.

Ohio Department of Education

- Member, Ohio Agricultural Education Community, (2000-present). Ohio Department of Education, Columbus, OH.
- Selected Panelist, (2008). Praxis Series Standard Setting Study, Educational Testing Service, Columbus, OH.
- Member, Agbioscience Sector Advisory Board, (2012). Ohio Department of Education, Columbus, OH.
- Reviewer, Agricultural Education Online Preliminary Framework, (2013). Ohio Assessments for Educators (OAE), Columbus, OH.
- Reviewer, Ohio Assessment for Educators Agriculture Content Test (2014). Pearson, Columbus, OH.

Alpha Tau Alpha

- Judge, (2014). National Essay Competition (12 essays judged).

Council for Advancement and Support of Education

- Member, 2015

Other professional service

- Planning Team, (1985-1987). National Women in Agriculture Conference, Columbus, OH.
- Reviewer, (1999). Pennsylvania agriculture content test, Educational Testing Service, College Park, PA.
- Reviewer, (1999). Lee, J. S. Program Planning Guide for Agriscience and Technology Education. Atlanta: Vero Media, Inc.
- External Reviewer (2000-present). Promotion and Tenure packets for 26 associate and full professors at numerous sister institutions.
- Invited Key Leader, (2008) “Forum on Agricultural Education: Visions for the Future”. University of Illinois, Champaign-Urbana
- Invited Writer, (2012) “Leadership Curriculum Development Project”. National Postsecondary Agriculture Student Organization, Fresno, CA

University, College, & Department Campus Outreach and Service (SINCE 2000)

University

- *Life Member*, The Ohio State University Alumni Association
- *Reviewer*, OSU Maximus Competition, 2004-present
- *Member*, University Honors Advisory, 2005-2010
- *Member*, The Ohio State University President’s Club, 2004-present
- *Judge*, The Ohio State University Denman Undergraduate Research Forum, 2004 & 2005, 2011
- *Faculty Advisor*, The Ohio Staters, Inc., University-wide undergraduate student service organization, The Ohio State University, 2007-present
- *Member*, Ohio Union Brick Society, 2008
- *Judge*, 48th Annual University Leadership Awards, Ohio Union Activities Board, 2009
- *Faculty Cluster Facilitator*, LeaderShape Ohio State, The Ohio State University, 2009
- *Reviewer*, Buckeye Book Community Essay competition, The Ohio State University, 2009-present
- *Host*, Ohio Stater’s, Inc. Quarterly Bull Session, The Ohio State University, 2009, 2011-2013, 2014-2016
- *Invited Member*, Woodrow Wilson Program Advisory Board, The Ohio State University, 2010-2011
- *Invited Participant*, Conversation to Vitalize Student Evaluation of Instruction, The Ohio State University, 2011

- *Invited Participant*, Conversation on Meaningful Recognition for Faculty Achievements, The Ohio State University, 2011
- *Member*, Union Leadership Society, The Ohio State University, 2011
- *Member*, Homecoming Court Selection Committee, The Ohio State University, annually 2011 -2013, 2014
- *Chaperone*, Alternative Spring Break- Brown/Adams Counties, Office of Access, The Ohio State University, annually 2012, 2013, 2015
- *Invited Inaugural Mentor*, Second-year Transitional Education Program (STEP), The Ohio State University, 2013-2017
- *Invited Mentor*, Louis Stokes Academic Mentoring Program (LSAMP), The Ohio State University, 2014, 2015
- *Member*, Forms Committee, College of Education and Human Ecology, The Ohio State University, 2014
- *Member*, Staff Selection Committee, Office of Student Life, The Ohio State University, 2014
- *Faculty Mentor/Facilitator*, OSU Leadership Collaborative, The Ohio State University, 2014
- *Invited Mentor*, OSU Young Alumni, The Ohio State University Alumni Association, 2014
- *Invited Member*, Planning Committee for Summer Teaching Summit, The Ohio State University, 2015
- *Invited Pilot Test Reviewer*, BuckeyeLearn, The Ohio State University, 2015
- *Co-Advisor*, Romophos, Sophomore Honorary, The Ohio State University, 2015-present
- *Reviewer*, Department of Student Activities, Office of Student Life, The Ohio State University, 2016
- *Selected Mentor*, iCONNECT Day, iBELIEVE Foundation, 2016
- *Invited Nominating Committee Member*, Board of Directors, The Ohio State University Alumni Association, 2016-2017
- *Selected Mentor*, FIT: Foundation, Impact, Transformation. The Institute for Teaching and Learning, The Ohio State University, 2016-2017 - present
- *Presidential Appointed Member*, Council on Academic Affairs. Faculty Council, The Ohio State University, 2016-2017 (one appointed per year)
- *Invited Committee Member*, University-Level Advisory Committee for General Education, Council on Academic Affairs. Faculty Council, The Ohio State University, 2016-present
- *Invited Committee Member*, University Committee on Syllabus Reconstruction, Council on Academic Affairs. Faculty Council, The Ohio State University, 2017-2018

- *Stater Banquet Advisor*, Ohio Staters, Inc., 2015-present
- *Director, Second-year Transformational Experience Program*, 2017-present
- *Member*, STEP Executive Steering Committee, The Ohio State University, 2017-present
- *Invited Committee Member*, American Talent Initiative, The Ohio State University, 2017-present
- *Member*, Leadership Team, Office of Student Academic Success, The Ohio State University, 2017-present
- *Co-Host*, Michigan State University, STEP overview and tour, 2018
- *Host*, Dr. John Gardner, Dr. Barbara Tobolowski, Guest lecturers from the Gardner Institute, STEP Expo and Lecture, 2019
- *Invited Board Member*, LSAMP Advisory Board, The Ohio State University, 2020-present
- *Invited Advisory Council Member*, CIRTL (Center for Integration of Research, Teaching, and Learning), The Ohio State University, 2020-present

Graduate School

- *Grad Representative*, Dissertation defense (1 per term), The Ohio State University, 2000-2018

Department

- *Member*, Department of Agricultural Communication, Education, & Leadership Graduate Faculty, 2000-present
- *Member*, Department of Human and Community Resource Development Undergraduate Studies Committee, 2000-2006
- *Member*, Agricultural Education Scholarship Selections Committee, 2000-2011
- *Liaison*, Ohio Association for Agricultural Educators, Ohio Department of Education, HCRD for new teacher induction programming, 2000-2009
- *Host*, Agricultural Education Society annual Executive Board transition retreat, 2000-2014
- *Member*, Department of Human and Community Resource Development Teaching Committee, 2000-2002
- *Faculty Mentor*, Department of Human and Community Resource Development, James Connors, 2000-2006
- *Adviser*, Agricultural Education Society Undergraduate Organization, 2000-2014
- *Member*, Department of Human and Community Resource Development Recognitions Committee, 2002-2004
- *Chair*, Undergraduate Studies Committee, 2002-2004

- *Chair*, Agricultural Education Scholarship Selections Committee, 2002-2004
- *Honors Coordinator*, Department of Human and Community Resource Development, 2003-2008
- *Chair*, Department of Human and Community Resource Development Search Committee for Agricultural Communication Professor, 2006
- *P&T Coordinating Committee Member*, Department of Human and Community Resource Development, Emily Rhoades, 2006-2009
- *Program Leader*, Agricultural Teacher Education, 2006-2008
- *Coordinator*, Early Field Experience, Department of Human and Community Resource Development, 2006-2008
- *Member*, Department of Human and Community Resource Development Search Committee for Curriculum Materials Service Director, 2007
- *Host*, Dr. Grady Roberts, Visiting Professor from Texas A & M University, College Station, TX, (4 days), 2007
- *Host*, Mr. Bernard Scott, Distinguished Alumni recipient from the College of Food, Agricultural, and Environmental Sciences, 2007
- *Host*, Dr. V. K. Diliwari, Visiting Professor from Punjab Agricultural University, Ludhiana, India, (3 days), 2007
- *Host*, 11 visiting professors/scientists from Punjab Agricultural University, Acharya N. G. Ranga Agricultural University, Chandra Shekar Azad University of Agriculture and Technology, Orissa University of Agriculture and Technology, and the National Academy for Agricultural Research and Management, (20 days), 2008
- *Invited Participant*, “Futuring Focus Group”, Ohio Curriculum Materials Service, Columbus, OH, 2008
- *Host*, Department of Human and Community Resource Development Retirees Luncheon, Columbus, OH, 2008
- *Undergraduate Coordinator*, Department of Human and Community Resource Development, 2008-2017
- *Co-nominator and Co-host*, Dr. Blannie Bowen, Distinguished Alumni recipient from the College of Food, Agricultural, and Environmental Sciences (with J. Robert Warmbrod), 2009
- *Faculty Mentor*, Department of Human and Community Resource Development, Robert Agunga, 2009-2010
- *Member*, Department of Human and Community Resource Development Executive Committee, 2009-2010
- *Chair*, Department of Human and Community Resource Development Teaching Committee, 2009-2010

- *Member*, Department of Agricultural Communication, Education and Leadership Graduate Studies Committee, 2009-present
- *Member*, Department of Human and Community Resource Development Committee to Rename the Department, 2009-2010
- *Chair*, Department of Human and Community Resource Development Academic Affairs and Teaching Committee, 2010-2011
- *Chair*, Department of Human and Community Resource Development Teaching and Learning SPRIG, 2010-present
- *Host*, Dinner for 12 Buckeyes. Agricultural Education Society, annually 2010-2014
- *Member*, Department of Agricultural Communication, Education & Leadership Promotion and Tenure Committee, 2011-present
- *Host*, CASE (Curriculum for Agricultural Science Education) National Curriculum Institute, Department of Agricultural communication, Education, and Leadership, annually 2011-2016
- *Tri-Host*, Urban Agricultural Education Initiative. Teaching and Learning SPRIG, Department of Human and Community Resource Development, 2011
- *P&T Committee Member*, Department of Agricultural Communication, Education, & Leadership, 2012-present
- *Co-nominator and Co-host*, Dr. L.H. Newcomb, Meritorious Service Alumni recipient from the College of Food, Agricultural, and Environmental Sciences (with J. Robert Warmbrod), 2012
- *Chair*, Department of Agricultural Communication, Education & Leadership Academic Affairs and Teaching Committee, 2010-present
- *Member*, Department of Agricultural Communication, Education & Leadership Graduate Studies Committee, 2012-present
- *Co-director*, Women's Wellness Weekend, Ohio State University Extension, 2013 & 2014
- *Host*, AAAE Alumni Luncheon, The Ohio State University, San Antonio, TX 2015
- *Peer Reviewer*, Peer Review of Teaching, Annie Specht, Department of Agricultural Communication, Education & Leadership, 2016
- *Nominator and Host*, Dr. Wes Budke, Meritorious Service Alumni recipient and Dr. Jack Elliot, Distinguished Service Alumni recipient from the College of Food, Agricultural, and Environmental Sciences, 2016
- *Co-chair*, 100th Anniversary of ACEL Celebration Committee, Fundraising, 2016-2017 (raised \$150,000+)
- *Director of Undergraduate Studies*, 2017-present
- *Member*, Diversity and Inclusion Committee, 2017

- *POD*, Promotion and Tenure Committee, ACEL, 2018-2019
- *Member*, Undergraduate Research Exam Committee, Abby Motter, 2019
- *Chair*, Promotion and Tenure Committee, 2019-2020

College

- *Faculty Friend*, College of Food, Agricultural, and Environmental Sciences Living Learning Community in Norton-Scott, 2002-2004, 2011-2012
- *Member*, College of Food, Agricultural, and Environmental Sciences Library Committee, 2002-2004
- *Greeter*, College of Food, Agricultural, and Environmental Sciences Annual Alumni FallFest, 2002- 2011
- *Member*, College of Food, Agricultural, Environmental Sciences Honors Committee, 2003-2008
- *Judge*, College of Food, Agricultural, and Environmental Sciences Undergraduate Research Forum; annually, 2004- 2012
- *Chair*, College of Food, Agricultural, Environmental Sciences Honors Committee, 2005-2008
- *Member*, College of Food, Agricultural, and Environmental Sciences Associate Dean Search Committee, 2007
- *Member*, College of Food, Agricultural, and Environmental Sciences Top 10 Seniors Selection Committee, 2006, 2011
- *Chair*, Honors Study America Taskforce, College of Food, Agricultural, Environmental Sciences, 2007-2009
- *Invited Participant*, International Programs Office Internal Review, College of Food, Agricultural, and Environmental Sciences, The Ohio State University, 2007
- *Member*, College of Food, Agricultural, and Environmental Sciences Library Study Group, 2008
- *Member*, College of Food, Agricultural, and Environmental Sciences Strategic Planning Committee, 2008
- *Reviewer*, Rodney F. Plimpton Outstanding Young Teacher Award, College of Food, Agricultural, and Environmental Sciences, The Ohio State University, 2009
- *Reviewer*, Gamma Sigma Delta Teaching Award of Merit, College of Food, Agricultural, and Environmental Sciences, The Ohio State University, 2009
- *Member*, Quarter to Semester (Q2S) Conversion Committee, College of Food, Agricultural, and Environmental Sciences, 2009-2011
- *Member*, Culture Transformation Steering Committee, College of Food, Agricultural, and Environmental Sciences, 2010

- *Member*, Planning Committee, Ohio Bioproducts Innovation Center Ideation Workshop, College of Food, Agricultural, and Environmental Sciences, 2010
- *Member*, CFAES Recognition Program Awards Selection Committee, College of Food, Agricultural, and Environmental Sciences, 2010-2012
- *Member*, ATI Re-envisioning Committee, College of Food, Agricultural, and Environmental Sciences, 2013-2014
- *Facilitator*, Reisch Book Community, College of Food, Agricultural, and Environmental Sciences, 2013 & 2014 (1 session each year)
- *Member*, Promotion and Tenure Committee, College of Food, Agricultural, and Environmental Sciences, 2013-2016
- *Member*, OSU-ATI Re-envisioning Action Team Leader, College of Food, Agricultural, and Environmental Sciences, 2015
- *Invited Participant*, Annual Recognition Banquet, College of Food, Agricultural, and Environmental Sciences, 2015
- *Member*, Gwenn Conservation Advisory Committee, Farm Science Review, College of Food, Agricultural, and Environmental Sciences, 2015
- *Judge*, Ohio 4-H Skillathon, College of Food, Agricultural, and Environmental Sciences, 2015- present
- *Member*, Crisis Intervention Team, College of Food, Agricultural, and Environmental Sciences, 2015
- *Member*, College Assessment Team, College of Food, Agricultural, and Environmental Sciences, 2015-2017
- *Member*, College Investigative Committee, College of Food, Agricultural, and Environmental Sciences, 2015-2016
- *Member*, Search Committee, ATI Director, College of Food, Agricultural, and Environmental Sciences, 2016
- *Judge*, College of Food, Agricultural, and Environmental Sciences OARDC Research Annual Conference Graduate Student Poster Competition, 2019

COMMUNITY ACTIVITIES (SELECTED LIST SINCE 2000)

- *Season Ticket Holder*, The Ohio State University Football, 2000-present
- *Sunday School*, Teacher, Lay Leader, Administrative Council Chair, 2000-2007
- *Member*, Buckeye Valley High School Strategic Planning Committee, 2002-2006
- *Member*, Mother/Daughter Book Club, 2004-2015
- *Member*, Buckeye Valley High School Agricultural Education Advisory, 2006-2009
- *Usher*, The Ohio Star Ball, 2006-2013

- *Member*, The New Dungeness Light Station Association, 2009-present
- *Member*, Rushsylvania Community Christmas Cantata, 2009, 2010
- *Season Ticket Holder*, Columbus Clippers, 2009-present
- *Donor*, Pat R. and Melena S. Whittington Undergraduate Teacher Education Scholarship, The Ohio State University, est. 2000; first awarded, 2010
- *Member*, Rebounders Club, The Ohio State University, 2012-present
- *Volunteer*, Muirfield Memorial Golf Tournament, 2012-present
- *Camper*, Urban Meyer Football Clinic for Women, The Ohio State University, 2012
- *Season Ticket Holder*, OSU Women's Basketball, 2013-present
- *ALS Support Group*, Knightsbridge ALS of Columbus, 2013-present
- *Volunteer*, St. Augustine Food Pantry, Columbus, OH, 2014-2015

CURRENT PROFESSIONAL AND ACADEMIC MEMBERSHIPS

- *Life Member*, American Association for Agricultural Education (AAAE)
- *Life Member*, The National FFA Alumni Organization (FFA)
- *Life Member*, National Association for Agricultural Education (NAAE)
- *Life Member*, North American Colleges and Teachers of Agriculture (NACTA)
- *Honorary Member*, Alpha Sigma Upsilon, The Ohio State University
- *Honorary Life Member*, Bucket and Dipper Junior Class Honorary, The Ohio State University (103rd Class)
- Academy of Career and Technical Teacher Educators (The Academy)
- American Educational Research Association (AERA)
 - Career and Technical Education Special Interest Group
 - Division K: Teaching and Teacher Education
- Association for Career and Technical Educational Research (ACTER)
- Gamma Sigma Delta Honor Society of Agriculture
- Omicron Tau Theta (OTT) Honorary Graduate Society in Career-Technical Education
- Ohio Staters, Inc.

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