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Curriculum Vita

Education

- Ph.D. 2005 University of Missouri-Columbia - Agricultural Education
Concentration: Teacher Education
Minor: College Teaching
Dissertation – An Assessment of the Cognitive Behavior Exhibited by Secondary Agriculture Teachers
- M.S. 2003 Oklahoma State University - Agricultural Education
Thesis – Oklahoma Consumers’ Knowledge and Perceptions of Ethanol-Blended Gasoline
- B.S. 1997 University of Nebraska-Lincoln - Agricultural Education

Teaching & Professional Experience

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| Kansas State University, Communications and Agricultural Education
Associate Professor | 2016 – Present |
| Texas Tech University, Agricultural Education and Communications
Associate Professor | 2008 – 2016 |
| University of Missouri-Columbia, Agricultural Education
Professional Development Specialist | 2005 – 2008 |
| University of Missouri-Columbia, Agricultural Education
Graduate Assistant | 2003 – 2005 |
| Oklahoma State University, Graduate Assistant | 2001 – 2003 |
| Medicine Valley High School, Agri-Science Teacher & FFA Advisor
Comprehensive High School, Single Teacher Department
Curtis, Nebraska | 1997 – 2001 |

Research Interests

STEM Integration in Agriculture
Teacher Development
Teacher Discourse and Behavior
Program Evaluation

Research Related Awards

Author of the Year – The Journal of Agricultural Education Editing Managing Board, Volume 48, 2007, For the Article Entitled: *A comparison of the cognitive behaviors exhibited by secondary agriculture and science teachers.*

Excellence in Research Award – Oklahoma State University: Master's Education Division (2003)

Professional and Service Honors

Texas Tech University, College of Agricultural Science and Natural Resources Outstanding Professor: Spring 2016

AAAE Western Region Research Conference (2015)

Research Paper of Distinction

Distinguished Research Poster

Distinguished Research Poster

AAAE Western Region Research Conference, Distinguished Innovative Idea Poster Presentation (2014)

Texas Tech University, College of Agricultural Science and Natural Resources Outstanding Professor: Fall 2012

Texas Tech University, Mortar Board & Omicron Delta Kappa Faculty Recognition Award 2012

Outstanding International Agricultural Education Award, American Association of Agricultural Education – Western Region

AAAE Western Region Research Conference (2012)

Research Paper of Distinction

Research Poster Award, 2nd place.

AAAE Western Region Research Conference, Distinguished Manuscript (2011)

AAAE Southern Region Research Conference, Outstanding Research Presentation Award – Faculty Division (2010)

AAAE North Central Region Research Conference, Second Runner-up Outstanding Paper Presentation (2008)

Missouri FFA Association - Honorary State Degree (2007)

Missouri Vocational Agricultural Teachers Association's nominee for the MoACTE Outstanding Career and Technical Educator (2007)

AAAE North Central Region Research Conference, Second Runner-up Outstanding Paper Presentation (2006)

AAAE North Central Region Research Conference, First Honorable Mention Poster (2006)

Nebraska FFA Association - Honorary State Degree (2005)

University of Missouri-Columbia Division of Applied Social Science, Unsung Hero Award (2005)

AAAE North Central Region Research Conference, Second Runner-up Outstanding Paper Presentation (2004)

University of Missouri-Columbia, College of Education, High Flyer Award (Winter 2004, Fall 2004, and Winter 2005)

Nebraska FFA Association - Honorary State Degree (2003)

Membership in Professional and Honorary Organizations

Vocational Agricultural Teachers Association of Texas (2008 - present)

American Association for Agricultural Education – Lifetime Member (2003 - present)

Journal of Agricultural Education Editorial Board (2010 - 2014)

Professional Development Committee (2008 - 2015)

Teacher Education Special Interest Group (2008 - present)
Chair (2009 - 2010)

Teacher Professional Development Special Interest Group (2005 - 2008)
Chair (2006 - 2008)

Missouri Vocational Agriculture Teachers Association (2005 - 2008)

Gamma Sigma Delta, Honorary Society (2004)

National Association of Agricultural Educators (1997 - 2008)

Association of Career and Technical Education (1997 - 2008)

Grants and Contracts

Meeting the Challenges of Climate Variability and Change: Discovery through a Regional Undergraduate Research Program in the South Plains. *United States Department of Agriculture*. Total Requested - \$299,351, - Not Funded.

Development and Implementation of a Multidisciplinary, Distance Delivered Master's Degree Program in International Agricultural Development. *United States Department of Agriculture*. Total Requested - \$149,678, - Not Funded.

Conference for Developing a Regional Agricultural Undergraduate Research Consortium. *United States Department of Agriculture*. Total Requested - \$29,716, – Funded.

Identification and Dissemination in Conceptualizing and Sustaining Quality Distributed Education Programs in Agricultural and Food Sciences (three year). *United States Department of Agriculture*. Total Requested \$749,671 – Not Funded.

- CASNR Research Enhancement Program – NSF Planning Meeting. *Texas Tech University's College of Agricultural Science and Natural Resources*. Total Requested \$4,200 – Funded.
- CASNR Research Enhancement Program – USDA Planning Meeting and Washington D.C. Agency Visit. *Texas Tech University's College of Agricultural Science and Natural Resources*. Total Requested \$5,000 – Funded.
- Does Consumer Post-Purchasing Behavior Influence Beef Quality and Consistency? (one year) *National Cattlemen's Beef Association*. Total Requested \$12,000 – Not Funded.
- REU Site: FARM – Foundations of Agricultural Research using Mathematics (three year). *National Science Foundation*. Total Requested \$346,487 – Not Funded.
- The West Texas Rural Hispanic Agricultural & Extension Education Scholars Program. *United States Department of Agriculture (five year)*. Total Requested \$585,650 – Not Funded.
- IRES: Biodiversity and Natural Resource Conversation, Climate, Change, and Economic Sustainability: Preparing the Next-Generation of Globally Engaged Agricultural Scientists (three year). *National Science Foundation*. Total Requested - \$249,990 – Not Funded.
- Meeting the Challenges of Climate Change: Enhancing Faculty Capacity to Facilitate Undergraduate Research in Agricultural Sciences and Natural Resources (three year). *United States Department of Agriculture*. Total Requested \$149,923 – Not Funded.
- Impacting STEM instruction in agricultural education through the integration of sustainable energy in higher education instruction (two year). *United States Department of Agriculture*. Total Requested \$299,973 – Not Funded.
- Food Security through an Integrated Systems Approach for Sustainable Plant and Animal Agriculture (five year). *United States Department of Agriculture*. Total Requested = \$4,328,040 – Not Funded.
- Evaluation of the National FFA Agriscience Fair (one year). *National FFA Association*. Total Requested = \$1500.00 – Funded.
- Improving the Microbial Safety of Outdoor Antimicrobial Free (ABF) Swine, Poultry and Beef Cattle Industry Through Research and Extension (two year). *United States Department of Agriculture*. Total Requested = \$224,529 - Not Funded.
- Collaborative Strategies: Influencing Students' Career Inclination, STEM Efficacy, and Achievement with a Contextually Bound STEM Course Sequence (three year). *National Science Foundation*. Total Requested = \$599,046 - Not Funded.
- Comprehensive systems-based approaches to reduce STEC-associated illnesses: A risk-informed, integrated farm-to-fork initiative (five year). *United States Department of Agriculture*. Total requested = 25,000,000 - Not Funded.

CASNR Research Enhancement Program - NSF Grant Writing Workshop. *Texas Tech University's College of Agricultural Science and Natural Resources*. Total Requested \$2,000 – Funded.

Great Plains Wind Power Test Facility DE-FG-06G086092. *United States Department of Energy*. Total Awarded \$1,560,000.00, Dr. Ulmer's Credit \$80,000.00

Fresh, Fit & Sustainable-nutrition and Physical Fitness in University Freshmen Using Innovative Technology and Tailored Messaging (three year). *United States Department of Agriculture* (January 1, 2010 – December 31, 2012). Total requested = 1,494,904 – Not Funded.

Beginning Farmer and Rancher Development Program (three year). *USDA-CSREES*. Total requested = \$714,790 – Not Funded.

CASNR Research Enhancement Program – Participating in CSREES Grantsmanship Workshop. *Texas Tech University's College of Agricultural Science and Natural Resources*. Total Requested \$2,000 – Funded.

Texas Wind Power Institute (one year). *Texas Workforce Commission*. Total requested – \$1,000,000, Dr. Ulmer's Credit \$100,000.00

In-service and Professional Development for Agriculture Instructor, *Missouri Department of Elementary and Secondary Education*. (2006 – 2008). Total requested = \$228,048 – Funded.

Leadership Continuum Project, *National FFA Organization*. (August 2005 – January 2006) Ulmer, J. D., Anderson, J., Torres, R. M., & Ulmer, A. M. An evaluation of leadership training opportunities offered by the National FFA Organization. Total requested = \$5,000 – Funded.

Refereed Journal Publications

Shelburn, I., Lawver, D. E., Frazee, S., Ulmer, J. D., Stephenson, C., & Magogo, J. (In Press). Adoptive behaviors of farmers after training and their subsequent diffusive behaviors in Uasin Gishu County, Kenya. *Journal of International Agricultural and Extension Education*.

Kanyi, M., Lawver, D. E., Ritz, R. R., Ulmer, J. D., & Murimi, M., (In Press). Attitude and adoption of rainwater harvesting: Influence of gender awareness and social status. *Journal of International Agricultural and Extension Education*.

Stewart, J., Lambert, M.D., Ulmer, J.D., Witt, P.A., & Carraway, C.L. (In Press). Discovering quality in teacher education: Perceptions concerning what makes an effective cooperating teacher. *Journal of Agricultural Education*.

Quiggins, A., Ulmer, J. D., Hainline, M. S., Burris, S., Ritz, R., & Van Dusen, R. (2016). Motivations and barriers of undergraduate nontraditional students in the college of

agricultural sciences and natural resources at Texas Tech University. *NACTA Journal*, 60(3), 272-281.

- Hainline, M. S., Ulmer, J. D., Ritz, R. R., Burris, S., & Gibson, C. (2015). Career and family balance of Texas agricultural science teachers by gender. *Journal of Agricultural Education*. 56(4), 31-46. doi: 10.5032/jae2015.04031
- Witt, P.A., Ulmer, J. D., Burris, S., Brashears, T., & Burley, H. (2014). A comparison of Student engaged time in agricultural education. *Journal of Agricultural Education*, 55(2), 16-32. doi: 10.5032/jae.2014.02016
- Ulmer, J. D., Velez, J., Lambert, M., Thompson, G., Burris, S., & Witt, P. A. (2013). Exploring science teaching efficacy of CASE curriculum teachers: A post-then-pre assessment. *Journal of Agricultural Education*. 54(4), 121-133. doi: 10.5032/jae.2013.04121
- Witt, C., Doerfert, D., Ulmer, J. D., & Burris, S. (2013). An investigation of school connectedness among agricultural education students. *Journal of Agricultural Education*. 54(2), 186-204. doi: 10.5032/jae.2013.02186
- Bading, C., Boyd, B.L., Lawver, D., Ulmer, J. D., & Boleman, C. (2012). Youth voice, Developing future leaders. *Journal of Youth Development*. 7(4), 37-49.
- Lambert, M. D., Smith, A. R., & Ulmer, J. D. (2010). Factors influencing relational satisfaction within an agricultural education mentoring program. *Journal of Agricultural Education*, 51(1), 65-75. doi: 10.5032/jae.2010.01065
- Torres, R. M., Ulmer, J. D., & Aschenbrener, M. (2008). Workload distribution among agriculture education teachers. *Journal of Agricultural Education*, 49(2), 75-87.
- Ulmer, J. D. & Torres, R. M. (2007). A comparison of the cognitive behaviors exhibited by secondary agriculture and science teachers. *Journal of Agricultural Education*, 48(4), 106-116.
- Torres, R. M. & Ulmer, J. D. (2007). An investigation of time distribution of pre-service teachers while interning. *Journal of Agricultural Education*, 48(2), 1-12.
- Ulmer, J. D., Huhnke, R., Bellmer, D., & Cartmell, D. D. (2004). Acceptance of ethanol-blended gasoline in Oklahoma. *Biomass and Bioenergy*, 27, 437-444.

Refereed Research Conference Papers

- Carraway, C, Ulmer, J. D., Burris, S., & Irlbeck, E. (2016). Exploring science teachers' perceptions of the Curriculum for Agricultural Science Education. *Annual Association for Agricultural Education Conference, Kansas City, MO*. 223-267. (also presented at 2015 Western region).

- Carraway, C, Ulmer, J. D., Burris, S., Irlbeck, E., & Price, M. (2015). A case study of preservice teachers receiving curriculum for agricultural science education training in a semester course. *Annual Western Region of American Association for Agricultural Education Conference, Corvallis, OR.* 84-98.
- Davidson, K. L., Burris, S., Ulmer, J. D., & Frazee, S. (2015). Stakeholders' perspectives of the essential skills of beginning agricultural science teachers: A Delphi approach. *Annual Western Region of American Association for Agricultural Education Conference, Corvallis, OR.* 175-192.
- Hainline, M. S., Ulmer, J. D., Burris, S., & Ritz, R. R. (2015). Barriers affecting the balance of Texas agricultural educators' home and work life, by gender. *Annual Association for Agricultural Education Conference, San Antonio, TX.* 285-296.
- Hainline, M., Ulmer, J. D., Ritz, R. R. & Burris, S. (2015). Career and Family Balance of Texas Agricultural Science Teachers, by Gender. *Annual Southern Region of American Association for Agricultural Education Conference, Atlanta, GA.*
- Gilbert, A. Ulmer, J. D., Burris, S., & Ritz, R. R. (2014). Identifying the Characteristics, Use, Perceptions, and Barriers of the School Farm. *Annual Association for Agricultural Education Conference, Park City, UT.* 486-499.
- Gilbert, A. Ulmer, J. D., Burris, S., & Ritz, R. R. (2013). Identifying the Characteristics, Use, Perceptions, and Barriers of the School Farm. *Proceedings of the 32nd Annual Western Region of American Association for Agricultural Education Conference, Lubbock TX.* 180-193
- Shelburne, I., Lawver, D., Ulmer, J. D., Frazee, S., & Stephenson, C. (2013). Kenyan farmers' participation in farm and church groups, and diffusions of agricultural innovations. *Journal of International Agricultural and Extension Education, Conference Ab.* 20(2). 178-180
- Ulmer, J. D., Velez, J. J., Witt, P. A., Thompson, G. W., Lambert, M. D., & Burris, S. (2012). The CASE curriculum and science teaching efficacy: A one year follow-up study. *Annual Association for Agricultural Education Conference, Asheville, NC.* 1-15.
- Vaught, L., Meyers, C., Irlbeck, E., & Ulmer, J. D. (2012). The Client's Perspective: A Qualitative Exploration of Service-Learning in Agricultural Communications. *Annual Association for Agricultural Education Conference, Asheville, NC.* 378-392.
- Vaught, L., Meyers, C., Irlbeck, E., & Ulmer, J. D. (2012). Service-Learning in Agricultural Communications: Measuring Client Satisfaction. *Annual Association for Agricultural Education Conference, Asheville, NC.* 394-408.
- Witt, P. A., Lambert, M. D., & Ulmer, J. D. (2012). A delphi exploration of effective cooperating teacher characteristics. *Annual Association for Agricultural Education Conference, Asheville, NC.* 493-506.

- Ulmer, J. D.,* Velez, J. J., Witt, P. A., Thompson, G. W., Lambert, M. D., & Burris, S., (2012). CASE institute and science teaching efficacy. *Annual Western Region of American Association for Agricultural Education Conference, Billingham, WA.*
- Frederick, C., Meyers, C., Doerfert, D., & Ulmer, J. D., (2011). The attitudes and opinions of agricultural producers toward sustainable agriculture on the High Plains of Texas. *American Water Resources Association, Annual Water Resources Conference, Albuquerque, NM. Invited Manuscript*
- McCulloch, A., Burris, S., & Ulmer, J. D.* (2011). Do we have the right recipe? A study of current teachers' perceptions of needed ingredients for adequate teacher preparation. *Annual American Association for Agricultural Education Conference, Coeur d'Alene, ID.*
- Frederick, C., Meyers, C., Doerfert, D., & Ulmer, J. D., (2011). The attitudes and opinions of agricultural producers toward sustainable agriculture on the High Plains of Texas. *Annual Western Region of American Association for Agricultural Education Conference, Fresno, CA.*
- Witt, C., Ulmer, J. D., & Kitchel, T. (2011). The impact of inquiry-based learning on the academic achievement of middle school mathematics students. *Annual American Educational Research Association Conference, Constructivist Theory, Research, and Practice Special Interest Group. New Orleans, LA.*
- Hall, K., Doerfert, D., Meyers, C., Ulmer, J. D., & Wilkinson, J. (2011). An examination of trust-related behaviors important to agricultural stakeholders. *Annual Southern Region of American Association for Agricultural Education Conference, Corpus Christi, TX. 389-402.*
- Campbell, L., Brashears, M. T., Ulmer, J. D., & Lawver, D. (2010). Evaluation of participants' knowledge scores in an international HACCP workshop. *Annual Association of International Agricultural and Extension Education, Saskatoon, Canada.*
- Russell, M., Brashears, M. T., Ulmer, J. D., & Barela, H. (2010). Feasibility of using the modified matrix as a method for developing workshop content. *Annual American Association for Agricultural Education Conference, Omaha, NE.*
- Witt, C. & Ulmer, J. D. (2010). The impact of inquiry-based learning on the academic achievement of middle school students. *Annual Western Region of American Association for Agricultural Education Conference, Great Falls, MT.*
- Woolley, L., Brashears, M. T., Ulmer, J. D., & Lawver, D. (2010). Evaluation of participants' knowledge scores in an international HACCP workshop. *Annual Conference of the Association for International Agricultural and Extension Education, Saskatoon, Saskatchewan.*
- McCulloch, A., Burris, S. H., Doerfert, D. L., & Ulmer, J. D. (2010). What works? A needs preassessment for food safety training. *Annual Western Region of American Association for Agricultural Education Conference, Great Falls, MT. 174-187.*

- Russell, M., Brashears, M. T., & Ulmer, J. D. (2010). Feasibility of using the modified matrix analysis as a method for developing workshop content. *Proceedings of the Annual American Association for Agricultural Education Conference, Orlando, FL.*
- Lawver, R. G., Ulmer, J. D., & Wall, A. B. (2009). Teacher induction programs: Determining priorities of first-year teachers and their mentor teachers. *Proceedings of the Annual American Association for Agricultural Education Conference, Louisville, KY.*
- Ulmer, J. D., Lawver, R. G., & Wall, A. B. (2009). The priorities of first-year teachers and their mentors. *Proceedings of the Annual American Association for Agricultural Education Western Region Conference, Stateline, NV.*
- Ulmer, J. D., Lambert, M. D., & Smith, A. R. (2008). Does mind matter? Mind styles and satisfaction among mentor/protégé pairs in Missouri. *Proceedings of the 6th Annual American Association for Agricultural Education North-Central Region Research Conference, Ithaca, NY, 229-239.*
- Ulmer, J. D.,* Torres, R. M., & Aschenbrener, M. S. (2007). A deeper investigation of time spent during student teaching. *Proceedings of the 5th Annual American Association for Agricultural Education North-Central Region Research Conference, Columbia, MO, 32-41.*
- Ulmer, J. D., Anderson, J. C., Torres, R. M., & Ulmer, A. M. (2007). Agriculture students' leadership development: A national needs assessment. *Proceedings of the 33rd Annual Research Session of the American Association for Agricultural Education National Conference, Minneapolis, MN, 361-371.*
- Anderson, J. C., Torres, R. M., & Ulmer, J. D.* (2007). An assessment of the leadership development needs of urban agriculture students. *Proceedings the 33rd Annual Research Session of the American Association for Agricultural Education National Conference, Minneapolis, MN, 332-346.*
- Ulmer, J. D.,* & Torres, R. M. (2007). A classroom assessment of agriculture teachers' cognitive behaviors. *Proceedings of the 33rd Annual Research Session of the American Association for Agricultural Education National Conference, Minneapolis, MN, 123-137.*
- Torres, R. M., Ulmer, J. D., & Aschenbrener, M. (2007). Distribution of time usage among agriculture education teachers: A comparison of workloads. *Proceedings of the 33rd Annual Research Session of the American Association for Agricultural Education National Conference, Minneapolis, MN, 571-584.*
- Ulmer, J. D.,* & Torres, R. M. (2006). Cognitive behaviors exhibited by secondary agriculture teachers. *Proceedings of the 4th Annual American Association for Agricultural Education North-Central Region Research Conference, Ames, IA, 16-29.*
- Ulmer J. D., Anderson, J. C., Torres, R. M., & Ulmer, A. M. (2006). National youth leadership assessment of agriculture students. *Proceedings of the 4th Annual American Association*

for Agricultural Education North-Central Region Research Conference, Ames, IA, 212-222.

Torres, R. M., Ulmer, J. D., & Aschenbrener, M. S. (2006). Where does time go? A comparison among agriculture teachers. *Proceedings of the 4th Annual American Association for Agricultural Education North-Central Region Research Conference, Ames, IA, 31-43.*

Ulmer, J. D.* & Torres, R. M. (2005). A comparison of the cognitive behaviors exhibited by secondary agriculture and science teachers. *Proceedings of the 3rd Annual American Association for Agricultural Education North-Central Region Research Conference, Columbus, OH, 192-206.*

Torres, R. M. & Ulmer, J. D.* (2005). How do pre-service teachers distribute their time while student teaching? *Proceedings of the 32nd Annual National Agricultural Education Research Conference, San Antonio, TX, 535-546.*

Torres, R. M. & Ulmer, J. D.* (2004). Distribution of time in selected areas while student teaching in agricultural education. *Proceedings of the 2nd Annual American Association for Agricultural Education North-Central Region Research Conference, Lafayette, IN, 215-226.*

Ulmer, J. D.,* Kitchel, T., & Terry, R (2004). The importance of FFA content knowledge for agriculture teachers entering the field. *Proceedings of the 2nd Annual American Association for Agricultural Education North-Central Region Research Conference, Lafayette, IN, 36-49.*

Ulmer, J. D., Cartmell, D., Huhnke, R., & Bellmer, D. (2003). Oklahoma consumer's knowledge and perceptions of ethanol-blended gasoline. *Proceedings of the National Agricultural Education Research Conference, Orlando, FL, 471-483.*

Ulmer, J. D.,* Huhnke, R., & Bellmer, D. (2003). Acceptance of ethanol-blended gasoline in Oklahoma. *Proceedings of the American Society for Agricultural Engineers Research Conference, Las Vegas, NV.*

* Personally presented article

Poster Presentations & Abstracts

Bates, A., Murphrey, T, P., Ulmer, J. D., & Burris, S. (In Review). *Elements of an effective home visit: Building a better agricultural science program one visit at a time.* Annual Western Region of American Association for Agricultural Education Conference, Corvallis, OR.

Stewart, J., Burris, S., Lambert, M. D., & Ulmer, J. D. (In Review). *Teacher efficacy and the perceived importance of record keeping skills in agricultural education programs.* Annual Western Region of American Association for Agricultural Education Conference, Corvallis, OR.

- Bates, A., Murphrey, T. P., Ulmer, J. D., & Burris, S. (In Review). *A case study of the home visit: The power of personal connection*. Annual Western Region of American Association for Agricultural Education Conference, Corvallis, OR.
- Stewart, J., Lambert, M. D., Ulmer, J. D., Witt, P. A., & Carraway, C. (2015, June). *The cooperating teacher component: Exploring effectiveness*. Annual Conference of the North American Colleges & Teachers of Agriculture. Atlanta, GA.
- Quiggins, A., Ulmer, J. D., Burris, S., Ritz, R.R., & Van Dusen, R. (2014, August). *Motivations and barriers of Non-Traditional Undergraduate Students*. Poster session presented at the 2014 Big XII Teaching and Learning Conference. Stillwater, OK.
- Shelburne, I., Lawver, D., Ulmer, J. D., Frazee, S., & Stephenson, C. (2013). Kenyan farmers' participation in farm and church groups, and diffusions of agricultural innovations. *Journal of International Agricultural and Extension Education*. 20(2). 178-180
- Klein, C.H., Lawver, D., Ulmer, J.D., Meyers, C., & Laverie, D. (2013). Qualitative research methodology in program assessment: A longitudinal case study. *29th Annual Association for International Agricultural and Extension Education*. Fort Worth, TX.
- Hall, K., & Ulmer, J.D. (2012, April). *Using peer review experiences to improve critical thinking in writing*. Poster session presented at the 31st Annual Western Region American Association for Agricultural Education Research Conference. Bellingham, WA.
- Witt, P., Ulmer, J. D., Lambert, M. D., Thompson, G., & Velez, J. (2011, April). *Science teaching efficacy: the impact of the CASE Institute*. Poster session presented at the 30th Annual Western Region American Association for Agricultural Education Research Conference. Fresno, CA.
- Barela, H, Ulmer, J. D., & Brashears, M. T., (2011, April). *University students and development of a produce safety survey*. Poster session presented at the 30th Annual American Association for Agricultural Education Western Region Conference. Fresno, CA.
- Anderson, J. C., Ulmer, J. D., & Torres, R. M., (2006, September). *A comparison of youth leadership needs by agriculture students and their teachers*. Poster session presented at the 4th Annual American Association for Agricultural Education North-Central Region Conference. Ames, IA.
- Ulmer, J. D. & Cartmell, D. D. (2003, April). *Renewable energy interaction*. Poster session presented at the 22nd Annual American Association for Agricultural Education Western Region Conference. Troutdale, OR.

Popular Publications

- Ulmer, J. D. & Witt, P. (2011). Integrating science instruction into pre-service teacher education. *The Agricultural Education Magazine*.

Jones, D. W. W., Ricketts, K. G., Ulmer, J. D., & Williams, K. B. (2008). Applying the principles of teaching and learning. *Techniques: Connection Education and Careers*. Research Report http://www.acteonline.org/uploadedFiles/Publications_and_Online_Media/files/files-techniques-2008/Research-Report-May-2008.pdf

Ulmer, J. D. & Cramer, M. M. (2005). Why are those kids in groups? *The Agricultural Education Magazine*, 77(6), 14-16.

Other Publications

Ulmer, J. D. (Ed.). (2006). Missouri Agricultural Education Bulletin. *Missouri Vocational Agriculture Teachers Association*. Vols: 55 & 56.

Evaluation Projects

External Evaluator (2017-2019). Developing a Generation of Agricultural Change Agents in the Battles for Food Security through Capacity Building. Texas Tech University. United States Department of Agriculture – Non-Land Grant Capacity Building.

External Evaluator (2017 – 2018). Bridging the Mandate Gap: Equipping Agricultural Educators to Support All Students in Exploring FANH Careers. Oklahoma State University. United States Department of Agriculture - Secondary Education, Two-Year Postsecondary Education, and Agriculture in the K-12 Classroom Challenge Grants Program.

External Evaluator (2017 – 2018). Agriculture and Food Literacy Initiative Grant. United States Department of Agriculture – Non-Land Grant Capacity Building.

External Evaluator (2014-2016). Food Security through linking resources to enhance undergraduate education: Strategic partnerships among five Regional State Universities in Missouri. *Missouri State University*. United States Department of Agriculture – Non-Land Grant Capacity Building.

Program Evaluator, (2010). International Center for Food Industry Excellence Annual Grant Conference. Las Vegas, NV.

External Evaluator. (2005-2008). Missouri Pathways Partnership, *Missouri State University*. United States Department of Agriculture – Cooperative State Research, Education, and Extension Service Grant.

Curriculum Development

Landreth, M., Hendon, T., & Ulmer, J.D. (2015), Natural Resources Conservation, *USDA-Natural Resources Conservation Service*.

Ulmer, J., D. (2014). The Basics of Corn. *Texas Corn Producers*.

Ulmer, J. D., & Burris, S. H. (2004). Competency development for leadership, career, and personal development in Agriscience I and Agriscience II – LifeKnowledge Crosswalk. *Missouri Department of Elementary and Secondary Education*.

Ulmer, J. D., Huhnke, R., Parr, B., & Bellmer, D. (2004) *Alternative energy: An interactive educational CD. Oklahoma Cooperative Extension Service.*

Competency Test Question Developer, Plant and Soil Sciences Test (2003). *Oklahoma Department of Career and Technology Education.*

Invited Presentations

An Introduction to the CASE Model – New Mexico Agricultural Education Teachers Association.

Teaching the Science in Agriculture: CASE – Vocational Agricultural Teachers Association Area 3 Mid-Winter Conference.

Active Learning in STEM, a Panel Discussion. The 9th Annual Advancing Teaching and Learning Conference

College of Business Ambassador Training – Communication Development and Teamwork Building. University of Missouri-Columbia, College of Business.

Teaching and Technology Series – PowerPoint or Powerpointless?: A look into asynchronous education using PowerPoint. University of Missouri-Columbia Faculty Development.

Success center academic advisor training – Building bridges: Agricultural education overview. College of Agriculture Food and Natural Resources, University of Missouri-Columbia.

Overview of CAFNR – The Jessie Hall/CAFNR bridge. Presented to University Admission Representatives. College of Agriculture Food and Natural Resources. University of Missouri-Columbia.

Freshman orientation and leadership training. Navy Reserve Officer Training Corps. University of Missouri-Columbia.

Instructional methods of teaching agricultural mechanics. Presented to the 1st and 2nd year teacher induction program, University of Missouri-Columbia.

Professional Development

- The new MediaSite – Sonic Foundry (2015)
- Student Success Collaborative – EAB (2015)
- Advancing Teaching and Research Through Social Media – AAAE (2014)
- Multicultural Core Training (2013)
- Blackboard World – Las Vegas, NV (2013)
- Green Zone Training: A military accepting classroom (2011)
- Teaching Learning and Technology Center Teaching Conference (2010).
- Tenure Academy (2010).
- Study Abroad Faculty Colloquium Series (2009-2011, 2014).
- Seventh Annual John M. Burns Conference on the Scholarship of Teaching and Learning (October 2009).

- Sixth Annual John M. Burns Conference on the Scholarship of Teaching and Learning (2008)
- Digital Technology Institute: Digital Images for Teaching and Learning (2007).
- Digital Technology Institute: Digital Collaboration (2007).
- How People Learn: Teaching Development by Dr. R. Kirby Barrick (2007).
- OMEGA Conference: Powerful Professional Growth (2006 – 2007).
- Teaching with Diversity by Dr. Alvin Larke, Jr. (2004).

Leadership and Service Activities

- STEM-CORE Director (September 1, 2015)
- National FFA Board of Directors (2015 – present)
- National CASE Executive Board (2015 – present)
 - Chairmen (2015)
- National CASE Advisory Committee (2014 – present)
- STEM-CORE Associate Director (2013-2015)
- TEACH Program Final Review Interview Committee (2011, 2015)
- Agri-Techsans Selection Interview Committee (2011)
- Spring Wind Energy Field Day (2011)
- TEACH Fellow Mentor (2010-2011)
- Departmental MediaSite Coordinator (2010 – present)
- Distance Education Classroom Designer (2010)
- New Faculty Strategic Planning Retreat (2010)
- Fall Wind Energy Field Day (2010)
- Summer Wind Energy Field Day (2010)
- Curriculum for Agricultural Science Education Institute Coordinator (2009 – present)
- CASNR Summer Faculty Retreat Planning Committee (2009)
- University Multicultural Core Curriculum Committee (member since 2009)
- National FFA Awards and Recognition Advisory Committee (2009 - present)
- AAAE Research Conference Session Discussant, Louisville, KY, (2009)
- Texas Tech University College of Agricultural Science and Natural Resources Curriculum Committee (2008 - present)
- Collegiate FFA Co-Advisor (since 2008)
- Vocational Agriculture Teachers Association of Texas (member since 2008)
 - Wind Energy Curriculum Teacher Workshop (2011)
 - New Teacher Development Program Committee (since 2010)
 - Wind Energy Teacher Workshop (2010)
 - Summer Conference Planning Committee (2009)
 - Advisor to the Texas State Scholarship Committee (since 2008)
- Texas FFA Association
 - Advisor to the Texas Career Development Event Revision Committee (2011 – 2014)
 - Assist with Career Development Events (Area & State, 2009 – present)
 - Agriscience Fair Judge (2008 & 2009)
 - Area II Junior Skills Judge (2008 & 2009)
- Member, Missouri Association of Career and Technical Education Executive Committee, Program Improvement Committee (2007 – 2008)

- Member, Missouri Association of Career and Technical Education Executive Committee (2005 - 2008)
- Member, National FFA Essential Learning Validation Meeting (2005)
- University of Missouri-Columbia, Department of Agricultural Education recruitment display development and design (2004)
- Session Facilitator,
 - National Agricultural Education Research Conference, San Antonio, TX (2005)
 - National Agricultural Education Research Conference, St. Louis, MO (2004)
- Career Development Event Liaison, Missouri State FFA Convention (2004)
- Student teacher supervision
 - University of Missouri-Columbia (2004 - 2006)
 - Oklahoma State University (2003)
- Co-Advisor, Agricultural Education Society/Alpha Tau Alpha, University of Missouri-Columbia (2004 - 2008)
- President, Agricultural Education Graduate Student Association, University of Missouri-Columbia (2003 - 2004)
- Coordinator, Nebraska State FFA Junior High Quiz Bowl Competition (2003 & 2004)
- Vice President, Agricultural Education Graduate Student Association, Oklahoma State University (2002 - 2003)
- Co-Advisor, Collegiate FFA, Oklahoma State University (2001 - 2003)
- District 11 Chairman, Nebraska Agricultural Education Association (1999 - 2001)
- NAEA State Board of Directors (1999 - 2001)
- Member, Program Improvement Committee for National Standards for Teacher Education in Agriculture (1999)
- Curtis Volunteer Fireman (1999 - 2001)
- Curtis Education Association (1997 - 2001)
 - President (2000 - 2001)
- University of Nebraska-Lincoln, Agricultural Education Club (1994 - 1997)
 - President (1995 - 1996)
- National FFA Organization, American FFA Degree (1994)
- Boy Scouts of America, Eagle Scout (1991)