

Jonathan D. Ulmer

Kansas State University
Department of Communications and Agricultural Education
Office Phone: (785) 532-1250, E-mail: julmer@ksu.edu

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 | |
| Professor | 2020 – Present |
| Associate Professor | 2016 – 2020 |
| Texas Tech University, Agricultural Education and Communications | |
| Associate Professor | 2014 – 2016 |
| Assistant Professor | 2008 – 2014 |
| 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 | 1997 – 2001 |
| Comprehensive High School, Single Teacher Department
Curtis, Nebraska | |

Research Interests

- Technology Adoption in Developing Countries
- STEM Integration in Agriculture
- Teacher Development
- Program Evaluation

Last Updated October 19, 2023

Teaching and Research Related Awards

Commerce Bank and W.T. Kemper Foundation Outstanding Undergraduate Teaching Award.
Kansas State University 2023.

Distinguished Agricultural Teacher Educator, North Central Region of the American Association for Agricultural Education (2021)

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

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

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

Distinguished Research Paper, 40th Annual National Agricultural Mechanics Professional Development Blue Ribbon Research Conference (2021).

AAAE North Central Region Research Conference, Research Poster of Distinction (2019)

National FFA Association – Honorary American Degree (2018)

AAAE North Central Region Research Conference, Research Paper of Distinction and Outstanding Paper Presentation (2017)

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)

Outstanding International Agricultural Education Award, American Association of Agricultural Education – Western Region (2012)

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)
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

American Evaluation Association (2018 – present)
Association Education Research Association (2017 – 2018)
Kansas Association of Agricultural Education (2016 – present)
Kansas Association of Career and Technical Education (2016 – present)
Vocational Agriculture Teachers Association of Texas (2008 – 2016)
National Association of Agricultural Education (1997 – 2008, 2016 – present)
Association of Career and Technical Education (1997 – 2008, 2016 – present)
American Association for Agricultural Education – Lifetime Member (2003 – present)
 Member Service Committee (2016 – present)
 Regional Chair (2021-2020)
 Chair (2018 – 2019)
Journal of Agricultural Education Editorial Board (2010 – 2014)
Professional Development Committee (2008 – 2015)
Teacher Education Special Interest Group (2008 – 2017)
 Chair (2009 – 2010)

Teacher Professional Development Special Interest Group (2005 – 2008)
Chair (2006 - 2008)
Missouri Vocational Agriculture Teachers Association (2005-2008)
Missouri Association of Career and Technical Education (2005-2008)
Executive Committee (2005-2008),
Program Improvement Committee (2007 – 2008)

Research Activities and Collaboration

Multistate Research Project S1071: A framework for secondary schools agriscience education programs that emphasizes the STEM content in agriculture.

Grants and Contracts

Funded

CORN-E: Connecting our Resources to Novice Educators (2023). *Kansas Corn Commission*. Total Requested \$19,530. Ulmer Part 33%

Visiting Professional and PreService Teaching Experience in CASE (2022). *Corteva Agriscience (TM), Agriculture Division of DowDuPont (TM)*. Total Requested \$7,500 – Funded. Ulmer Part 33%

MAIZE: Making Ag Intriguing for Generation Z (2022). *Kansas Corn Commission*. Total Requested \$16,310 – Funded. Ulmer Part 33%

Visiting Professional and PreService Teaching Experience in CASE (2021). *Corteva Agriscience (TM), Agriculture Division of DowDuPont (TM)*. Total Requested \$7,448 – Funded. Ulmer Part 33%

Preparing Pre-Service Teachers for Effective Corn-Content Integration (2021). *Kansas Corn Commission*. Total Requested \$11,400 – Funded. Ulmer Part 33%

Visiting Professional and PreService Teaching Experience in CASE (2020). *Corteva Agriscience (TM), Agriculture Division of DowDuPont (TM)*. Total Requested \$3,000 – Funded. Ulmer Part 33%

Enhancing Pre-Service Instruction with Corn: Ag Ed EPIC Experience – Year 3 (2019). *Kansas Corn Commission*. Total Requested \$18,805– Funded. Ulmer Part 33%

Visiting Professional and PreService Teaching Experience in CASE (2019). *Corteva Agriscience (TM), Agriculture Division of DowDuPont (TM)*. Total Requested \$5,000 – Funded. Ulmer Part 33%

Feed the Future Innovation Lab for the Reduction of Post-Harvest Loss – Phase 2 (2018). *United States Agency for International Development*. Total Requested \$1,250,000 – Funded. Ulmer Part 20%

Visiting Professional and PreService Teaching Experience in CASE (2018). *Corteva Agriscience (TM), Agriculture Division of DowDuPont (TM)*. Total Requested \$5,000 – Funded. Ulmer Part 33%

Enhancing Pre-Service Instruction with Corn: Ag Ed EPIC Experience – Year 2 (2018). *Kansas*

- Corn Commission*. Total Requested \$13,814 – Funded. Ulmer Part 33%
- Innovative Career and Technical Education Professional Development Model (2017). *Kansas Board of Regents*. Total Requested \$183,000 – Funded. Ulmer Part 25%
- Enhancing Pre-Service Instruction with Corn: Ag Ed EPIC Experience – Year 1 (2017). *Kansas Corn Commission*. Total Requested \$12,825 – Funded. Ulmer Part 33%
- EDSEC 620 Principles and Philosophies of Career and Technical Education (2016). *Kansas State University Global Campus Program Development Funding*. Total Requested \$6,037 – Funded. Ulmer Part 33%
- Feed the Future Innovation Lab for the Reduction of Post-Harvest Loss – Phase 1 (2016). *United States Agency for International Development*. Total Requested \$6,216,751 – Funded. Ulmer Part 2%
- Conference for Developing a Regional Agricultural Undergraduate Research Consortium (2014). *United States Department of Agriculture*. Total Requested - \$29,716, – Funded. Ulmer Part 20%
- Lincoln Electric Company Welding Education Grant (2013). *Lincoln Electric Company*. Total funded \$27,832
- CASNR Research Enhancement Program – NSF Planning Meeting (2012). *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 (2012). *Texas Tech University's College of Agricultural Science and Natural Resources*. Total Requested \$5,000 – Funded.
- Evaluation of the National FFA Agriscience Fair (2011). *National FFA Association*. Total Requested \$1500.00 – Funded.
- CASNR Research Enhancement Program - NSF Grant Writing Workshop (2010). *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 (2010). *United States Department of Energy*. Total Awarded \$1,560,000.00 – Funded.
- CASNR Research Enhancement Program – Participating in CSREES Grantsmanship Workshop (2009). *Texas Tech University's College of Agricultural Science and Natural Resources*. Total Requested \$2,000 – Funded.
- Texas Wind Power Institute. *Texas Workforce Commission* (2008). Total requested – \$1,000,000, - Funded
- In-service and Professional Development for Agriculture Instructor, *Missouri Department of Elementary and Secondary Education*. (2006). Total requested = \$228,048 – Funded.
- Leadership Continuum Project (2005). *National FFA Organization*. An evaluation of leadership training opportunities offered by the National FFA Organization. Total requested \$5,000 – Funded.

Not Funded

- Agricultural Social Sciences Undergraduate Research Scholars (ASSURS) Program. *United States Department of Agriculture – Research Education and Economics (HEC)*. Total Requested \$749,037.
- Focusing on the Future: Supporting Multicultural Agricultural Educators in Kansas. *United States Department of Agriculture – Research Education and Economics (MSP)*. Total Requested \$250,000
- NEXTGEN Multicultural: Food and Agricultural Career-Pathway Exploration (FACE). *United States Department of Agriculture – Research Education and Economics*. Total Requested, KSU \$738,060 – Not Funded.
- Great Greens: Sustainable Production of Leafy Greens for Health and Food Safety (2022). *United States Department of Agriculture – Sustainable Agricultural; Coordinated Agricultural Project*. Total Requested \$499,994 – Not Funded
- Education of veterinary students and veterinary consultants on antimicrobial resistance associated with medically-relevant antimicrobial use in beef cattle production systems. – Co Primary Investigator. *Food and Drug Administration*. Total Requested. \$1,304,556 – Not Funded.
- Focusing On the Future: Supporting Multicultural Agricultural Educators in Kansas. – Co Primary Investigator. *United States Department of Agriculture*. Total Requested \$250,00 – Not Funded.
- Interdisciplinary Graduate Training in Urban Food Systems – Primary Investigator. *National Science Foundation*. Total Requested. \$499,782 – Not Funded
- Constructing Agriscience Learning and Mindfulness (Project CALM): Cross-Disciplinary Curriculum to Bolster Educational Success – KSU Lead Investigator. *United States Department of Agriculture*. Total Requested \$295,111 – Not Funded.
- The Curriculum for Agricultural Education (CASE) Immersive and Extended Distance Learning – Lead Investigator. *United States Department of Agriculture*. Total Requested \$2,878,753 – Not Funded.
- STEM Service-Learning Initiative – Other Key Participant. *National Science Foundation*. Total Requested \$299,551 – Not Funded.
- Systems and Sustainability Institute for Teacher Education Faculty in Agriculture Food and Natural Resources (2019). *United States Department of Agriculture, External Program Evaluation for Michigan State University*. Total Requested \$96,985 – Not Funded
- Building a STEM Learning Ecosystem: Mobilizing STEM for Community Outreach (2018). *National Science Foundation*. Total Requested \$2,960,580 – Not Funded
- Great Greens: Sustainable Production of Leafy Greens for Health and Food Safety (2018). *United States Department of Agriculture – Sustainable Agricultural; Coordinated Agricultural Project*. Total Requested \$474,609 – Not Funded
- Connecting STEM and Agriculture Teachers to Improve 21st Century Skills of Secondary Graduates (2018). *United States Department of Agriculture – Education and Workforce Development: Professional Development for Secondary Schools Teachers and Educational Professionals*.

Total Requested \$149,910 – Not Funded

Meeting the Challenges of Climate Variability and Change: Discovery through a Regional Undergraduate Research Program in the South Plains (2015). *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 (2015). *United States Department of Agriculture*. Total Requested - \$149,678, - Not Funded

Does Consumer Post-Purchasing Behavior Influence Beef Quality and Consistency? (2014) *National Cattlemen's Beef Association*. Total Requested \$12,000 – Not Funded.

Identification and Dissemination in Conceptualizing and Sustaining Quality Distributed Education Programs in Agricultural and Food Sciences (2013). *United States Department of Agriculture*. Total Requested \$749,671 – Not Funded

Collaborative Research: Impact of a Contextually Bound STEM Course Sequence on Students' Career Inclination, STEM Efficacy, and Achievement (2013). *National Science Foundation*. Total Requested - \$240,669 – Not Funded

Identification and Dissemination of Best Practices in Conceptualizing and Sustaining High Quality Distributed Education Programs in Colleges of Agriculture and Food Science (2013). *United States Department of Agriculture*. Total Requested - \$749,671 – Not Funded

Decreasing Wind Erosion and Improving Water Usage through the Use of a Winter Cover Crop (2013). *United States Department of Agriculture*. Total Requested - \$999,978 – Not Funded

Cost-Effective Career Pathways for Non-Land Grant Food and Agricultural Baccalaureate Graduates (2013). *United States Department of Agriculture*. Total Requested - \$279,080 – Not Funded

Integrated Systems Research Priorities to Ensure Food Security Contributions from the Western U.S.: A Strategic Planning Conference (2013). *United States Department of Agriculture*. Total Requested - \$50,000 – Not Funded

REU Site: FARM – Foundations of Agricultural Research using Mathematics (2012). *National Science Foundation*. Total Requested \$346,487 – Not Funded.

The West Texas Rural Hispanic Agricultural & Extension Education Scholars Program (2012). *United States Department of Agriculture*. 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 (2012). *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 (2012). *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 (2012). *United States*

- Department of Agriculture*. Total Requested \$299,973 – Not Funded.
- Food Security through an Integrated Systems Approach for Sustainable Plant and Animal Agriculture (2011). *United States Department of Agriculture*. Total Requested \$4,328,040 – Not Funded.
- Improving the Microbial Safety of Outdoor Antimicrobial Free (ABF) Swine, Poultry and Beef Cattle Industry Through Research and Extension (2011). *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 (2010). *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 (2009). *United States Department of Agriculture*. Total requested \$25,000,000 - Not Funded.
- Fresh, Fit & Sustainable-nutrition and Physical Fitness in University Freshmen Using Innovative Technology and Tailored Messaging (2009). *United States Department of Agriculture*. Total requested = 1,494,904 – Not Funded.
- Beginning Farmer and Rancher Development Program (2009). *United States Department of Agriculture*. Total requested = \$714,790 – Not Funded.

Refereed Journal Publications

- Hughes, J. E., Ulmer, J. D., Hock, G. A., Disberger, B., & Clark, S. (Under Review). Positive youth development in rural, low socioeconomic high schools: A two state case study. *Journal of Agricultural Education*.
- Hughes, J. E., Ulmer, J., Clark, S., Disberger, B. & Hock, G. (Under Review). Mental Health Services and Supports Provided in Rural, Low Socioeconomic High Schools: A Two-State Collective Case Study. *The Rural Educator*.
- Taku-Forchu, N., Qu, S., Lambert, M. D., Retallick, M. S., Ulmer, J. D., & Opit, G. P. (In press). Maize farmers' use, preference and trustworthiness of information sources and communication channels in Dormaa, Ghana: A gender comparison. *Journal of Applied Communications*.
- Taku-Forchu, N., Lambert, M. D., Retallick, M. S., Ulmer, J. D., & Opit, G. P. (In Press). Drivers of farmers' adoption of hermetic storage bags in Ghana. *Journal of International Agricultural and Extension Education*.
- Hughes, J. E., Ulmer, J. D., Clark, J., Disberger, B., Hock, G., & Ellis, J. (2023). In Their Own Words: Student Mental Health in Rural, Low Socioeconomic High Schools. *The Rural Educator*, 44(2), 14-29. <https://doi.org/10.55533/2643-9662.1380>
- Disberger, B., Washburn, S., Hock, G. A., & Ulmer, J. D. (2023). A qualitative analysis of agriculture teacher's attitudinal changes toward the teaching profession in the first three years of teaching. *Journal of Agricultural Education*, 64(1), 61–81.

<https://doi.org/10.5032/jae.v64i1.30>

- Disberger, B., Washburn, S.G., Hock, G., & Ulmer, J. (2022). Induction programs for beginning agriculture teachers: Research-based recommendations on program structure and content. *Journal of Agricultural Education*, 63(1), 132-148. <https://doi.org/10.5032/jae.2022.01132>
- Disberger, B., Washburn, S.G., Hock, G., & Ulmer, J. (2022). Accomplishments and challenges experienced by beginning agriculture teachers in their first three years: A collective case study. *Journal of Agricultural Education*, 63(1), 115-131. <https://doi.org/10.5032/jae.2022.01115>
- Hainline, M., Burris, S., Ritz, R., & Ulmer, J. (2021). Assessment of educational law in-service needs and perceived competencies of Texas school-based agricultural education teachers. *Journal of Agricultural Education*, 62(1), 291-311. <http://doi.org/10.5032/jae.2021.01291>
- Hainline, M. S., Burris, S., Ulmer, J.D., & Ritz, R. R. (2019). School district superintendents' and attorneys' perceptions of the most important education law issues impacting agricultural science teachers. *Journal of Agricultural Education*. 60(2). 190-209. DOI: 10.5032/jae.02190.
- Hendon, T., Hainline, M. S., Burris, S., Ulmer, J.D., & Ritz, R. R., (2019). Perceptions of high school cooperating agricultural teachers on the performance of student teachers. *Journal of Agricultural Education*, 60(1). 41-58. DOI: 10.5032/jae.2019.01041
- Shelburn, I., Lawver, D. E., Frazee, S., Ulmer, J. D., Stephenson, C., & Magogo, J. (2017). Adoptive behaviors of farmers after training and their subsequent diffusive behaviors in Uasin Gishu County, Kenya. *Journal of International Agricultural and Extension Education*, 24(1). DOI: 10.5191/jiaee.2016.24108.
- Kanyi, M., Lawver, D. E., Ritz, R. R., Ulmer, J. D., & Murimi, M., (2017). Attitude and adoption of rainwater harvesting: Influence of gender awareness and social status. *Journal of International Agricultural and Extension Education*, 24(1). DOI: 10.5191/jiaee.2016.24109.
- Stewart, J., Lambert, M.D., Ulmer, J.D., Witt, P.A., & Carraway, C.L. (2017). Discovering quality in teacher education: Perceptions concerning what makes an effective cooperating teacher. *Journal of Agricultural Education*, 58(1). DOI: 10.5032/jae.2017.01280.
- 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
- 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
- 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. DOI: 10.5195/jyd.2012.116
- 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.2010.01064
- Torres, R. M., Ulmer, J. D., & Aschenbrener, M. (2008). Workload distribution among agriculture education teachers. *Journal of Agricultural Education*, 49(2), 75-87. DOI: 10.5032/jae.2008.02075
- 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. DOI: 10.5032/jae.2007.04106
- 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. DOI: 10.5032/jae2007.02001
- Ulmer, J. D., Huhnke, R., Bellmer, D., & Cartmell, D. D. (2004). Acceptance of ethanol-blended gasoline in Oklahoma. *Biomass and Bioenergy*, 27, 437-444. DOI: 10.13031/2013.14122

Refereed Research Conference Papers

- Disberger, B., Washburn, S., Hock, G., & Ulmer, J. (2022). Work-life harmony experiences of early career agriculture teachers in Kansas". Refereed paper presented at the North Central American Association for Agricultural Education Conference, Columbia, MO.

- Herbel, A., Hock, G., Disberger, B., & Goodson, L., (2022). *An Investigation of Successful Teaching Methods for Middle School Agricultural Education in Kansas*. Refereed paper presented at the North Central American Association for Agricultural Education Conference, Columbia, MO.
- Rutledge, J., Hock, G., Ulmer, J., & Ellis, J. (2022). *Metal Fabrication Equipment Adequacy and Competence to Teach of Kansas Agricultural Educators*. Poster presented at the North Central AAAE Conference, Columbia, MO.
- Disberger, B., Washburn, S., Hock, G., & Ulmer, J. (2022). SAE Experiences of Novice Agriculture Teachers: A Longitudinal Qualitative Collective Case Study. Refereed paper presented at the American Association for Agricultural Education Conference, Oklahoma City, OK.
- Baylie, E., Ulmer, J. D., Disberger, B., Hock, G. A., & Shoulders, C. (2022). Why Do Nontraditional Teachers Enter the Agricultural Education Profession? *American Education Research Association, Virtual Presentation. San Diego California*. DOI: 10.3102/IP.22.1885270.
- Disberger, B., Washburn, S., Hock, G. A. & Ulmer, J. D. (2021). Mentoring Needs of Novice Agriculture Teachers: A Longitudinal Qualitative Collective Case Study. *Annual Association for Agricultural Education Conference, Virtual. 153-167*.
- Ulmer, J.D., Kean, J., Lucas, S. & Salopek, E. (2021) A comparison of Traditional Welding Instruction and hybrid instruction utilizing the Lincoln Electric VRTEX 360® System. *National Agricultural Mechanics Professional Development Blue Ribbon Paper Session. On-Line. Pg 5-11. <http://nampdc.agedweb.org/wp-content/uploads/2022/02/2021-Blue-Ribbon-Proceedings.pdf>*
- Hughes, J. E., Disberger, B., Hock, G. A. & Ulmer, J. D. (2020). What fifteen years of new teacher data reveals about agriculture teacher turnover in Kansas. *Annual North Central Region of American Association for Agricultural Education Conference. 126-132*.
- Disberger, B., Washburn, S., Hock, G. A. & Ulmer, J. D. (2020). Mentoring needs of novice agriculture teachers: A longitudinal qualitative collective case study. *Annual North Central Region of American Association for Agricultural Education Conference. 133-140*
- Bowen, C., Ulmer, J. D., Hock, G. A. & Ellis, J. D. (2020). Influence of commodity supported CASE training on agricultural education teachers. *Annual North Central Region of American Association for Agricultural Education Conference. 228-235*
- Smedley, T. & Ulmer, J. D. (2019). Agricultural education teachers' knowledge and perceptions of service learning. *Annual North Central Region of American Association for Agricultural Education Conference, East Lansing, MI. 114-121*
- Miller, L., Hock, G., Ulmer, J. D. & Ellis, J. (2019). Kansas ag teachers' perceptions of diversity & inclusion in Agricultural Education. *Annual North Central Region of*

American Association for Agricultural Education Conference, East Lansing, MI. 71-78

- Williamson, A., Hock, G., Ulmer, J. D. & Goodson, L. (2019). Teacher perceptions of the impact and challenges of middle school agricultural education experiences in Kansas. *Annual North Central Region of American Association for Agricultural Education Conference, East Lansing, MI. 88-94*
- Ulmer, J. D., Lambert, M. D., Bhadriraju, S., Washburn, S., & Tadesse, T. (2019). Needs of Ethiopian Wheat Farmers. *Annual Conference of the Association of International Agricultural and Extension Education, Port of Spain, Trinidad and Tobago*
- Carraway, C., Hainline, M. S., Ulmer, J. D., & Simons, S. (2018). An examination of the science knowledge of post-secondary students enrolled in a course focusing on science integration in agricultural education. *Annual Western Region of American Association for Agricultural Education Conference, Boise, ID. 70-78.*
- Hainline, M. S., Burris, S., Ritz, R. R., & Ulmer, J. D., (2017). School district superintendents' and attorneys' perceptions of the most important educational law issues impacting the professional security of agricultural science teachers. *Annual North Central Region of American Association for Agricultural Education Conference, Ames, IA. 43-49*
- Daggs, A., Ulmer, J. D., Irlbeck, E., & Doerfert, D., (2017). Is Today's Social Technology Impacting Written Communications? A Single Case Examination of an Introduction to Agricultural Education Writing Assignment. *Annual North Central Region of American Association for Agricultural Education Conference, Ames, IA.*
- 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.*
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- 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.*
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- 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.*
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- 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.*

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- 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.
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- 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.
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* Personally presented article

Poster Presentations & Abstracts

- Rutledge, J., Hock, G., Ulmer, J., & Ellis, J. (2022). *Metal Fabrication Equipment Adequacy and Competence to Teach of Kansas Agricultural Educators*. North Central AAEE Conference, Columbia, MO.
- Crabtree, C. J., Ulmer, J. D., Hock, G., Rozell, T. G., & Burris, S. (2022). Relationship between MSLQ and final grades in distance animal anatomy and physiology laboratory. Annual North American Colleges and Teachers of Agriculture Conference, Wooster, OH.
- Ulmer, J. D., & Tweeten, J. (2022). The impact of differing survey methodologies on response rate. Annual American Association for Agricultural Education Conference, Oklahoma City, OK.
- Hildebrand, K., Ulmer, J. D., Disberger, B., & Hock, G. (2022). Incorporating biotechnology into a high school curriculum. Annual American Association for Agricultural Education Conference, Oklahoma City, OK.

- Utash, S, Ulmer, J. D., & Scales, J. (2022) Virtual Welding and its Impact on Hands-on Learning Achievements. *National Coalition of Certification Centers: Learning that Works, American Association of Community Colleges Conference*, New York, NY
- Taku-Forchu, N., Lambert, M. D., Retallick, M. S., Ulmer, J.D. & Opit, G. P. (2022). The rate of adoption and factors influencing farmers' adoption of hermetic storage technology in Dormaa, Ghana. *Association for International Agricultural and Extension Education*, Thessaloniki, Greece.
- Taku-Forchu, N., Lambert, M. D., Retallick, M. S., Ulmer, J.D., Qu, S. & Opit, G. P. (2022). Maize farmers' preference and trustworthiness in the sources and channels to receive agricultural information in Dormaa, Ghana: A gender perspective. *Association for International Agricultural and Extension Education*, Thessaloniki, Greece.
- Smedley, T. & Ulmer, J.D. (2020). *Is it service-learning or community service? Teachers' knowledge and implementation*. Annual American Association for Agricultural Education Conference.
- Williamson, A., Hock, G., Ulmer, J. D., & Goodson, L. (2020). *Teacher perceptions of the impact and challenges of middle school agricultural education experiences in Kansas*. Annual American Association for Agricultural Education Conference.
- Miller, L., Hock, G., Ulmer, J. D. & Ellis, J. (2020). *Kansas Ag Teachers' perceptions of diversity and inclusion in agricultural education*. Annual American Association for Agricultural Education Conference.
- Hughes, J. E., Disberger, B., Ulmer, J. D. & Hock, G. (2020). *The integration of SAE for all philosophy throughout the preservice agricultural education experience*. Annual American Association for Agricultural Education Conference.
- Lambert, M. D. & Ulmer, J.D. (2020). *Creating an instrument to measure technology adoption in Africa*. Annual Conference of the Association of International Agricultural and Extension Education, St. Petersburg, FL. (Canceled Conference)
- Gallagher, D., Ulmer, J. D., Hock, G. & Ellis, J. (2019). *Examining secondary talented and gifted and agricultural education experiences relative to college major and career choice*. Annual North Central Region of American Association for Agricultural Education Conference, East Lansing, MI.
- Worley, L., Ulmer, J. D., Burke, K. & Hock, G. (2019). *A districtwide look at agricultural educators' perceptions of standards-based grading*. Annual North Central Region of American Association for Agricultural Education Conference, East Lansing, MI.
- Ulmer, J. D., Disberger, B., Hock, G., Yahnke, S. (2018). *A Borich model evaluation of the professional development needs of alternatively certified CTE teachers*. Annual Conference of the Association for Career and Technical Education Research & Professional Development Conference, San Antonio, TX.

- Hock, G., Disberger, B., & Ulmer, J. D. (2018). *Lessons Learned from Corn-Focused High Impact Learning Opportunities (HILOs)*. International Conference on Educational Innovation in Agrarian Topics, Lima, Peru.
- Disberger, B., Hock, G., Ulmer, J. D. (2018). *Enhancing the Pre-Service CASE Training Experience with Visiting Professionals*. Annual North Central Region of American Association for Agricultural Education Conference, Fargo, ND.
- Hock, G., Disberger, B., Ulmer, J. D., & McKendree, R.B. (2018). Cultivating Content Knowledge Through a High Impact Learning Opportunity. *North American Colleges and Teachers of Agriculture Journal, 2018 NACTA Abstracts Supplement, 62(1)*. Abstract.
- Ulmer, J. D., Disberger, B., Hock, G., & Yahnke, S. (2018). *Professional Development Needs of Alternatively Certified Career and Technical Teachers: A Borich Model*. American Education Research Association – New York, NY.
- Hock, G., Disberger, B., Ulmer, J. D., & McKendree, R.B. (2017). *Ah-Maize-Ing Adventure: A Corn Focused HILO for Preservice Teachers*. Annual North Central Region of American Association for Agricultural Education Conference, Ames, IA.
- Bates, A., Murphrey, T. P., Ulmer, J. D., & Burris, S. (2015). *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. (2015). *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. (2015). *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.
- 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

Hock, G., Disberger, B. & **Ulmer, J. D.**, (2017). Utilizing professional development schools to assist in developing the exceptional teacher. *The Agricultural Education Magazine*, 89(5). 18-20.

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.

Book Chapter

Lead Author, - *Evaluate a School-based Agricultural Education Program*

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). *Connecting Research Centers to Secondary Agricultural Education Students in Idaho, Kansas, and Oklahoma*. United States Department of Agriculture – Secondary Education, Two-Year Postsecondary Education, and Agriculture in the K-12 Classroom Challenge Grants Program.

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*. Northwest Missouri State University. 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*. Texas Tech University. 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

Kansas Youth Institute Luncheon Panel (2019)

Kansas Youth Institute Luncheon Keynote (2018)

Kansas State Research and Extension – Programming with at Purpose. *Targeting your Learner (June 2016, August 2017, March 2018, March 2019)*

An Introduction to the CASE Model – New Mexico Agricultural Education Teachers Association (2015).

Teaching the Science in Agriculture: CASE – Vocational Agricultural Teachers Association Area 3 Mid-Winter Conference (2014).

Active Learning in STEM, a Panel Discussion. The 9th Annual Advancing Teaching and Learning Conference (2012)

College of Business Ambassador Training – Communication Development and Teamwork Building. University of Missouri-Columbia, College of Business (2008).

Teaching and Technology Series – PowerPoint or Powerpointless?: A look into asynchronous education using PowerPoint. University of Missouri-Columbia Faculty Development (2007).

Success center academic advisor training – Building bridges: Agricultural education overview. College of Agriculture Food and Natural Resources, University of Missouri-Columbia (2007).

Overview of CAFNR – The Jessie Hall/CAFNR bridge. Presented to University Admission Representatives. College of Agriculture Food and Natural Resources. University of Missouri-Columbia (2007).

Freshman orientation and leadership training. Navy Reserve Officer Training Corps. University of Missouri-Columbia (2006).

Instructional methods of teaching agricultural mechanics. Presented to the 1st and 2nd year teacher induction program, University of Missouri-Columbia (2004).

Professional Development

- Electronic Fuel Injection – Briggs & Stratton Training(2022)
- College of Agriculture Fall Teaching Workshop(2022)
- LEAD21 (2019-2020)
- Unmanned Aerial Systems Tech Forum (2019)

- Governor’s Summit on Agricultural Growth (2017-2019)
- Kansas State Department of Education Recruitment and Retention Summit (2016-2018)
- Mental Health First Aid Training (2018)
- K-State Agricultural Research Scholars (2016-2017)
- New Faculty Institute (2016-2017)
- Texas Tech Leadership Academy (2015-2016)
- 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

National

- USDA NIFA Grant Panelist(2022)
- AAAE Conference research submission manager (2022-2025)
- Planning Committee Member – AAAE Annual Conference (2018 – 2019)
- National CASE Executive Board (2015 – present)
 - Chairmen (2015 – 2019)
- National FFA Board of Directors (2015 – 2019)
 - Selection of New Board Members (2018 & 2019)
 - Governance Committee (2017-2019)
 - Membership Revision Committee Chair (2017)
 - Liaison to National FFA Officer Selection Process (2015-2018)
 - National FFA Officer Selection Process Revision Committee (2016)
 - Stakeholder Revision Committee Chair (2016-2017)
- National CASE Advisory Committee (2014 – present)
- National FFA Awards and Recognition Advisory Committee (2009 - 2012)
- AAAE Research Conference Session Discussant, Louisville, KY, (2009)
- National Poster and Paper Reviewer for AAAE (2005 – present)
- Reviewer for *Journal of Agricultural Education* (2005 – present)

- Session Facilitator,
 - National Agricultural Education Research Conference, San Antonio, TX (2005)
 - National Agricultural Education Research Conference, St. Louis, MO (2004)
- Member, Program Improvement Committee for National Standards for Teacher Education in Agriculture (1999)

Regional

- North Central AAAE Research Program Coordinator and Host, East Lansing, MI (2019)
- Planning Committee Member – North Central Cooperative Extension Association Annual Meeting (2019)
- Regional Poster and Paper Reviewer for AAAE (2005 – present)

State

- Kansas State FFA AgriScience Fair Judge (2021, 2022)
- Kansas FFA Foundation Board of Trustees (2016 – present)
- State Teach Ag Results (STAR) Team member (2016 – present)
- Team Ag Ed (2016 – present)

Local

- Manhattan High School Agricultural Education Advisory Committee (2016 – present)

University

- Preparing Future Faculty Program Development Committee (2022)
- Member of the Leadership Communication Faculty (2016 – present)
 - Faculty Leadership Team (2019-2022)

College

- College of Agriculture Promotion and Tenure Committee (2022-present)
- College of Agriculture Ambassador Interviews (2022)
- College Committee on Planning – College of Agriculture (2020)
- Search Committee Member – College of Agriculture Associate Dean for Academic Programs (2019)
- Search Committee Member – College of Agriculture Coordinator of Recruitment and Retention Events (2018)
- Attend KAWSE Meetings to represent agriculture women concerns and successes
- College of Agriculture Teaching Coordinators (2017 – Present)
- College of Agriculture Course and Curriculum Committee (2017 – present)

Department

- Search Committee Chairman – Agricultural Communications Assistant/Associate Professor (2018)
- Search Committee Member – Communications and Agricultural Education Department Head (2017)
- Communications and Agricultural Education Departmental Teaching Coordinator (2017 – present)
- Co-Advisor for the Agricultural Education Club (2016 – present)
- Curriculum for Agricultural Science Education (CASE) Institute Assistant Coordinator

(2016 – present)

Service to previous institutions

- Texas Tech University STEM-CORE Director (2015 – 2016)
- STEM-CORE Associate Director (2013 – 2016)
- TEACH Program Final Review Interview Committee (2015)
- Curriculum for Agricultural Science Education (CASE) Institute Coordinator (2009 – 2016)
- Collegiate FFA Co-Advisor (2008 – 2016)
- 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 – 2016)
- 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 – 2016)
- CASNR Summer Faculty Retreat Planning Committee (2009)
- University Multicultural Core Curriculum Committee (member since 2009)
- Texas Tech University College of Agricultural Science and Natural Resources
 - Research Committee (2014 – 2016)
 - Curriculum Committee (2008 – 2014)
- Collegiate FFA Co-Advisor (2008 – 2016)
- Vocational Agriculture Teachers Association of Texas
 - 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 (2008 – 2014)
- Texas FFA Association
 - Advisor to the Texas Career Development Event Revision Committee (2011-2014)
 - Assist with Career Development Events (Area & State, 2009 – 2016)
 - Agriscience Fair Judge (2008 & 2009)
 - Area II Junior Skills Judge (2008 & 2009)
- Member, National FFA Essential Learning Validation Meeting (2005)
- University of Missouri-Columbia, Department of Agricultural Education recruitment display development and design (2004)
- Career Development Event Liaison, Missouri State FFA Convention (2004)
- 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)
- Nebraska Agricultural Educators Association, State Board of Directors (1999 - 2001)
- 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)

Statement of Administrative Leadership, Philosophy, and Vision
Dr. Jonathan Ulmer

Over my time as a faculty member, I have served under four department heads. Each person served their program in very different ways; as such, I have learned many things from them. These experiences, combined with my beliefs, have grown my personal philosophy of administrative leadership. My philosophy includes the behaviors of a leader, leading faculty, and directing the department.

The first behavior I will focus on is communication. I have had two department heads who were at opposite ends of the communication spectrum. One would tell everyone everything and the other would keep secrets. A good department head must be in the middle. Secrets must be kept but information for growth, development, and morale must be shared. When faculty or students, are faced with sensitive matters, information should remain confidential. When upper administration confides in a leader the information must be filtered or retained until such time as appropriate. On the other hand, when a department head is working with a faculty member on new programming, the faculty member must be informed of conversations and discoveries. If faculty are not appropriately informed, momentum and drive can be lost. It is essential for a head to share with caution and discernment.

As I look at my experiences, I know it is important for a department head to empower their faculty. It is difficult for some to step aside and allow their faculty to lead and succeed without being directly connected. Many leaders have interfered with work to ensure receiving their own credit. A good department head assists faculty until they are ready to lead and then steps out of the way. The department head should work to highlight the great work of their faculty and as a result, receive accolades for leading instead of doing. A faculty member's success is the success of the department head, but we do not want faculty succeeding despite their department head.

The evolution of a department is dependent on all members of the faculty and staff. A department head must guide the creation of program vision but can be involved in several ways. My experiences have ranged from faculty being fully engaged to having zero input. The inclusion of faculty is crucial to the growth of all involved. In one instance, a department head created opportunities for the department that the faculty did not embrace. Years after the head left, the faculty were still dealing with programs that were left for them and that they had no desire to work with. While a leader's vision is important, they must enter into arrangements with buy-in from those who will conduct the work. As significant program changes are made, all parties must have input. Leaders must also ensure the changes advance the programs while staying true to the foundation and clientele of the department. Working together is how programs and departments grow; success must be sought as a team.

As programs grow, faculty must also. Faculty development is one of many roles of a department head. A department like AECL has strong mentors and faculty that could use mentoring. So much can be learned from each other, but much can be learned from outside the department. As department head, fostering growth among faculty and identifying opportunities outside would be important. As growth occurs, finding avenues to reward faculty is critical. These avenues can be through the promotion and tenure process or through award processes. A leader must assist faculty in growth and reward that growth for the betterment of the department.

Faculty have been hired because they are talented and should be treated as such. Empowering faculty leads to program success. When a department head empowers their faculty, they assist in the leadership process. I have worked in departments where the programs were encouraged to assess conditions, make decisions, and move forward... while keeping the department head informed. In another department, the leadership had strong people in good positions to guide and grow programs but would not give up control. I believe it is essential to put the right people in the right places and work with them for the sake of the programs.

Programs can always grow. When we think of growth, we usually think of numbers, but that isn't the only measure. Each program in AECL could work toward numerical growth, but other factors must be considered. Departments must assess current capacity to determine if quality is sufficient, if classes are still applicable, or if content is still meeting the needs of their respective industries. All of these are discussions that must be had among each program. A new leader for the department must make it one of their priorities to lead discussions for the future of the programs. Additional priorities must include advocating for the department and faculty with administration, connecting to alums and constituents, and continuing to work in the best interest of the students. The education of students at a formidable land-grant institution must be the foundation of all development, growth, and change.

As a land-grant institution, the Department of Agricultural Education, Communication, and Leadership must never forget that their job is to educate the public, discover for the advancement of the Oklahoma population, and inform the public of these findings. A department head must remember this mission as the lead and guide the department.